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SPIRIT LEVELING IN TEXAS

PART 4. NORTH-CENTRAL TEXAS

1896-1938

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CONTENTS

	Page
Introduction.....	241
Scope of report.....	241
Classification of leveling.....	241
Adjustments.....	242
Bench marks.....	242
Preservation and restoration of bench marks.....	245
Datum.....	245
Location of the area.....	245
Index map.....	245
Cooperation.....	246
Personnel.....	248
Descriptions of bench marks.....	248
Supplemental elevations in north-central Texas.....	542
Index.....	551

ILLUSTRATIONS

	Page
PLATE 1. Standard Geological Survey bench marks.....	242
FIGURE 7. Outline map of Texas showing the names and relative position of the seven sections covered by the parts of Bulletin 883 on spirit leveling in the State.....	246
8. Index map of north-central Texas, showing the quadrangles into which this section of the State has been divided and the routes of leveling.....	247

SPIRIT LEVELING IN TEXAS

PART 4. NORTH-CENTRAL TEXAS, 1896-1938

J. G. STAACK, Chief Topographic Engineer

INTRODUCTION

Scope of report.—This bulletin, which for convenience is to be published in seven parts, contains the results of all spirit leveling done by the Geological Survey in Texas, including those heretofore published.¹ Each of the parts deals with one of seven sections into which the State has been divided for this purpose and which have been designated northeastern, southeastern, north-central, south-central, west-central, and western Texas, and the Panhandle. In each part descriptions of the points for which figures of elevation have been determined are listed according to the quadrangles in which the points occur. Results of spirit leveling other than that done by the Geological Survey have not been included.

Classification of leveling.—Spirit leveling is classified according to the degree of refinement in the instruments and methods used and according to the closure errors.

First-order leveling² consists of leveling done with the most improved instruments, all sections being leveled twice, in opposite directions, under varying conditions. Closures are not allowed to exceed the amount in feet represented by the formula

$$0.017\sqrt{\text{length of section in miles.}}$$

All corrections for rod error, temperature, and unbalanced sights are applied, as well as the orthometric corrections for convergence toward the poles of level surfaces of different elevations.

¹ For the results of spirit leveling in Texas previously published see Triangulation and spirit leveling—Southern Texas: U. S. Geol. Survey 18th Ann. Rept., pt. 1, pp. 364-394, 1897; Triangulation and spirit leveling—Southern Texas: U. S. Geol. Survey 19th Ann. Rept., pt. 1, pp. 327-353, 1898; Triangulation and spirit leveling—Southern Texas: U. S. Geol. Survey 20th Ann. Rept., pt. 1, pp. 423-457, 1899; Triangulation, primary traverse, and spirit leveling—Southern Texas: U. S. Geol. Survey 21st Ann. Rept., pt. 1, pp. 483-495, 1900; Spirit leveling in Texas, 1896 to 1910, inclusive: U. S. Geol. Survey Bull. 468, 133 pp., 1911; Spirit leveling in Texas, 1896 to 1915, inclusive: U. S. Geol. Survey Bull. 637, 254 pp., 1916.

² See A vers, H. G., Manual of first-order leveling: U. S. Coast and Geodetic Survey Special Pub. 140, 1929.

Second-order leveling, according to regulations of the Geological Survey, comprises lines leveled twice with reliable instruments, though not necessarily of the most improved type. Closures are not allowed to exceed $0.035\sqrt{\text{length of section in miles}}$.

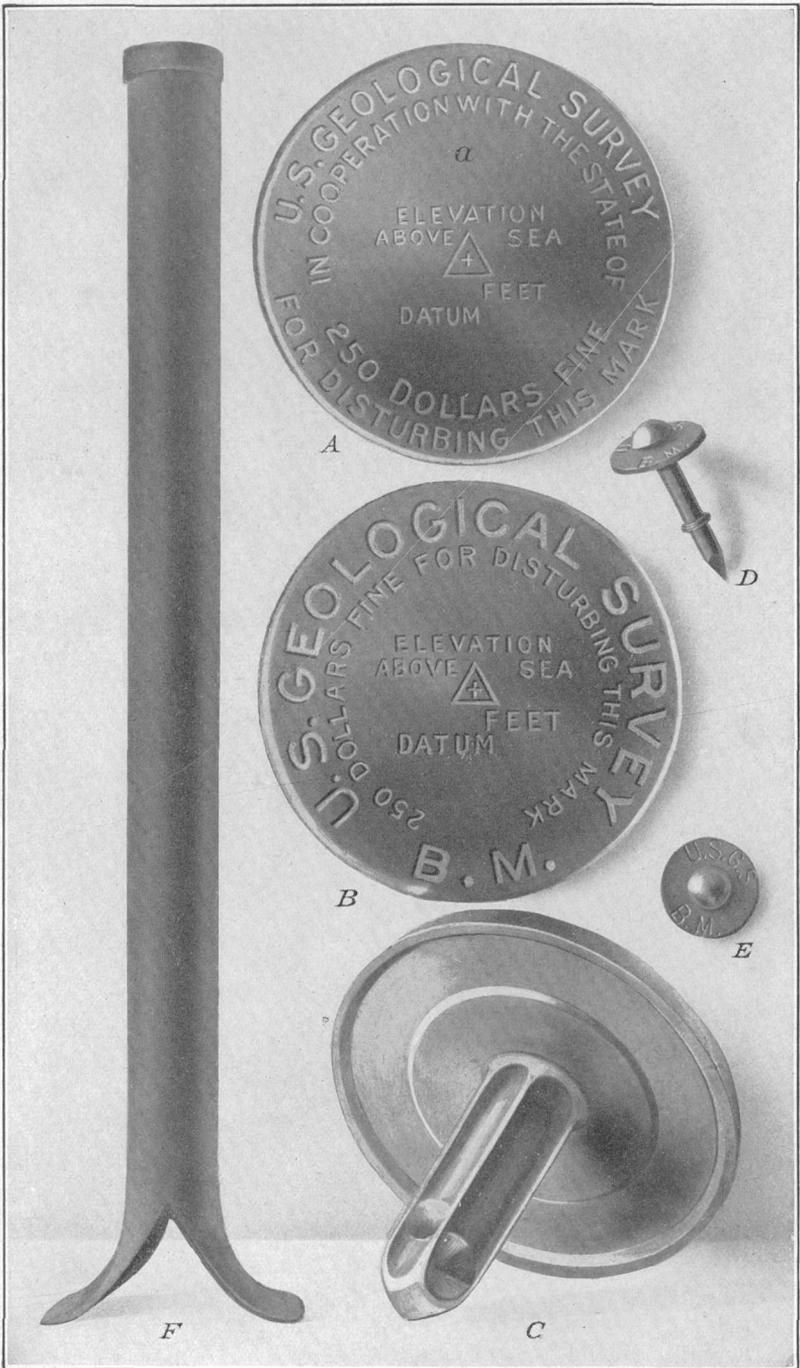
Third-order leveling is made up of lines that are run, either with first-order equipment or with an engineer's wye level and rods of the New York type, in single-line circuits that are required to close within the limits, in feet, of $0.05\sqrt{\text{length of circuit in miles}}$. This is equivalent to $0.071\sqrt{\text{length of section}}$ if the line is leveled twice.

All leveling done by the Geological Survey in Texas is of third-order accuracy except as otherwise stated.

Adjustments.—The adjustment of a net of leveling begins with the first-order lines. Most of these lines in both the United States and Canada have already been combined in a general net, and the orthometric differences derived from the observed values by correction for the convergence of level planes toward the north have been adjusted by least squares to remove accidental closure errors. The latest adjustment of this kind was made in 1929 by the United States Coast and Geodetic Survey and is known as the "1929 general adjustment of first-order leveling." This adjustment included the first-order lines in Texas, and the elevations thus derived are the fundamental references for elevations determined by second- and third-order nets. The third-order leveling of the Geological Survey in Texas has been adjusted by determining weighted mean elevations for new junction points and prorating the errors of each link. The weights are taken as the reciprocals of lengths of links. The third-order net in north-central Texas has thus been brought into agreement with the best information available for the results of the fundamental first-order leveling, on some of which final adjustment has not been made. Therefore, these published figures of elevation are tentative.

Bench marks.—The bench marks used by the Geological Survey (pl. 1) are of two general classes—principal and supplementary. Principal bench marks are placed at more or less regular intervals along a level line, at sites offering them protection from disturbance and affording favorable conditions for their future recovery. They are usually bronze or aluminum tablets, iron posts, or copper bolts. Supplementary or auxiliary bench marks are less formal in design and are placed between the principal bench marks. Some of the supplementary bench marks in common use are marks cut with a chisel on rock or masonry, spikes, and copper nails fitted with washers.

The tablets are circular in shape, measure $3\frac{1}{8}$ inches in diameter, and taper from a thickness of three-eighths of an inch at the center to about a quarter of an inch near the rounded edge. During a short period in the earlier years of the Survey's leveling the tablets set were



STANDARD GEOLOGICAL SURVEY BENCH MARKS.

A and *B*, Standard tablets, principal bench marks, used where masonry or rock is available to hold them. *A* is used in cooperating States; the State name is inserted at *a*. *C*, Under side of *A* and *B*, showing shank used to hold tablet in place. *D* and *E*, Two views of copper nail and copper washer, a supplementary bench mark, used for points lying between those marked by standard tablets. *F*, Standard iron post fitted with bronze cap similar in design to the standard tablet, formerly used where no rock or masonry was available; superseded by concrete post with tablet set in top.

made of aluminum. The softness of this metal, however, made them susceptible to damage, so that aluminum as a material for tablets was soon discarded. The earliest tablets were made of bronze and it is the material now specified for standard tablets. Each tablet is cast with a 3-inch shank extending from the center of its reverse side, by means of which it is cemented in place, and each bears an inscription on its face. The inscriptions on the tablets already placed differ in many details, because of changes in design at various times. The face of every tablet, however, is cast with the words "U. S. Geological Survey," a cross at the center, which indicates the fiducial point for position or elevation, and the words "Elevation above sea." On some tablets the inscription indicates that they were set in connection with a project in which a state or other organization cooperated; on some, the inscription includes a triangle, which signifies a located point, enclosing a small cross at the center. Tablets bearing a triangle enclosing a cross may be used not only as bench marks but also as triangulation- or traverse-station marks. The inscription on most of the tablets already set includes the warning "250 dollars fine for disturbing this mark," but the latest design omits this phrase and adds the sentence "For information write the Director, Washington, D. C."

If the tablet is set to mark a transit-traverse station, the traverseman stamps upon it with steel dies letters indicating this use of it, such as "Prim Trav Sta," "P T S," or "T T," as well as his own identifying letter or letters, the serial number of the station, and the year. If the tablet is set as a bench mark, the levelman stamps it with his identifying letter or letters, the serial number of the bench mark, and the year. He may at the same time stamp upon it the figures of elevation to the nearest foot, or these figures may be added later. A tablet may be used both as a traverse-station mark and as a bench mark. The engineer who establishes the mark stamps it as noted above and records the stamping with the description to facilitate identification. Engineers who use the mark in subsequent surveys do not alter the original stamping nor add their own stampings with the exception of figures of elevation.

The figures of elevation that appear on a tablet are usually those determined by field computation only. It is sometimes found, therefore, that they do not represent the latest information. This has happened either because they refer to some independent datum temporarily adopted before first-order trunk lines made standard datum available, or because a later adjustment made in the office has rendered necessary an appreciable change in the figures as determined in the field. It is assumed that engineers and others who require accurate figures of elevation for the marks will use those printed in the bulletin instead of accepting the stamped figures. If

the appropriate bulletin is not conveniently accessible, a request for the desired information may be addressed to the Director of the Geological Survey, United States Department of the Interior, Washington, D. C.

The tablet, of whatever style, is cemented into a hole drilled in solid rock or in the wall of a public building, bridge abutment, or other masonry structure. Where masonry or rock is not available the tablet is set in the top of a reinforced concrete post, which may be either precast or mixed and molded at the selected site. The posts are about 8 inches square or 8 inches in diameter at the top and larger at the base. They are generally set so as to project about 6 inches above ground and are made sufficiently long to reach below the frost line.

Antedating the concrete posts which are now constructed to hold the tablets, in places where masonry or rock is not available, are wrought-iron posts, to the tops of which are riveted bronze caps similar in design to the tablets. These iron posts measure 4 feet in length and $3\frac{1}{2}$ inches in outer diameter and are set about 3 feet in the ground. The bottom of the post spreads out to a width of about 10 inches in order to give it a firm footing in the earth. No iron posts have been set in recent years. They have proved impracticable, as they are easily disturbed and are eventually destroyed by rust at the ground level.

The third form of principal bench mark, set only in the early leveling, is a copper bolt, designed to be wedged into a drill hole in rock or masonry and perhaps further secured with lead or cement. This bolt measures 4 inches in length and 1 inch in diameter and has a slot at the bottom end into which fits a brass wedge. The wedge serves to expand the lower part of the bolt, so that after the bolt has been driven nearly its full length into the hole, it cannot easily be removed. The exposed end of the bolt bears an appropriate inscription, stamped upon it with steel dies. The inscription is made up of the letters "U S G S," the letters indicating the datum used, the figures of elevation, and the abbreviated word "Ft."

Supplementary bench marks are of many kinds. One kind consists of a copper nail $1\frac{1}{2}$ inches long supplied with a copper washer seven-eighths of an inch in diameter. The nail is driven into the root of a tree or cemented into rock. The designation "U S G S B M" is stamped on each washer, and on some washers the abbreviation of the name of the cooperating State is added. Another kind of supplementary bench mark is a chiseled square, used on the horizontal surface of a rock or masonry structure, or a chiseled cross, used on a vertical surface. Nails, track spikes, and small capped iron pipes also serve as supplementary bench marks, and easily described and

recognized points, such as doorsills and tops of hydrants, are occasionally used.

Preservation and restoration of bench marks.—Any person who finds that a principal bench mark has been damaged, disturbed, or destroyed or that it should be reset or redescribed on account of highway or other improvements will render a public service by communicating the facts to the Director, Geological Survey, United States Department of the Interior, Washington, D. C., before taking any action affecting the location or elevation of the mark. A proper form, accompanied by a return-addressed, franked envelope, will be sent for use in reporting the action taken and in recording the revised description of the mark, if any, and the notes made in obtaining the revised elevation.

Datum.—All elevations determined by the Geological Survey and those determined by the Coast and Geodetic Survey for inland mapping are referred to mean sea level, which is the level that the sea would assume if the influence of winds, tides, and currents were eliminated. This level is not the elevation determined from the mean of the highest and lowest tides, nor is it the half sum of the mean of all the high tides and the mean of all the low tides, which is called the half-tide level. *Mean sea level is the average height of the water, all stages of the tide being considered.* It is determined from observations made by means of tidal gages placed at stations where local conditions, such as those due to long, narrow bays, rivers, and like features, will not affect the height of the water. To obtain even approximately correct results these observations must extend over at least one lunar month, and if accuracy is desired they must extend over several years. At stations on the open coast the half-tide level and the mean sea level usually differ but little. It is assumed that there is no difference between the mean sea levels determined from observations made in the Atlantic Ocean, the Gulf of Mexico, and the Pacific Ocean.³

Location of the area.—North-central Texas, as the term is used in this bulletin and as the subject of part 4 of the bulletin, is that section of the State lying north of latitude 30° and between longitudes 97° and 100°. (See fig. 7.)

Index map.—The accompanying index map of north-central Texas (fig. 8) shows the relative position of the quadrangle areas in which leveling has been done. They are of two sizes—15-minute and 30-minute quadrangles. Each 15-minute quadrangle measures 15 minutes in latitude by 15 minutes in longitude. Each 30-minute

³ See Jones, E. L., *Hypsometry—Use of mean sea level as the datum for elevations*: U. S. Coast and Geodetic Survey Special Pub. 41, 1917; *Manual of tide observations*: U. S. Coast and Geodetic Survey Special Pub. 196, 1935.

quadrangle measures 30 minutes in latitude by 30 minutes in longitude and is equal in area to four 15-minute quadrangles.

Maps of quadrangles in north-central Texas for which surveys have been completed may be purchased at 10 cents each retail or 6 cents wholesale, in lots of 50 or more. Prepayment is required and may be made by money order, payable to the Director of the Geological Survey, or in cash—the exact amount, at sender's risk. Postage stamps should not be sent. These maps are of nearly uniform size

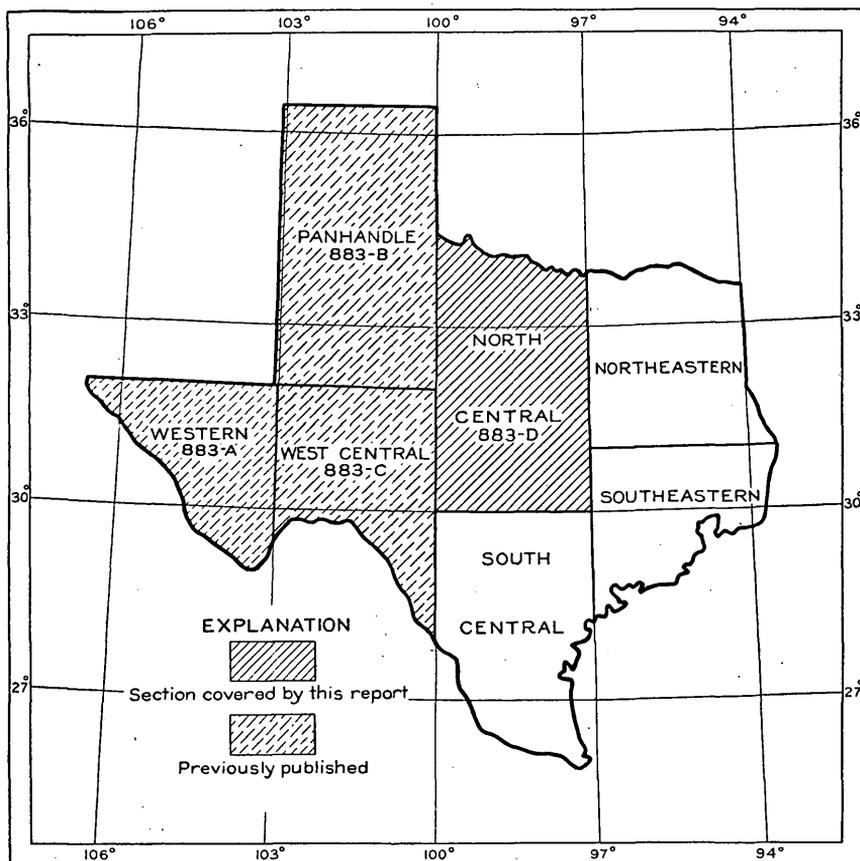


FIGURE 7.—Outline map of Texas showing the names and relative position of the seven sections covered by the parts of Bulletin 883 on spirit leveling in the State.

regardless of the size of the areas they represent, because they are drawn on different scales. For some of the 15-minute quadrangles that appear on the index map there are as yet no corresponding maps, but these areas are included in 30-minute quadrangles, for some of which maps may be purchased.

Cooperation.—The State of Texas, through the University of Texas Mineral Survey in 1902 and 1903 and the State Reclamation Depart-

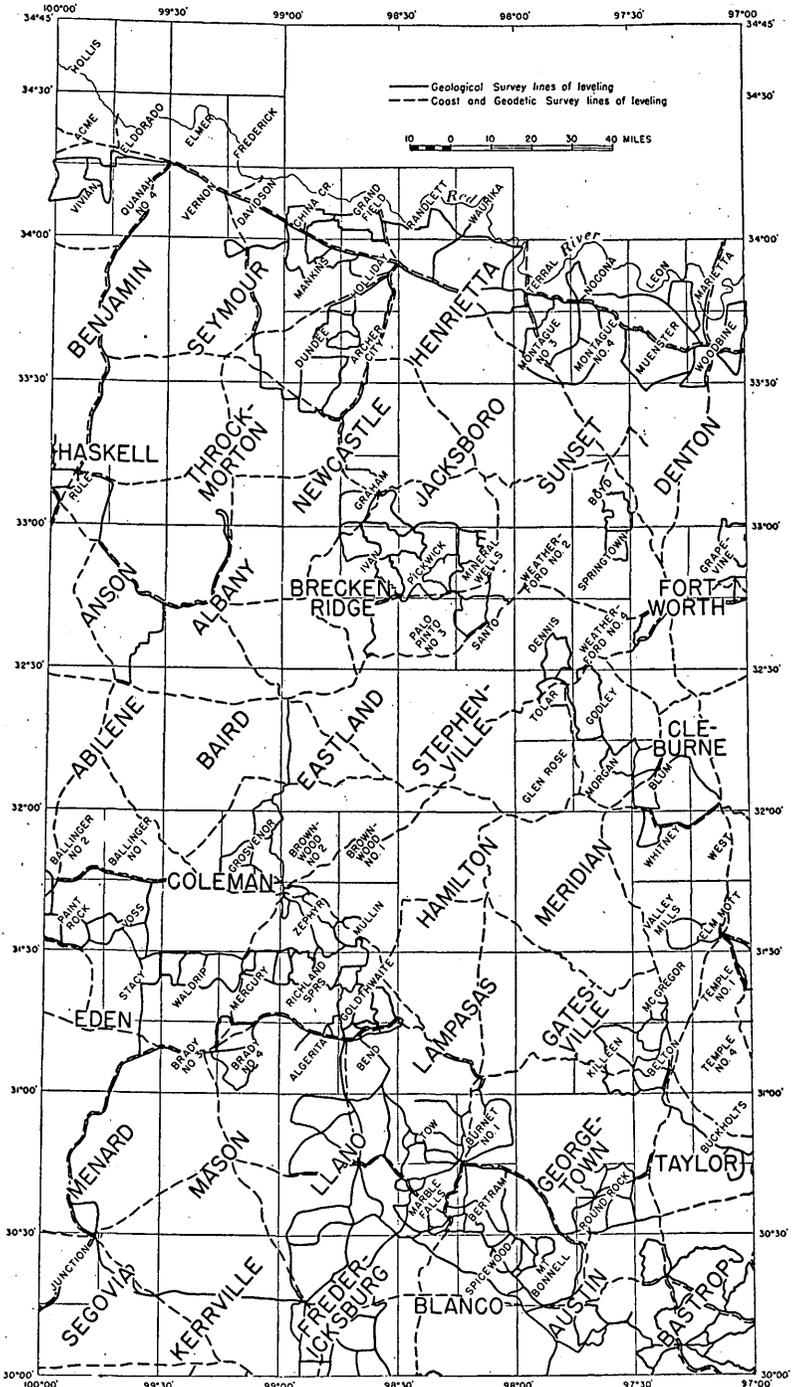


FIGURE 8.—Index map of north-central Texas showing the quadrangles into which this section of the State has been divided and the routes of leveling.

ment in 1909, 1910, and 1923–27, contributed financially to the work of mapping and leveling this section of the State.

Personnel.—The leveling of the Geological Survey in north-central Texas was done under the supervision of the several chief geographers or chief topographic engineers who were in administrative charge of the topographic branch during the years when the lines were run. The name of the levelman who ran a particular line and the date when it was run immediately follow the designation of the route of that line and form part of the heading that precedes the descriptions of bench marks. The adjustment of the third-order level net and the revision, correlation, and compilation of the descriptions and elevations of bench marks, as well as the assembling of the lists, were done by R. G. Clinite, associate geodetic engineer, under the supervision of R. M. Wilson, chief of the section of computing, under the general direction of J. G. Staack, chief topographic engineer.

DESCRIPTIONS OF BENCH MARKS

ABILENE NO. 1 QUADRANGLE

[Latitude 32°15'–32°30'; longitude 99°30'–99°45']

CALLAHAN AND TAYLOR COUNTIES

From Abilene southeast along Texas & Pacific Railway to Elmdale, thence north along road into Anson No. 4 quadrangle at point near Hamby (by C. C. Holder in 1922; leveled twice)

	<i>Feet</i>
U. S. C. & G. S. B. M. designated "Y 12"-----	1, 725. 866
U. S. C. & G. S. copper bolt designated "X 12"-----	1, 712. 572
Abilene, 1.7 mi. SE. of, at E. end of bridge 404.2, on N. side of track; top of bolt-----	1, 733. 53
Abilene, 2.7 mi. SE. of, 2.3 mi. NW. of Elmdale, at W. end of bridge 403.2, on N. side of track, in top of abutment; copper nail and washer-----	1, 719. 01
Elmdale, 2.0 mi. W. of, 350 ft. E. of milepost 403, 45 ft. S. of center line of track, 3 ft. E. of double mesquite tree, 1 ft. N. of right-of-way fence, in concrete post; standard tablet stamped "H 1 1922"-----	1, 718. 871
U. S. C. & G. S. B. M. designated "W 12"-----	1, 782. 792
Elmdale, 0.9 mi. N. of, 70 ft. S. of crossroads, in mesquite tree; rail spike-----	1, 769. 73
Elmdale, 1.9 mi. N. of, 60 ft. NW. of center of junction of T-rd. W., on boulder; chiseled square-----	1, 776. 02
Elmdale, 2.9 mi. N. of, 40 ft. SE. of angle in rd., 6 ft. E. of fence corner, in concrete post; standard tablet stamped "H 2 Texas 1922"-----	1, 755. 013
Reference mark, 50 ft. W. of tablet, on rock set flush with ground; chiseled square-----	1, 754. 39
Elmdale, 3.9 mi. NE. of, 2.4 mi. S. of Hamby, 120 ft. SE. of house, 5 ft. S. of T-fence E., in fence line, on limestone boulder; chiseled square-----	1, 778. 83
Hamby, 1.4 mi. S. of, on E. side of rd., 120 ft. SW. of white house, in fence line, on boulder; chiseled square-----	1, 762. 05

ACME QUADRANGLE

[Latitude 34°15'–34°30'; longitude 99°45'–100°00']

CHILDRESS, COTTLE, AND HARDEMAN COUNTIES

From Eldorado quadrangle near Quanah along roads west 0.4 mile and south about 2.5 miles into Vivian quadrangle near Forestburg School (by R. W. Burchard in 1925)

	<i>Feet</i>
Quanah, 2.8 mi. SW. of, at SW. corner of crossroads, 10 ft. W. of fence corner, on rock projecting 3 in. above ground; top of rock.....	1,583.95
Quanah, 3.8 mi. SW. of, 1.1 mi. N. of Forestburg School, on N. side of gatepost of country rd. E., on E. side of lane at cross fence, in fence corner; top of buried rock.....	1,563.63
From Vivian quadrangle at point 0.8 mile south of Middleburg School along roads north 0.8 mile, thence generally west along road and fence line to point near Cottle-Hardeman county line, thence south and back into Vivian quadrangle (by R. W. Burchard in 1925)	
Middleburg School, 300 ft. S. of, 3.0 mi. W., thence 1.0 mi. N. from Forestburg School, at SW. corner of junction of T-rd. W., 2 ft. W. of mail box, on rock projecting 7 in. above ground; top of rock....	1,614.22
Middleburg School, 3.0 mi. W. of, 26 ft. S. and 32 ft. E. from junction of T-rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 17 Y. 1925".....	1,568.908
Reference mark, 17 ft. S. of tablet, 2.5 ft. inside fence, on rock projecting 3 in. above ground; top of rock.....	1,569.09
Middleburg School, 4.0 mi. W. of, in SW. angle of crossroads, at fence corner, on rock projecting 3 in. above ground; top of rock.....	1,596.57
Middleburg School, 5.0 mi. W. of, 100 ft. N. of main rd., at junction of lane and dim T-rd. N., on E. side of dim rd., 2 ft. E. of fence, at angle, on rock projecting 4 in. above ground; top of rock.....	1,597.35
Middleburg School, 6.0 mi. W. of, 1.5 mi. S. and 5.0 mi. E. from Lazare, 30 ft. NE. of turn from W. to N. in rd., in concrete post; standard tablet stamped "Prim Trav Sta No 18 Y 1925".....	1,596.052
Reference mark, 10 ft. E. of tablet, 1 ft. inside fence, on rock projecting 3 in. above ground; top of rock.....	1,595.77
Lazare, 1.0 mi. S. and 4.0 mi. E. from, on E. side of junction of T-rd. W., in fence corner, on rock projecting 3 in. above ground; top of rock.....	1,620.32
Lazare, 1.0 mi. S. and 3.0 mi. E. from, at turn from S. to W. in rd., in fence corner at NW. corner of bend, 2 ft. inside fence; top of buried rock.....	1,599.96
Lazare, 1.2 mi. S. and 2.2 mi. E. from, on S. side of lane, 104 ft. NW. of NW. corner of white house, at fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 19 Y 1925".....	1,621.050
Reference mark, 10 ft. E. of tablet, on rock projecting 4 in. above ground; top of rock.....	1,621.24
Lazare, 1.2 mi. S. and 1.0 mi. W. from, in three-way fence corner, 20 ft. W. of wire gate in E.-W. fence line, on rock projecting 3 in. above ground; top of rock.....	1,667.81
Fort Griffin, 2.0 mi. SW. of, about 2,000 ft. N. of Mill Creek, about 60 ft. W. of rd., on limestone ledge; chiseled square.....	1,262.77
Fort Griffin, 1.0 mi. S. of, 100 ft. N. of rd. fork, 6 ft. S. of fence corner, on rock post; chiseled square.....	1,274.84

250 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Fort Griffin, 275 ft. W. of store of Jones P. Leadbetter, 60 ft. N. of angle in rd., 75 ft. SW. of house, in limestone ledge; standard tablet stamped "D 4 Texas 1923" (recovered by U. S. C. & G. S. in 1934)	<i>Feet</i> 1, 217. 143
Reference mark, 39 ft. N.75°E. of tablet, on rock ledge; chiseled square-	1, 212. 72
Fort Griffin, 1.3 mi. N. of, 700 ft. N. of white house, on W. side of rd., on limestone ledge; chiseled square	1, 214. 13
Fort Griffin, 1.8 mi. N. of, on E. side of rd., on limestone ledge; chiseled square	1, 230. 92
Fort Griffin, 3.3 mi. N. of, on ranch of J. D. Overton, about 0.7 mi. S. of ranch house, 60 ft. S. of rd., on limestone ledge; chiseled square	1, 224. 29
Fort Griffin, 4.1 mi. NW. of, 30 ft. NE. of N. gate to ranch of J. D. Overton, in rock post; standard tablet stamped "D 5 Texas 1923"	1, 230. 093
Reference mark, 50 ft. E. of tablet, on rock post; chiseled square	1, 229. 22
Fort Griffin, 4.2 mi. NW. of, about 80 ft. W. of small creek, on W. side of rd., on limestone ledge; chiseled square	1, 227. 82

ALBANY NO. 1 QUADRANGLE

[Latitude 32°45'-33°00'; longitude 99°00'-99°15']

SHACKELFORD, STEPHENS, AND THROCKMORTON COUNTIES

From Albany No. 2 quadrangle northeast along road to Fort Griffin, thence northwest into Throckmorton No. 3 quadrangle (by Crawford Dickey in 1923; leveled twice to point 1.2 miles south of Fort Griffin)

Albany, 10.6 mi. NE. of, on N. side of rd., 40 ft. NW. of center of junction of T-rd. N., on rock post; chiseled square	1, 383. 48
Albany, 12.1 mi. NE. of, in front of Diller School, on S. side of rd., 2 ft. N. of wire fence, on rock post; chiseled square	1, 351. 30
Albany, 13.2 mi. NE. of, on W. side of rd., 2 ft. E. of wire fence, on rock post; chiseled square	1, 345. 60
Albany, 13.7 mi. NE. of, 3.2 mi. SW. of Fort Griffin, on W. side of rd., opposite junction of second-class rd. S., 5 ft. W. of wire fence, in rock post; standard tablet stamped "D 3 Texas 1923"	1, 301. 548
Reference mark, 22 ft. N.2°E. of tablet, on rock post; chiseled square	1, 301. 54

From Albany No. 2 quadrangle along road on southwest side of Clear Fork of Brazos River to point 1.2 miles south of Fort Griffin (by Crawford Dickey in 1923)

Fort Griffin, 1.2 mi. S., thence 0.9 mi. NW. from, 380 ft. N. of creek, 100 ft. E. of rd., in 10-in. mesquite tree; rail spike	1, 236. 90
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ALBANY NO. 2 QUADRANGLE

[Latitude 32°45'-33°00'; longitude 99°15'-99°30']

HASKELL, SHACKELFORD, AND THROCKMORTON COUNTIES

From Albany No. 3 quadrangle northwest along Albany-Fort Griffin road to point 3.4 miles northeast of Albany (by C. C. Holder in 1922-23; leveled twice)

Albany, 3.4 mi. NE. of, 50 ft. SE. of center of junction of T-rd. E., in fence corner, 1 ft. E. of S. fence line; standard tablet stamped "H 16 Texas 1923" (recovered by U. S. C. & G. S. in 1934)	1, 426. 631
Reference mark, 7 ft. S. of tablet, 10 in. E. of N.-S. fence line, on rock post flush with ground; chiseled square	1, 426. 01

* This line crosses the southwest corner of Throckmorton No. 4 quadrangle, but no marks were set in that part of the line.

From point 3.4 miles northeast of Albany northeast along Fort Griffin road into Albany No. 1 quadrangle (by Crawford Dickey in 1923; leveled twice)

	<i>Feet</i>
Albany, 4.3 mi. NE. of, on E. side of rd., 30 ft. S. of gate, 1 ft. W. of fence line, on rock; chiseled square-----	1, 446. 13
Albany, 5.8 mi. NE. of, on W. side of rd., opposite house about 400 ft. E. of rd., on rock post; chiseled square-----	1, 412. 05
Albany, 6.7 mi. NE. of, 25 ft. SE. of center line of T-rd. to ranch of L. C. Haskies, 3 ft. E. of fence, in rock post; standard tablet stamped "D 1 Texas 1923" (recovered by U. S. C. & G. S. in 1934)-----	1, 350. 781
Reference mark, 36 ft. N.8°W. of tablet, on N. side of rd. E., on rock post; chiseled square-----	1, 350. 16
Albany, 7.7 mi. NE. of, 30 ft. SW. of center line of T-rd. W. to ranch of J. H. Nail, 1 ft. E. of wire fence, on rock post; chiseled square-----	1, 386. 92
Albany, 8.8 mi. NE. of, at S. end of steel bridge over Foyle Creek, on E. side of rd., on concrete abutment; chiseled square-----	1, 338. 12
Albany, 9.5 mi. NE. of, in NW. angle of rd. fork, 3 ft. W. of wire fence, in rock post; standard tablet stamped "D 2 Texas 1923"-----	1, 375. 609
Reference mark, 30 ft. N.35°W. of tablet, on rock post; chiseled square-----	1, 374. 91

From Throckmorton No. 3 quadrangle southeast along roads on southwest side of Clear Fork of Brazos River into Albany No. 1 quadrangle at point near Fort Griffin (by Crawford Dickey in 1923)

Fort Griffin, 1.2 mi. S., thence 8.8 mi. NW. from, about 150 ft. NW. of rd. fork, 50 ft. W. of small creek, in limestone ledge; standard tablet stamped "D 12 Texas 1923"-----	1, 350. 642
Reference mark, 29 ft. S.15°E. of tablet, on rock; chiseled square-----	1, 351. 04
Fort Griffin, 1.2 mi. S., thence 8.2 mi. NW. from, 40 ft. W. of rd., in 6-in. mesquite tree; copper nail and washer-----	1, 372. 64
Fort Griffin, 1.2 mi. S., thence 7.1 mi. NW. from, 1.2 mi. NW. of residence of J. A. Matthews, about 300 ft. S. of crossroads, in root of 6-in. mesquite tree; copper nail and washer-----	1, 400. 45
Fort Griffin, 1.2 mi. S., thence 5.9 mi. NW. from, in yard of J. A. Matthews, at SE. corner of rock well, in large rock on top of well; standard tablet stamped "D 11 Texas 1923"-----	1, 382. 162
Reference mark, 3 ft. N.20°W. of tablet, on corner of well; chiseled square-----	1, 382. 17
Fort Griffin, 1.2 mi. S., thence 4.6 mi. NW. from, on N. side of rd., 1.3 mi. E. of Matthews residence, about 625 ft. W. of gate in wire fence, in root of 8-in. mesquite tree; copper nail and washer-----	1, 432. 61
Fort Griffin, 1.2 mi. S., thence 3.2 mi. NW. from, 2.3 mi. from main rd., on S. side of rd. E. from Matthews residence, in root of 10-in. mesquite tree; copper nail and washer-----	1, 329. 28
Fort Griffin, 1.2 mi. S., thence 2.1 mi. NW. from, on S. side of rd. from Matthews residence, 35 ft. S. of gate in wire fence, in rock post; standard tablet stamped "D 10 Texas 1923"-----	1, 289. 641
Reference mark, 43 ft. S.65°E. of tablet, in mesquite tree; rail spike--	1, 289. 42

252 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

ALBANY NO. 3 QUADRANGLE

[Latitude 32°30'–32°45'; longitude 99°15'–99°30']

CALLAHAN AND SHACKELFORD COUNTIES

From Anson No. 4 quadrangle east along Missouri-Kansas-Texas Railroad to Albany, thence north along Fort Griffin road into Albany No. 2 quadrangle (by C. C. Holder in 1922–23; leveled twice)

	<i>Feet</i>
Acampo, 0.6 mi. W. of, 300 ft. E. of rd. crossing, 400 ft. W. of milepost 199, 10 ft. N. of center line of track, in cap rock of masonry R. R. culvert; standard tablet stamped "H 11 Texas 1923" (recovered in 1925; recovered also by U. S. C. & G. S. in 1933).....	1, 892. 933
Reference mark, 50 ft. N. of tablet, on N. side of track, in right-of-way fence line, on boulder; chiseled square (recovered in 1925).....	1, 890. 54
Acampo, 0.9 mi. E. of, 9.6 mi. W. of Albany, on E. side of R. R. bridge 197.7; top of bolt.....	1, 878. 99
Albany, 7.9 mi. W. of, 250 ft. E. of milepost 196, 40 ft. S. of track, 2 ft. N. of right-of-way fence, in limestone ledge; standard tablet stamped "H 12 Texas 1923" (recovered by U. S. C. & G. S. in 1933).....	1, 777. 382
Reference mark, 10 ft. E. of tablet, 2 ft. S. of right-of-way fence, on rock ledge; chiseled square.....	1, 777. 30
Albany, 7.2 mi. W. of, at Central Quarry siding, 40 ft. W. of rd. crossing, in W. end of R. R. bridge 195.2; copper nail and washer.....	1, 713. 88
Albany, 6.2 mi. W. of, 7 ft. W. of milepost 194, 30 ft. S. of track, on rock ledge; chiseled square.....	1, 622. 98
Albany, 5.8 mi. W. of, on E. side of track, at E. end of R. R. bridge 193.5; top of bolt.....	1, 591. 05
Albany, 5.0 mi. W. of, N. of E. end of R. R. bridge 192.7, 50 ft. N. of track, 2 ft. S. of right-of-way fence, in concrete post; standard tablet stamped "H 13 Texas 1923" (recovered by U. S. C. & G. S. in 1933).....	1, 533. 918
Reference mark, 27 ft. E. of tablet, 1 ft. N. of right-of-way fence, on boulder; chiseled square.....	1, 534. 40
Albany, 3.4 mi. W. of, at E. end of R. R. bridge 191.3; top of bolt.....	1, 496. 84
Albany, 2.1 mi. W. of, 5 ft. S. of track, in W. abutment of R. R. bridge 189.9; standard tablet stamped "H 14 Texas 1923".....	1, 448. 306
Reference mark, 10 ft. N. of track, on W. abutment of bridge; chiseled square.....	1, 447. 64
Albany, 1.3 mi. W. of, 750 ft. W. of milepost 189, 180 ft. W. of rd. crossing, on S. side of track, on stone culvert; chiseled square.....	1, 439. 91
Albany, opposite sta., on W. side of main street, 60 ft. N. of track, on concrete culvert; chiseled square.....	1, 420. 47
Albany, at W. entrance to Shackelford County courthouse, in S. end of first step; standard tablet stamped "H 15 Texas 1923" (recovered by U. S. C. & G. S. in 1933).....	1, 411. 441
Reference mark, at W. entrance to courthouse, on base of N. end of steps; chiseled square.....	1, 410. 90
From Anson No. 4 quadrangle southeast along Missouri-Kansas-Texas Railroad to point 0.6 mile west of Acampo (by E. R. Martin in 1925)	
Lueders, 12.9 mi. SE. of, 1.2 mi. NW. of Acampo, 0.4 mi. W. of milepost 199, on S. side of culvert; square hole.....	1, 881. 97

ALGERITA QUADRANGLE

[Latitude 31°00'-31°15'; longitude 98°45'-99°00']

SAN SABA COUNTY

From Bend quadrangle west along Gulf, Colorado & Santa Fe Railway to Algerita, thence southwest about 11.3 miles along road up San Saba River to Doran ranch (by F. L. Whaley in 1920; double-rodged spur line)

	<i>Feet</i>
San Saba, 2.5 mi. W. of, 1.9 mi. E. of Harkeyville, in SW. corner of rd. fork, 2 ft. E. of fence corner; iron post stamped "1920 1228"-----	1, 228. 382
Harkeyville, 3.5 mi. E. of Algerita, at rd. crossing, in NE. corner of rd. junction, at R. R. right-of-way fence line, 2 ft. W. of highway fence; iron post stamped "1920 1233"-----	1, 233. 555
Algerita, 1.9 mi. E. of, about 700 ft. N. of track, in NW. corner of junction of T-rd. N.; iron post stamped "1920 1233"-----	1, 233. 965
Algerita, 1,000 ft. W. of R. R. sta., 330 ft. N. of school building, in W. corner of right-angle turn in highway, at R. R. right-of-way fence line; iron post stamped "1920 1299" (recovered in 1925)-----	1, 300. 480
U. S. C. & G. S. standard disk stamped "V 340 1935" ⁵ -----	1, 286. 267
Algerita, 2.7 mi. SW. of, 600 ft. N. of residence, at rd. fork, 20 ft. N. of gate; iron post stamped "1920 1303"-----	1, 304. 079
Algerita, 4.3 mi. SW. of, at Baker's Springs, at S. end of Baker ranch house, in base of stone chimney; standard tablet stamped "1920 1307"-----	1, 307. 737
Algerita, 5.6 mi. SW. of, 400 ft. S. of residence of J. H. Bogard, 6 ft. E. of rd., in root of large leaning live-oak tree; nail-----	1, 283. 62
Algerita, 7.0 mi. SW. of, 100 ft. N. of junction of rd. to Sloam School crossing, on N. side of San Saba River, in side of bluff, in limestone ledge outcrop; standard tablet stamped "1920 1277"-----	1, 278. 526
Algerita, 8.4 mi. SW. of, 1.4 mi. E. of Doran ranch house, 0.5 mi. E. of concrete crossing over San Saba River, 10 ft. S. of rd., on N. side of San Saba River, on top of bluff, on rock; chiseled circle-----	1, 305. 12
Algerita, 8.9 mi. SW. of, 200 ft. S. of residence of W. A. Maxwell, along bench near rd., in limestone ledge; standard tablet stamped "1920 1292"-----	1, 293. 537
Reference mark, on limestone ledge along bench; chiseled square----	1, 293. 50
Algerita, 9.9 mi. SW. of, 1.2 mi. W. of concrete crossing of San Saba River, in yard of H. H. Doran, 30 ft. W. of house, in root of large live-oak tree; nail-----	1, 305. 73
Algerita, 11.0 mi. SW. of, 0.25 mi. S. of residence of W. H. Doran, on N. bank of San Saba River, on yellow limestone outcrop; chiseled square-----	1, 284. 34
San Saba River, at proposed dam site; surface of water Mar. 2, 1920--	1, 284. 0
Algerita, 11.2 mi. SW. of, at Doran ranch, 0.25 mi. S. of dwelling of W. H. Doran, on N. side of San Saba River, about 200 ft. N. of river bank; on hillside, in white limestone rock; standard tablet stamped "1920 1308"-----	1, 309. 471
Doran ranch, 11.3 mi. SW. of Algerita, 600 ft. W. of dwelling of W. H. Doran, 10 ft. N. of gate, on N. side of San Saba River, on top of bluff; iron post stamped "1920 1379"-----	1, 379. 705

⁵The tie between this mark and the bench mark stamped "1920 1299" was made in 1936.

254 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From point 1.9 miles east of Algerita along road north into Richland Springs quadrangle (by Basil Tuttle in 1920)

Algerita, 1.9 mi. E., thence 0.8 mi. N. from, at junction of private rd. E., on W. side of rd., about 40 ft. W. of gate, in fence line, in base of 10-in. elm tree; wire nail.....	Feet 1, 237. 66
Algerita, 1.9 mi. E., thence 2.3 mi. N. from, at junction of T-rd. E., 100 ft. NE. of center of bridge over Richland Creek, at corner of highway fences N. and E., 300 ft. W. of house; iron post stamped "1920 1254".....	1, 255. 145

From Algerita northwest along State highway near Gulf, Colorado & Santa Fe Railway into Richland Springs quadrangle (by E. E. Harris in 1925)

Algerita, 1.3 mi. NW. of, in NW. corner of junction of rd. N., in root on N. side of leaning mesquite tree; copper nail and washer.....	1, 308. 25
Algerita, 2.4 mi. NW. of, 60 ft. N. and 80 ft. W. from junction of rd. N., in root on W. side of small mesquite tree; copper nail and washer.....	1, 380. 26
Algerita, 3.8 mi. NW. of, 2.9 mi. SE. of Richland Springs, on S. side of State highway, on E. side of lane S. through gate, in right angle in fence line, 4 ft. from each fence, in granite post; standard tablet stamped "H 195 1925".....	1, 414. 997
Reference mark, 30.4 ft. S.65°W. of tablet, in root on E. side of prominent mesquite tree; copper nail and washer.....	1, 414. 89

ANSON NO. 1 QUADRANGLE

[Latitude 32°45'-33°00'; longitude 99°30'-99°45']

HASKELL, JONES, AND SHACKELFORD COUNTIES

From Anson No. 2 quadrangle southeast along Missouri-Kansas-Texas Railroad into Anson No. 4 quadrangle (by E. R. Martin in 1925)

Avoca, 2.4 mi. SE. of, 800 ft. E. of milepost 217, 43.8 ft. S. of S. track, on N. side of rd., in corner of right-of-way fence, in concrete pier; standard tablet stamped "M 43 1924" (recovered by U. S. C. & G. S. in 1933).....	1, 584. 515
Avoca, 5.1 mi. SE. of, 2.1 mi. NW. of Lueders, 1,873 ft. W. of milepost 214, 45 ft. S. of track, on N. side of rd., in corner of right-of-way fence, in concrete pier; standard tablet stamped "M 44 1924" (recovered by U. S. C. & G. S. in 1933).....	1, 557. 330
Lueders, 0.7 mi. SE. of, at bridge over Clear Fork of Brazos River, 7.2 ft. S. of S. track, in S. side of W. abutment, 2.1 ft. below track; standard tablet stamped "M 45 1924".....	1, 529. 971
Lueders, 4.0 mi. SE. of, on W. side of Lueders-Anson rd., at intersection of Albany-Stamford rd., 48.2 ft. N. of N. track, in corner of right-of-way fence, in concrete pier; standard tablet stamped "M 46 1924" (recovered by U. S. C. & G. S. in 1933).....	1, 627. 169
Lueders, 7.0 mi. SE. of, 0.5 mi. E. of milepost 206, 7.8 ft. S. of S. track, in top of W. side of W. end of culvert, 2 ft. below track; standard tablet stamped "M 47 1924" (recovered by U. S. C. & G. S. in 1933).....	1, 698. 104
Reference mark, 9.5 ft. N. of N. track, on W. side of top of N. end of culvert, about 2 ft. below rail; chiseled cross (recovered by U. S. C. & G. S. in 1933).....	1, 698. 284

ANSON NO. 2 QUADRANGLE

[Latitude 32°45'–33°00'; longitude 99°45'–100°00']

HASKELL, JONES, AND STONEWALL COUNTIES

From Rule quadrangle southwest along road to Stamford, thence southeast along Missouri-Kansas-Texas Railroad into Anson No. 1 quadrangle (by E. R. Martin in 1925)

Stamford, 5.4 mi. N. of, on property of R. J. Colbert, about 63 ft. SW. of house, at SW. corner of yard; standard tablet stamped "M 38 1924"-----	1, 496. 333
Reference mark, about 100 ft. NE. of tablet, at SE. corner of house, on SW. corner of top of cistern; chiseled mark-----	1, 497. 40
Stamford, 1.0 mi. N. of, at concrete bridge, in top of W. side of N. abutment; standard tablet stamped "M 39 1924"-----	1, 541. 267
Reference mark, across rd. from tablet, on top of E. side of N. abutment; chiseled cross-----	1, 541. 08
Stamford, on E. side of R. R. sta., 27 ft. W. of W. track of Wichita Valley Ry., at corner of porch, in SE. column, 5 in. above step and 7 in. S. of N. edge of stone facing; standard tablet stamped "M 40 1924" (recovered by U. S. C. & G. S. in 1933)-----	1, 610. 108
Reference mark, about 60 ft. N. of tablet, at NE. corner of sta., 1 ft. above ground, on top of foundation stone, 1.5 in. from corner and 1 in. from wall; small indentation-----	1, 610. 45
Stamford, 3.3 mi. SE. of, 66 ft. N. of M. K. T. R. R. section post 23–24, 50 ft. N. of N. track, at junction of Stamford-Albany rd. and rd. N., 3 ft. N. of R. R. right-of-way fence, in concrete post; standard tablet stamped "M 41 1924" (recovered by U. S. C. & G. S. in 1933)-----	1, 568. 977
Reference mark, 66 ft. S. of tablet, 13.3 ft. S. of center line of track, in top of section post 23–24; copper nail and washer-----	1, 573. 67
Stamford, 5.7 mi. SE. of, 1.2 mi. NW. of Avoca, at R. R. bridge over California Creek, 7.2 ft. N. of N. rail, in N. side of E. abutment, 6 ft. below track and 2 ft. above ground; standard tablet stamped "M 42 1924"-----	1, 525. 398
Reference mark, at bridge, 8.2 ft. N. of and 1.6 ft. below track, on N. side of E. abutment; chiseled cross-----	1, 529. 20

ANSON NO. 4 QUADRANGLE

[Latitude 32°30'–32°45'; longitude 99°30'–99°45']

CALLAHAN, JONES, SHACKELFORD, AND TAYLOR COUNTIES

From Abilene No. 1 quadrangle at point near Hamby northeast along roads to Missouri-Kansas-Texas Railroad, thence east into Albany No. 3 quadrangle (by C. C. Holder in 1922–23; leveled twice)

Hamby, 0.9 mi. S. of, 50 ft. NE. of center of crossroads, 10 ft. N. of fence corner, in concrete post; standard tablet stamped "H 3 Texas 1922"-----	1, 752. 354
Reference mark, 40 ft. N. of tablet, 80 ft. NE. of crossroads, in fence line, on boulder set flush with ground; chiseled square-----	1, 751. 67
Hamby, 500 ft. S. of crossroads, on W. side of rd., on concrete culvert; chiseled square-----	1, 735. 81
Hamby, 0.7 mi. N. of, 50 ft. NW. of center of junction of T-rd. N., in fence line, on stone post; chiseled square-----	1, 763. 95
Hamby, 1.7 mi. NE. of, in SW. angle of rd. at turn S., on stone post flush with ground; chiseled square-----	1, 791. 62

256 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	Feet
Hamby, 2.3 mi. NE. of, 50 ft. NE. of center of crossroads, 10 ft. N. of fence corner, in fence line, in concrete post; standard tablet stamped "H 4 Texas 1922"-----	1, 811. 060
Reference mark, 30 ft. N. of tablet, 70 ft. N. of crossroads, on E. side of rd., in fence line, on stone post; chiseled square-----	1, 810. 41
Hamby, 3.0 mi. NE. of, on E. side of rd., in floor of culvert; copper nail and washer-----	1, 774. 43
Hamby, 3.4 mi. NE. of, 50 ft. NE. of center of junction of T-rd. E., at fence corner, in mesquite tree; spike-----	1, 782. 41
Hamby, 3.9 mi. NE. of, on W. side of rd., in floor of bridge; copper nail and washer-----	1, 754. 02
Hamby, 4.3 mi. NE. of, 50 ft. NW. of center of crossroads, opposite Advent Church, in NW. fence corner, on stone post flush with ground; chiseled square-----	1, 764. 25
Hamby, 5.1 mi. NE. of, in floor of bridge; spike-----	1, 782. 61
Hamby, 5.4 mi. NE. of, 60 ft. NW. of center of crossroads, in fence line, on stone post extending 2 in. above ground; chiseled square--	1, 800. 63
Hamby, 6.4 mi. NE. of, 50 ft. NW. of junction of T-rd. S., in concrete post; standard tablet stamped "H 5 Texas 1922"-----	1, 759. 254
Reference mark, 16 ft. W. of tablet, on stone post flush with ground; chiseled square-----	1, 758. 14
Hamby, 7.1 mi. NE. of, on S. side of rd., on stone culvert; chiseled square-----	1, 768. 47
Hamby, 7.4 mi. NE. of, 50 ft. NW. of junction of rds. SW. and NE., on stone post flush with ground; chiseled square-----	1, 805. 36
Hamby, 7.8 mi. NE. of, on W. side of rd., on stone culvert; chiseled square-----	1, 750. 69
Hamby, 8.7 mi. NE. of, 50 ft. NW. of angle in rd., 2 ft. N. of fence line, on stone post flush with ground; chiseled square-----	1, 807. 71
Hamby, 10.3 mi. NE. of, 60 ft. SE. of center of junction of T-rd. E., 3 ft. E. of N.-S. wire fence, in concrete post; standard tablet stamped "H 6 Texas 1922"-----	1, 815. 684
Reference mark, 15 ft. S. of tablet, 1 ft. E. of wire fence, on stone post; chiseled square-----	1, 816. 25
Hamby, 11.3 mi. NE. of, on N. side of rd. at slight offset, 3 ft. W. of T-fence N., on rock post; chiseled square-----	1, 839. 47
Hamby, 12.9 mi. NE. of, on N. side of rd., 10 ft. E. of circular sign "Abilene 22 mi., Albany 18 mi.," on rock post; chiseled square----	1, 901. 06
Hamby, 13.2 mi. NE. of, on S. side of rd., 30 ft. E. of T-fence S., 60 ft. E. of gatepost, in limestone post; standard tablet stamped "H 7 Texas 1923"-----	1, 909. 377
Reference mark, 13 ft. E. of tablet, on rock post; chiseled square----	1, 909. 21
Hamby, 14.2 mi. NE. of, 150 ft. SW. of drain crossing, on S. side of rd., in 12-in. mesquite tree; spike-----	1, 887. 74
Hamby, 15.2 mi. NE. of, 135 ft. W. of right-angle turn in rd. from E. to N., on S. side of rd., in fence line, in concrete post; standard tablet stamped "H 8 Texas 1922"-----	1, 956. 501
Reference mark, 24 ft. W. of tablet, on rock post 3 in. below surface of ground; chiseled square-----	1, 955. 04
Hamby, 17.7 mi. NE. of, on E. side of rd., in fence line, 10 ft. N. of gate, on rock post; chiseled square-----	1, 911. 11
Hamby, 18.5 mi. NE. of, on E. side of rd., in fence line, in rock post; standard tablet stamped "H 9 Texas 1922"-----	1, 919. 147
Reference mark, 14 ft. S. of tablet, on rock post flush with ground; chiseled square-----	1, 918. 81

	<i>Feet</i>
Hamby, 19.6 mi. NE. of, about 1,200 ft. SW. of rain tank, on E. side of rd., in fence line, on rock post; chiseled square-----	1, 837. 09
Hamby, 22.1 mi. NE. of, 2.6 mi. W., thence 1.5 mi. S. from Acampo, 150 ft. W. of crossroads, 35 ft. W. of angle in rd. S., in fence corner, in concrete post; standard tablet stamped "H 10 Texas 1922"-----	1, 825. 672
Reference mark, 19 ft. E. of tablet, on rock ledge; chiseled square....	1, 826. 46
Acampo, 1.7 mi. W. of, on N. side of Missouri-Kansas-Texas R. R., 400 ft. W. of milepost 200, on top of stone R. R. culvert; chiseled square-----	1, 867. 60
Acampo, 1.0 mi. W. of, on S. side of track, on stone culvert; chiseled square-----	1, 881. 96

From Anson No. 1 quadrangle southeast along Missouri-Kansas-Texas Railroad
into Albany No. 3 quadrangle (by E. R. Martin in 1925)

Lueders, 10.3 mi. SE. of, 18 ft. N. of N. track, on right-of-way, in flat rock outcrop; standard tablet stamped "M 48 1924"-----	1, 819. 471
Lueders, 12.3 mi. SE. of, 350 ft. W. of milepost 200, on N. side of culvert; square hole-----	1, 867. 62

ARCHER CITY QUADRANGLE

[Latitude 33°30'-33°45'; longitude 98°30'-98°45']

ARCHER COUNTY

From Holliday quadrangle generally southwest along roads and State Highway
79 by way of Archer City into Newcastle No. 1 quadrangle (by C. E. Walker
in 1928)

Wichita Lake, about 5 mi. S. of S. edge of, 12.5 mi. NE. of Archer City, at turn in rd. from W. to S., 320 ft. N. of wooden bridge, on N. side of rd., at T-fence corner, 25 ft. E. of wire gate; top of 2-in. pipe-----	1, 011. 54
Archer City, 10.9 mi. NE. of, at Three-way service sta., 30 ft. E. of rd. junction, 100 ft. SE. of store, in fence line, in concrete post; standard tablet stamped "WA 6 Tex 1926"-----	1, 014. 012
Reference mark, at rd. junction, 29 ft. W. of center line of rd., 125 ft. S. of small store, in fence line; top of 2-in. pipe-----	1, 012. 84
Archer City, 10.0 mi. NE. of, at intersection of second-class rd., 80 ft. E. of cattle guard, on E. side of rd., in W. side of 8-in. mesquite tree; copper nail and washer-----	1, 025. 65
Archer City, 9.0 mi. NE. of, near small drain, 45 ft. W. of center of small bridge, on property of W. B. Aldridge, in fence line, in concrete post; standard tablet stamped "WA 7 Tex 1926"-----	972. 954
Reference mark, in drain, 31 ft. W. of center of bridge, in W. side of 18-in. oak tree; copper nail and washer-----	971. 65
Archer City, 8.0 mi. NE. of, about 0.5 mi. N. of Bluff Creek crossing, on property of A. P. Jackson, at intersection of second-class rd., on NW. side of rd., 2 ft. N. of N. gatepost, in fence line; top of 2-in. pipe-----	969. 96
Bluff Creek bridge, at NW. pier; top of anchor bolt-----	955. 00
Archer City, 7.2 mi. NE. of, 0.4 mi. S. of crossing of Bluff Creek, at summit of sharp ridge, on W. side of rd., in fence line; top of 2-in. pipe-----	992. 97
Archer City, 6.8 mi. N. of, 45 ft. E. of junction of T-rd. W. to oil field, 150 ft. E. of cattle guard, 5 ft. E. of fence corner, in fence line, in concrete post; standard tablet stamped "WA 8 Tex 1926"-----	977. 333

258 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Reference mark, 75 ft. NW. of rd. junction, 88 ft. NE. of cattle guard, in root on NE. side of 6-in. mesquite tree; copper nail and washer	977. 54
Archer City, 6.7 mi. N. of, at Bluff Creek bridge, on E. side of rd., 4 ft. below rd. surface, in root of tree; copper nail and washer	954. 60
Archer City, 6.3 mi. N. of, 0.2 mi. N. of Maxon No. 5 oil well, on E. side of rd., 100 ft. N. of pasture gate, inside fence, in root of 4-in. leaning mesquite tree; copper nail and washer	958. 38
Archer City, 5.9 mi. N. of, 700 ft. S. of Maxon No. 5 oil well, 50 ft. E. of rd., in root on W. side of 6-in. mesquite tree; copper nail and washer	970. 11
Archer City, 4.8 mi. N. of, at Little Wichita River, 185 ft. N. of center of bridge, 45 ft. W. of rd., 90 ft. W. of Riverside Store, in fence line, in concrete post; standard tablet stamped "WA 9 Tex 1926"	960. 008
Reference mark, 310 ft. N. of center of bridge, 140 ft. N. of Riverside Store, 55 ft. E. of rd., on property of L. F. Wilson, in root on W. side of 8-in. mesquite tree; copper nail and washer	959. 90
Archer City, 3.8 mi. N. of, on W. side of rd., just N. of slight angle, in front of farmhouse of L. F. Wilson, 2 ft. W. of fence line, in N. side of southernmost of twin mesquite trees; copper nail and washer	981. 23
Archer City, 2.9 mi. N. of, 35 ft. W. of rd., in line with T-rd. E., in fence line, in concrete post; standard tablet stamped "WA 10 Tex 1926"	1, 016. 028
Archer City, 1.9 mi. N. of, at intersection of second-class rd., 95 ft. E. of center line of rd., 62 ft. E. of gate on E. side of rd., 136 ft. N. of fence corner by driven pipe, in root on NW. side of 8-in. leaning mesquite tree; copper nail and washer	1, 008. 76
Archer City, 0.8 mi. N. of, 111 ft. NE. of junction of T-rd. W., 46 ft. E. of center line of State Highway 79, 68 ft. S. of fence corner, in NW. side of 8-in. leaning mesquite tree; copper nail and washer	1, 019. 88
Archer City, at N. entrance of Archer County courthouse, in E. end of top stone step; standard tablet stamped "WA 11 Tex 1926" (recovered by U. S. C. & G. S. in 1933)	1, 069. 105
Reference mark, at NW. corner of courthouse yard, on corner of retaining wall; chiseled square	1, 067. 40
Archer City, at SW. edge of town, 65 ft. S. of center line of rd. at right-angle turn, 35 ft. S. of fence corner, in E. side of 4-in. mesquite tree; copper nail and washer	1, 049. 14
Archer City, 2.0 mi. S. of, 88 ft. E. of center line of highway, opposite farmhouse of J. R. Crawford, 175 ft. S. of E.-W. fence line, in root on W. side of 6-in. mesquite tree; copper nail and washer	1, 037. 40
Archer City, 2.8 mi. S. of, 70 ft. NE. of intersection of highway and Wichita Falls & Southern Ry., 25 ft. W. of center line of rd., in fence corner, in concrete post; standard tablet stamped "WA 12 Tex 1926"	1, 061. 513
Reference mark, 90 ft. SE. of crossing, 41 ft. E. of center line of rd., in fence line, in 4-in. leaning mesquite tree; copper nail and washer	1, 059. 39
Archer City, 4.0 mi. SW. of, at right-angle turn in highway from S. to W., 60 ft. W. of junction of rd. N., on S. side of rd., 17 ft. S. of fence, in field, in 4-in. leaning mesquite tree; copper nail and washer	1, 045. 20
Archer City, 4.4 mi. SW. of, at W. end of 0.5-mi. jog in E.-W. rd., 50 ft. E. of E. rail of Wichita Falls & Southern R. R. tracks, 34 ft. NW. of corner of bend in rd., 2 ft. inside fence, in fence corner, in concrete post; standard tablet stamped "WA 13 Tex 1926" (recovered by U. S. C. & G. S. in 1933)	1, 053. 453

Archer City, 5.5 mi. SW. of, 36 ft. W. of center line of rd., in front of farmhouse of J. Powell, 110 ft. N. of center of gate, in fence line, in W. side of 5-in. mesquite tree; copper nail and washer-----	<i>Feet</i> 1, 055. 06
Archer City, 6.8 mi. SW. of, 2.6 mi. NE. of Anarene, on E. side of highway at right-angle turn from S. to W., 30 ft. NE. of pasture gate, in T-fence corner, in concrete post; standard tablet stamped "WA 14 Tex 1926"-----	1, 093. 496
Reference mark, 40 ft. S. of intersection of center lines at angle in highway, 30 ft. E. of pasture gate, at fence corner, in 8-in. mesquite tree, 2 ft. above ground; copper nail and washer-----	1, 095. 87
Anarene, 1.7 mi. NE. of, 112 ft. E. of E. rail of Wichita Falls & Southern R. R., 150 ft. S. and 35 ft. E. from center of bend in highway, in NW. side of leaning 6-in. mesquite tree; copper nail and washer----	1, 080. 62

From Archer City northwest and north along roads into Holliday quadrangle at point near Dads Corner (by C. E. Walker in 1926)

Archer City, 1.0 mi. NW. of, on S. side of rd., at bend; top of well curb-----	1, 004. 79
Archer City, 2.5 mi. along Meridian Highway NW. of, at NW. corner of property of R. B. Morris, 20 ft. E. of corner of rd., 20 ft. SE. of cattle guard, in fence corner, in concrete post; standard tablet stamped "WA 49 Tex 1926"-----	987. 971
Archer City, 4.5 mi. NW. of, on E. side of rd., in line with T-rd. W., in fence line, in concrete post; standard tablet stamped "WA 50 Tex 1926"-----	974. 038
Archer City, 6.4 mi. NW. of, about 0.2 mi. S. of North Fork of Little Wichita River, at turn from N. to W. in main rd., 100 ft. NE. of rd. junction, 3 ft. SE. of fence corner, in concrete post; standard tablet stamped "WA 51 Tex 1926" (recovered in 1929)-----	973. 095
Reference mark, at turn from N. to E. in rd., 30 ft. S. of gate, in S. side of leaning 8-in. mesquite tree; copper nail and washer (recovered in 1929)-----	976. 49
Archer City, 7.5 mi. NW. of, 5.9 mi. SE. of Dads Corner, 100 ft. N. of bridge over small creek, at right angle in rd., at NE. corner of property of John Richards, in S. side of 8-in. mesquite tree; copper nail and washer-----	973. 36
Dads Corner, 3.6 mi. S. of, 40 ft. W. of cattle guard fence crossing, in fence line, in concrete post; standard tablet stamped "WA 52 Tex 1926"-----	1, 051. 412
Reference mark, 32 ft. SE. of cattle guard, in leaning 5-in. mesquite tree; copper nail and washer-----	1, 051. 75
Dads Corner, 2.4 mi. S. of, about 800 ft. E. of oil rig, 50 ft. NE. of crossing of second-class rd., in E. side of leaning mesquite tree; copper nail and washer-----	1, 053. 03
Dads Corner, at SW. edge of, 90 ft. N. and 50 ft. W. from crossroads, 15 ft. W. of fence corner, in fence line, in concrete post; standard tablet stamped "WA 53 Tex 1926" (recovered in 1929)-----	1, 032. 452

From point 4.5 miles northwest of Archer City generally west along roads into Dundee quadrangle (by C. E. Walker in 1926)

Archer City, 4.5 mi. NW., thence 1.3 mi. W. from, at summit of hill, 1,250 ft. E. of crossing of second-class rd., 120 ft. SE. of rd. at end of short curve, 110 ft. SE. of fence corner, in N. side of 6-in. elm tree; copper nail and washer-----	1, 047. 04
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260 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Archer City, 4.5 mi. NW., thence 3.4 mi. W. from, 20 ft. S. and 20 ft. W. from junction of T-rd. W., in fence corner, in concrete post; standard tablet stamped "WA 98 Tex 1926"----- *Feet*
 1, 038. 752
 Reference mark, 10 ft. N. and 30 ft. E. from rd. junction, 10 ft. inside fence line, in W. side of 6-in. mesquite tree; copper nail and washer... 1, 040. 27

From Dundee quadrangle at point about 7.5 miles west of Archer City east along road to Archer City (by C. E. Walker in 1926; leveled twice from point 5.8 miles west of Archer City)

Archer City, 7.1 mi. W. of, on N. side of rd., near NW. corner of property of C. E. Goodwin, 10 ft. N. and 70 ft. E. from fence line, in SE. side of leaning 6-in. mesquite tree; copper nail and washer.... 1, 039. 32
 Archer City, 5.8 mi. W. of, 32 ft. N. and 35 ft. E. from crossroads, at SW. corner of property of C. Domineg, in fence corner, in concrete post; standard tablet stamped "WA 47 Tex 1926"----- 1, 028. 266
 Archer City, 3.3 mi. W. of, in line with T-rd. E., on property of R. Hosler, 2 ft. inside fence line, in concrete post; standard tablet stamped "WA 48 Tex 1926"----- 1, 022. 814
 Archer City, 2.2 mi. W. of, 400 ft. E. of bridge over South Fork Creek, 20 ft. N. of rd., on property of T. B. Wilson, in fence line, in leaning 6-in. mesquite tree; copper nail and washer..... 996. 63
 Archer City Lake, 6 ft. E. of NE. corner of water filtering tank, on concrete curbing; chiseled square..... 1, 027. 86

From point 5.6 miles west of Archer City along roads south 2 miles, thence west into Dundee quadrangle (by C. E. Walker in 1926)

Archer City, 5.6 mi. W., thence 2.0 mi. S. from, 80 ft. E. of Sturgeon School, on E. side of rd., in fence corner, in concrete post; standard tablet stamped "WA 90 Tex 1926"----- 1, 085. 951
 Reference mark, on N. side of Sturgeon School, on E. end of concrete well capstone; chiseled square..... 1, 088. 59

From crossroads southwest of Dads Corner west and north west 2.6 miles along roads into Dundee quadrangle (by J. A. Shumate in 1929)

Dads Corner, 0.5 mi. S., thence 1.3 mi. W. from, in SE. angle of junction of T-rd. S., in bench on N. side of 8-in. mesquite tree; copper nail and washer..... 1, 031. 08
 Dads Corner, 0.5 mi. S., thence 3.0 mi. W. from, 32 ft. N. and 38 ft. W. from junction of T-rd. N., in concrete post; standard tablet stamped "JAS 1 1929"----- 1, 056. 572
 Reference mark, 105 ft. S. of tablet, in bench on side of 6-in. mesquite tree; copper nail and washer..... 1, 057. 08

From point 6.4 miles northwest of Archer City northwest along road on north side of North Fork of Little Wichita River into Dundee quadrangle (by J. A. Shumate in 1929)

Archer City, 7.4 mi. NW. of, 0.6 mi. W. of bridge over North Fork of Little Wichita River, 100 ft. N. of stream, 150 ft. SE. of group of three oil tanks, projecting 2 ft. above ground; top of leaning 2-in. pipe..... 976. 70
 Archer City, 9.3 mi. NW. of, 160 ft. E. of pumping sta. on river bank, 12 ft. W. of N. gatepost, in concrete post; standard tablet stamped "JAS 2 1929"----- 986. 600
 Reference mark, 40 ft. W. of tablet, in root on S. side of 8-in. elm tree; copper nail and washer..... 986. 02
 Archer City, 10.4 mi. NW. of, 200 ft. N. of stream, 160 ft. E. of cattle guard, in root on N. side of 6-in. mesquite tree; copper nail and washer..... 991. 75

Archer City, 11.4 mi. NW. of, 200 ft. N. of dam, in SW. angle of cross-roads, in root on W. side of 6-in. chinaberry tree; bolt and washer... Feet
992. 26

AUSTIN NO. 1 QUADRANGLE

[Latitude 30°15'-30°30'; longitude 97°30'-97°45']

TRAVIS AND WILLIAMSON COUNTIES

From northeast corner of Austin No. 3 quadrangle northeast along roads and streets to Austin (by J. A. Hinman in 1897)

Austin, at wagon bridge over Colorado River, in W. end of S. rock pier; copper bolt stamped "476" (recovered by U. S. C. & G. S. in 1904) ⁶----- 470. 075

Austin, 5 ft. W. of second telegraph pole W. of Austin & Northwestern R. R.⁷ freight sta.; iron post stamped "471" (recovered in 1930; also recovered by U. S. C. & G. S. in 1904) ⁸----- 465. 659

Austin, in SW. corner of building formerly occupied by post office, facing Colorado Street; standard tablet stamped "508" (recovered in 1930; also recovered by U. S. C. & G. S. in 1904)----- 502. 230

From Mount Bonnell quadrangle northeast along International-Great Northern Railroad to McNeil, thence northwest along Austin & Northwestern Railroad into Georgetown No. 3 quadrangle.⁹ (by Thomas Winsor in 1898)

Duval, 2.7 mi. S. of, on S. side of Fiskville public rd., 250 ft. S. of Am-boy sta., 22 ft. W. of track; iron post stamped "758 SA"----- 750. 266

Duval, 100 ft. N. of switch head block, 2.8 mi. SW. of McNeil, 42 ft. W. of track, 6 ft. S. of telegraph pole, in 15-in. limestone rock; standard tablet stamped "797 SA"----- 789. 520

McNeil, 75 ft. N. of intersection of I. G. N. R. R. and A. & NW. R. R., 22 ft. NE. of A. & NW. track, in triangular limestone rock, near acute point; standard tablet stamped "836 SA" ¹⁰----- 828. 805

McNeil, 3.2 mi. NW. of, 500 ft. E. of section house, on W. side of rd., 22 ft. S. of track; iron post stamped "857 SA" (recovered by U. S. C. & G. S. in 1933)----- 849. 575

From Round Rock quadrangle southwest along International-Great Northern Railroad to point about 2 miles northeast of McNeil (by T. A. Green and H. P. Jones in 1924; spur line leveled twice)

Round Rock, 2.3 mi. SW. of, 75 ft. W. of tracks, on W. side of rd., about 175 ft. E. of house occupied by Bus McNeese, in hub on base of twin elm tree; copper nail and washer----- 792. 73

Round Rock, 3.0 mi. SW. of, about 2 mi. NE. of McNeil, 95 ft. W. of tracks, 30 ft. W. of rd., 20 ft. W. of fence line, 50 ft. SW. of gate leading to house of G. W. Johns, in flat limestone rock, flush with ground; standard tablet stamped "G 4 1924"----- 804. 349

Reference mark, on W. side of tracks, at SW. corner of cattle guard at rd. crossing, on flat limestone rock; chiseled square----- 806. 36

⁶ Reset in 1930. See p. 262.

⁷ Now part of the Texas & New Orleans Division of the Southern Pacific Co.

⁸ Described by U. S. C. & G. S. as 197 feet west of the office door of the freight station.

⁹ This line crosses the northeast corner of Mount Bonnell quadrangle but no permanent bench marks were set along that portion of the line.

¹⁰ In 1924 this bench mark was reported destroyed.

262 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From Austin along Congress Avenue southwest into Austin No. 3 quadrangle
(by I. F. Hazelwood in 1924)

	<i>Feet</i>
Colorado River, under bridge; surface of water Nov. 24, 1924.....	418. 9
Austin, in NW. corner of intersection of Nellie Street, 2.5 ft. N. of SE. corner of Texas School for the Deaf, on E. side of limestone fence; chiseled square.....	499. 30

From Austin No. 4 quadrangle along roads northwest to Austin (by I. F.
Hazelwood in 1925)

Austin, 3.6 mi. SE. of old post office at, 35 ft. W. of junction of T-rd. NW., in root on NW. side of 28-in. hackberry tree; copper nail and washer.....	456. 56
Austin, 2.8 mi. SE. of, 120 ft. N. of center of crossroads, in W. fence line, in root on E. side of 12-in. hackberry tree; copper nail and washer.....	459. 10
Austin, 2.5 mi. SE. of, in SW. angle of crossroads, 4 ft. W. of NE. corner of stockyard fence, set in concrete; iron post stamped "H 50 1924" ¹¹	462. 021
Reference mark, 70 ft. N. of iron post, in NW. angle of crossroads, in root on E. side of 15-in. hackberry tree; copper nail and washer....	460. 93
Austin, at SW. corner of intersection of First and Chicon Streets, on top of curb; chiseled square.....	460. 87
Austin, at NW. corner of intersection of First Street and Congress Avenue, in front of service sta., on top of corner of concrete curb; chiseled square.....	468. 86

From Austin along streets southwest into Austin No. 3 quadrangle (by E. E.
Harris in 1930)

Austin, at new concrete highway bridge over Colorado River, in E. end of S. abutment; copper bolt stamped "476" ¹²	470. 440
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AUSTIN NO. 3 QUADRANGLE

[Latitude 30°00'–30°15'; longitude 97°45'–98°00']

HAYS AND TRAVIS COUNTIES

From Austin No. 4 quadrangle at point 1 mile northwest of Creedmoor along
roads northwest to point 1 mile south of Manchaca, thence southwest along
International-Great Northern Railroad into San Marcos No. 2 quadrangle (by
J. A. Hinman in 1896–97)

Manchaca, 2.0 mi. SE. of, 5.4 mi. NW. of Creedmoor, at intersection of Creedmoor-Manchaca and old San Antonio-Austin rds., on N. side of rd.; iron post stamped "649".....	643. 811
Manchaca, 1.0 mi. S. of, 3.8 mi. NE. of Buda, in E. end of N. rock pier of I. G. N. R. R. bridge over Bear Creek; copper bolt stamped "651".....	645. 499
Buda, 1,000 ft. N. of sta., 60 ft. S. of crossing of old San Antonio- Austin rd., 35 ft. E. of track, 7 ft. S. of telegraph pole; iron post stamped "711".....	705. 799
Buda, 5.8 mi. SW. of, 1.0 mi. N. of Kyle, at crossing of Kyle-Austin rd., 40 ft. E. of track, 30 ft. N. of rd., in corner of right-of-way fence; iron post stamped "713".....	707. 937

¹¹ In 1935 this bench mark was reported destroyed.

¹² This mark replaces the bench mark with an elevation of 470.075 feet, described on p. 261.

From point 1 mile south of Manchaca northeast along International-Great Northern Railroad to road near north border of quadrangle, thence along roads southeast and northeast into Austin No. 1 quadrangle near south limits of Austin (by J. A. Hinman in 1897)

Manchaca, 6.0 mi. N. of, 5.0 mi. S. of Austin, at R. R. bridge over Williamson Creek, in top of E. end of S. rock pier; copper bolt stamped "641" ¹³ -----	Feet 633. 334
From point 3.6 miles southwest of Austin along roads southwest and west to Cedar Valley, thence southeast to point on International-Great Northern Railroad 1 mile south of Manchaca (by J. A. Hinman in 1897)	
Oak Hill, 0.8 mi. W. of, 5.5 mi. E. of Cedar Valley, at junction of Bee Caves and Cedar Valley rds., in fence corner; iron post stamped "839" ¹⁴ -----	831. 741
Cedar Valley, at junction of Dripping Springs and Johnson City rds.; iron post stamped "1085" (recovered by U. S. C. & G. S. in 1934)-----	1, 077. 649
Cedar Valley, 8.6 mi. SE. of, 2.6 mi. N. and 2.0 mi. W. from Manchaca, at intersection of Cedar Valley-Manchaca and Mountain City-Oak Hill rds.; iron post stamped "781"-----	775. 584
From Austin along highway southwest to State Highway 29, thence southeast into Austin No. 4 quadrangle (by I. F. Hazelwood in 1924)	
Austin, 60 ft. E. of junction of Congress Avenue and Burlson rd., in NW. corner of yard, in root on W. side of 24-in. live-oak tree; copper nail and washer-----	589. 34
Austin, 3.0 mi. S. and 1.1 mi. W. from capitol, 30 ft. N. and 40 ft. E. from junction of State Highway 2 (M. H. Trail) and rd. SE. to St. Edwards College, 4 ft. E. of fence corner, set in concrete; iron post stamped "H 39 1924" ¹⁵ -----	626. 869
Reference mark, 12 ft. S. and 15 ft. W. from tablet, on top of N. end of concrete culvert; chiseled square-----	622. 83
Austin, 3.4 mi. S. and 1.4 mi. W. from, 120 ft. S. of R. R. spur switch, 20 ft. S. and 28 ft. W. from junction of T-rd. W., 2 ft. S. of NE. fence corner, set in concrete; iron pipe-----	662. 28
Austin, 3.8 mi. S. and 1.8 mi. W. from, at junction of T-rd. E. to Elroy, at SE. fence corner, on limestone rock; chiseled square-----	651. 79
Austin, 4.5 mi. S. and 1.8 mi. W. from, at center of bridge over Williamson Creek, on E. wing; chiseled square-----	581. 21
Austin, 4.0 mi. S. and 1.2 mi. W. from, at old ford across Williamson Creek, in center of creek bed, on bedrock; chiseled square-----	557. 35
Austin, 5.5 mi. S. and 1.9 mi. W. from, on State Highway 29, on E. wing of concrete culvert; chiseled square-----	625. 92
Austin, 5.9 mi. S. and 1.7 mi. W. from, 2.3 mi. N. of Bluff Springs, 100 ft. W. of rd. junction, on S. side of rd., 1 ft. N. of fence line, set in concrete; iron post stamped "H 40 1924"-----	667. 871
Reference mark, 13 ft. W. of iron post, in root on N. side of 28-in. live-oak tree; copper nail and washer-----	667. 23
Bluff Springs, 1.6 mi. N. of, at junction of T-rd. E., 15 ft. NE. of SW. corner of field, on N. side of rd. E., in S. fence line, in root on SE. side of 5-in. hackberry tree; copper nail and washer-----	644. 63

¹³ In 1936 this bench mark was reported destroyed.

¹⁴ This bench mark was reset in 1925 and restamped "H 3 1925." See p. 265.

¹⁵ In 1933 this bench mark was moved to a point 10 feet south of south side of road and 3 feet west of east right-of-way line of highway, and was reset 1.445 feet higher than its original elevation. The figures given represent the new elevation.

264 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Bluff Springs, 0.9 mi. N. of, at iron bridge over creek, on top of NW. concrete abutment; chiseled square.....	<i>Feet</i> 559. 87
Bluff Springs, 0.2 mi. N. of, 100 ft. S. and 30 ft. W. from rd. junction, in W. fence line, in root on NE. side of 30-in. live-oak tree; copper nail and washer.....	554. 30
Bluff Springs, about 130 ft. S. of crossroads, on W. side of rd., at service sta., at base of gasoline pump; chiseled square.....	572. 33
Bluff Springs, 0.4 mi. SE. of, near junction of T-rd. NW., 4 ft. S. and 1 ft. W. from SW. fence corner, set in concrete; iron post stamped "H 41 1924".....	600. 543
Reference mark, 70 ft. along fence line NW. of iron post, in root on SE. side of 4-in. mesquite tree; copper nail and washer.....	599. 24
Bluff Springs, 0.9 mi. SE. of, 3.0 mi. NW. of schoolhouse at Carl, 120 ft. N. of junction of T-rd. SW., on NE. side of rd., on top of concrete culvert; chiseled square.....	659. 45
Carl, 2.0 mi. NW. of, on S. side of rd., on top of concrete culvert; chiseled square.....	635. 48
From Austin southwest and west along roads to road junction 0.8 mile west of Oak Hill (by I. F. Hazelwood in 1925)	
Austin, 35 ft. S. and 65 ft. W. from intersection of Congress Avenue and Mary Street, in root on W. side of 20-in. maple tree; copper nail and washer.....	567. 27
Austin, 1.1 mi. SW. of Texas School for the Deaf at, 80 ft. S. and 52 ft. E. from crossroads, in root on NE. side of two-trunked 20-in. live-oak tree; copper nail and washer.....	553. 53
Austin, 1.3 mi. SW. of, 30 ft. S. and 12 ft. W. from junction of T-rd. E.; on W. side of rd., on top of concrete culvert; chiseled square....	531. 42
Austin, 1.8 mi. SW. of, 55 ft. N. and 40 ft. W. from junction of rd. N., in SW. fence corner, set in concrete; iron post stamped "H 1 1925" ¹⁶	(17)
Austin, 2.2 mi. SW. of, 28 ft. S. and 20 ft. E. from junction of rd. N., in root on N. side of 18-in. hackberry tree; copper nail and washer..	619. 20
Austin, 2.5 mi. SW. of, 5.2 mi. E. of Oak Hill, 10 ft. S. and 60 ft. W. from junction of T-rd. S., on S. side of rd., on top of concrete culvert; chiseled square.....	662. 97
Oak Hill, 3.8 mi. E. of, 50 ft. S. and 45 ft. W. from junction of T-rd. SE., in root on E. side of 20-in. live-oak tree; copper nail and washer.....	689. 57
Oak Hill, 2.6 mi. E. of, in SW. corner of junction of T-rd. SE., in fence corner, set in concrete; iron post stamped "H 2 1925".....	(17)
Reference mark, 60 ft. N. and 80 ft. E. from junction of T-rd. SE., on S. side of rd., on top of concrete culvert; chiseled square.....	704. 14
Oak Hill, 2.3 mi. E. of, 180 ft. E. of junction of lane S., on top of N. end of concrete culvert; chiseled square.....	720. 47
Oak Hill, 1.0 mi. E. of, 300 ft. E. of bend in rd. to S., on N. end of concrete culvert; chiseled square.....	759. 52
Oak Hill, 4 ft. S. and 6 ft. E. from front door of general store of J. A. Patton, on top of concrete curb; chiseled square.....	806. 59

¹⁶ In 1938 this bench mark was reported destroyed.

¹⁷ Elevation not determined.

Oak Hill, 0.8 mi. W. of, 57 ft. N. of highway, 37 ft. W. of center line of rd. NW. to Bee Caves, in SE. corner of field, 7 ft. E. of fence, 27 ft. W. of lone live-oak tree, set in concrete; iron post stamped "H 3 1925" ¹⁸ (recovered in 1930; also recovered by U. S. C. & G. S. in 1934) -----	Feet 832. 466
Reference mark, 20 ft. E. of iron post, in root on S. side of 42-in. oak tree; copper nail and washer -----	832. 16

From Oak Hill along road generally south 3.3 miles (by I. F. Hazelwood in 1925; single spur line)

Oak Hill, 0.9 mi. SE. of, 0.8 mi. N. of ranch house of W. L. Beckett, at bend in rd. to E., 25 ft. W. of junction of private rd. SE., in root on N. side of 8-in. cedar tree; copper nail and washer -----	773. 35
Oak Hill, 2.7 mi. SE. of, at ranch of W. L. Beckett, 30 ft. S. and 75 ft. E. from SE. corner of ranch house, in root on W. side of 13-in. hackberry tree; copper nail and washer -----	762. 30
Oak Hill, 3.3 mi. by rd. S. of, on Barker ranch, in NE. angle of cross-roads, in SW. corner of field, set in concrete; iron post stamped "H 4 1925" -----	798. 500

From Austin along roads southwest and west to road junction 0.8 mile west of Oak Hill, thence northwest into Mount Bonnell quadrangle (by E. E. Harris in 1930)

Austin, 0.8 mi. SW. of highway bridge over Colorado River at, in SE. corner of junction of Austin-Fredericksburg rd. and rd. W. to Barton Springs, near NW. corner of concrete driveway of service sta., 13 ft. from face of building; chiseled square -----	452. 03
Austin, 1.7 mi. SW. of, on S. side of angle in highway from S. to W.; at junction of rd. E., 14 ft. NW. of stone building, in rd. ditch, in rock ledge; standard tablet stamped "H 94 1930" -----	532. 568
Reference mark, 127 ft. W. of tablet, on rock ledge, about 3 ft. above rd. level; chiseled square -----	542. 61
Austin, 2.4 mi. SW. of, 4.9 mi. E. of Oak Hill, in N-W. corner of cross-roads, on limestone ledge; chiseled square -----	623. 27
Oak Hill, 3.8 mi. E. of, on N. side of angle in rd., in root on E. side of prominent live-oak tree; copper nail and washer -----	698. 08
Oak Hill, 2.7 mi. E. of, 20 ft. N. of center line of rd., about 10 ft. W. of driveway N. to house, 2 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "H 95 1930" -----	687. 585
Reference mark, 263 ft. E. of tablet; in root on N. side of 30-in. elm tree; copper nail and washer -----	688. 56
Oak Hill, 1.4 mi. E. of, on N. side of rd., 185 ft. E. of junction of rd. S., in center of top of head wall of concrete culvert; chiseled square -----	720. 40
Oak Hill, 0.5 mi. E. of, on N. side of angle in rd., in center of top of head wall of concrete culvert; chiseled square -----	759. 41
Oak Hill, on N. side of rd., at summit of grade, near fence corner, in root on S. side of 18-in. elm tree; copper nail and washer -----	817. 27
Oak Hill, 0.8 mi. W., thence 1.1 mi. NW. from, on E. side of angle in rd.; in dry creek, on bedrock; chiseled square -----	896. 94

¹⁸ This mark replaces the bench mark stamped "839" and previously described. See p. 263.

AUSTIN NO. 4 QUADRANGLE

[Latitude 30°00'–30°15'; longitude 97°30'–97°45']

BASTROP, CALDWELL, HAYS, AND TRAVIS COUNTIES

From Bastrop No. 3 quadrangle at point 1.5 miles northeast of Caldwell along roads west and southwest to Creedmoor, thence northwest about 1 mile into Austin No. 3 quadrangle (by J. A. Binman in 1896)

	<i>Feet</i>
Texas Hill triangulation sta., 2.3 mi. SW. of Elysium; iron post stamped "608"-----	602. 720
Creedmoor, 5.7 mi. NE. of, 1.0 mi. E. of Pilot Knob, 3.8 mi. SW. of Cedar Creek-Austin rd., at junction of Creedmoor rd. and Luling-Austin rd., in fence corner; iron post stamped "534"-----	529. 301
Creedmoor, at junction of Creedmoor-Austin and Creedmoor-Manchaca rds., in SW. corner of field fence; iron post stamped "637"-----	631. 796
<p>From Austin No. 3 quadrangle along State Highway 29 and other roads alternately southeast and northeast to point 8.8 miles south of Delvalle, thence generally north and northwest by way of Delvalle and Montopolis into Austin No. 1 quadrangle (by I. F. Hazelwood in 1924-25)</p>	
Carl, 0.9 mi. along State Highway 29 NW. of, at junction of private rd. N., on W. side of rd., on top of concrete culvert; chiseled square-----	656. 60
Carl, at NW. corner of T-rd. S. in NE. corner of yard of Carl School, set in 14 in. of concrete; iron post stamped "H 42 1924"-----	703. 404
Reference mark, 23 ft. N. of rd. junction, 1 ft. N. of fence line, in root on S. side of 12-in. twin mesquite tree; copper nail and washer-----	700. 50
Carl, 1.2 mi. SE. of, on S. side of rd., in center of top of concrete culvert; chiseled square-----	640. 50
Carl, 1.5 mi. SE. of, at junction of NE.-SW. rd., 4 ft. SE. of E. fence line, in root on E. side of 20-in. hackberry tree; copper nail and washer-----	613. 73
Carl, 1.5 mi. SE., thence 1.0 mi. NE. from, on W. side of rd., on top of concrete culvert; chiseled square-----	573. 36
Carl, 0.6 mi. N. and 2.0 mi. E. from, at junction of T-rd. N., at NE. corner of field, set in concrete; iron post stamped "H 43 1924"-----	575. 079
Reference mark, 10 ft. N. of iron post, driven 2.5 ft. into ground and cemented around top; 1½-in. galvanized pipe with cap-----	574. 14
Carl, 0.4 mi. N. and 2.5 mi. E. from, at residence on N. side of rd., 10 ft. W. of SW. corner of yard, in root on N. side of 10-in. mesquite tree; copper nail and washer-----	638. 48
Carl, 3.2 mi. in air line E. of, about 25 ft. E. of junction of T-rd. W., 1 ft. W. of fence line, driven 2.5 ft. into ground and set in concrete; 1½-in. galvanized pipe-----	624. 30
Carl, 0.5 mi. N. and 3.5 mi. E. from, in SW. corner of cemetery, in root on W. side of 8-in. mesquite tree; copper nail and washer-----	612. 09
Carl, 1.1 mi. N. and 3.0 mi. E. from, 40 ft. W. of junction of T-rd. W., 1 ft. E. of fence line, set in concrete; iron post stamped "H 44 1924"-----	524. 013
Reference mark, 75 ft. S. and 45 ft. E. from rd. junction, in root on E. side of 10-in. hackberry tree; copper nail and washer-----	524. 82
Carl, 0.8 mi. N. and 4.5 mi. E. from, on S. side of rd., at junction of private lane S., 1 ft. W. of fence corner, set in concrete; 1¾-in. galvanized pipe with cap-----	545. 09
Carl, 0.6 mi. N. and 4.8 mi. E. from, 28 ft. S. of junction of T-rd. S., in W. corner of rd., at fence corner, driven 2.5 ft. into ground and set in concrete; 1¾-in. galvanized pipe with cap-----	533. 36

	<i>Feet</i>
Carl, about 5 mi. in air line E. of, 8.8 mi. by rd. S. of Delvalle, 170 ft. E. of junction of T-rd. N., in root on N. side of 7-in. mesquite tree; copper nail and washer-----	553. 02
Delvalle, 8.0 mi. by rd. S. of, 400 ft. NE. of old church, on E. side of rd., at summit of hill, in front of residence of M. J. Smith, 1 ft. W. of fence corner, set in concrete; iron post stamped "H 45 1924"-----	592. 165
Reference mark, 150 ft. N. of iron post, 40 ft. E. of fence line, in root on W. side of 8-in. twin mesquite tree; copper nail and washer-----	589. 03
Delvalle, 3.2 mi. SE., thence 3.4 mi. SW. from, 40 ft. S. and 25 ft. E. from crossroads, on N. side of 6-in. hackberry tree; copper nail and washer-----	484. 19
Delvalle, 3.2 mi. SE., thence 2.5 mi. SW. from, on W. side of rd., 55 ft. N. of SE. corner of field, near fence, in root of 4-in. mesquite tree; copper nail and washer-----	490. 10
Delvalle, 3.2 mi. SE., thence 1.6 mi. SW. from, in NE. corner of yard of Dry Creek School, 1.5 ft. W. of fence corner, set in concrete; iron post stamped "H 46 1924"-----	482. 662
Reference mark, 26 ft. S. and 12 ft. W. from iron post, in root on E. side of 12-in. mesquite tree; copper nail and washer-----	481. 93
Delvalle, 3.2 mi. SE., thence 0.8 mi. SW. from, 20 ft. S. of center of rd. corner, in S. fence line, in root on N. side of 10-in. mesquite tree; copper nail and washer-----	481. 69
Delvalle, 3.2 mi. SE. of, 140 ft. along E. fence line N. of junction of NW.-SE. rd., in 8-in. mesquite tree; copper nail and washer-----	502. 65
Delvalle, 2.0 mi. SE. of, E. of Onion Creek, at rd. junction, in field, near fence corner, set in concrete; iron post stamped "H 47 1924" ²⁰ -----	447. 163
Reference mark, in NW. fence corner, in root on W. side of 12-in. elm tree; 5/8-in. lag screw ²¹ -----	447. 41
Delvalle, 1.0 mi. SE. of, 120 ft. N. of junction of T-rd. NE., in root on NE. side of 36-in. chinaberry tree; copper nail and washer-----	465. 76
Delvalle, 80 ft. E. of junction of T-rd. SW., in front of Burch store, on SW. corner of concrete base of gasoline pump platform; chiseled square-----	491. 05
Delvalle, 1.2 mi. along State Highway 3 NW. of, in S. angle of junction of T-rd. SW., 1 ft. N. of NE. corner of field, set in concrete; iron post stamped "H 48 1924"-----	524. 205
Delvalle, 1.8 mi. NW. of, 30 ft. E. of center of crossroads, in root on N. side of 7-in. hackberry tree; copper nail and washer-----	485. 51
Delvalle, 2.3 mi. in air line N. of, 6.5 mi. SE. of old post office at Austin, in NW. angle of T-rd. W., 4 ft. N. of fence corner, in top of 1 1/4-in. galvanized pipe driven 2.5 ft. into ground and set in concrete; copper nail and washer-----	443. 32
Austin, 5.5 mi. SE. of, 75 ft. W. of junction of rd. SE., 1 ft. S. of fence line, on N. side of rd., set in concrete; iron post stamped "H 49 1924"-----	452. 180
Reference mark, 25 ft. W. of iron post, in fence line, set in concrete; 1 1/4-in. galvanized pipe-----	452. 35
Austin, 4.5 mi. SE. of, at Montopolis, at SE. corner of bridge across Colorado River, on top of rock pier; chiseled square-----	452. 86
Colorado River; surface of water Jan. 2, 1925-----	408. 0

²⁰ In 1940 this mark was destroyed and a new bench mark was set 75 feet east of this site and 2.155 feet lower than the original elevation. The figures given represent the new elevation.

The new description reads: "Delvalle, 2.0 mi. SE. of, E. of Onion Creek, at junction of rd. SE., in field, 13 ft. S. of E.-W. fence, 17 ft. E. of N.-S. fence, in concrete post; standard tablet stamped '47 H 1924 Reset 1940.'"

²¹ Established in 1940.

BAIRD NO. 4 QUADRANGLE

[Latitude 32°00'–32°15'; longitude 99°00'–99°15']

BROWN, CALLAHAN, COLEMAN, AND EASTLAND COUNTIES

From Grosvenor quadrangle at point about 10 miles northeast of Grosvenor along roads generally northeast into Eastland No. 3 quadrangle at point about 5.2 miles southwest of Rising Star (by T. A. Green in 1923)

Grosvenor, 10.1 mi. NE. of, 2.3 mi. NE. of Pecan Bayou, on S. side of rd., in hub on base of leaning mesquite tree; copper nail and washer.....	1, 537. 24
Grosvenor, 10.9 mi. NE. of, 30 ft. NW. of junction of main rd. from Crosscut to Byrds, on sharp sandstone rock set vertically (looks like milestone); highest point.....	1, 557. 90
Grosvenor, 11.2 mi. NE. of, 40 ft. W. of rd., 690 ft. S. of T-rd. W. and house of G. B. Gaines, in flat sandstone rock; standard tablet stamped "Prim Trav Sta No 40 T 1923 G 25".....	1, 544. 929
Grosvenor, 12.1 mi. NE. of, 0.8 mi. NE. of house of G. B. Gaines, 250 ft. SW. of Newton oil well, in hub on base of old oak tree; copper nail and washer.....	1, 544. 65
Grosvenor, 13.5 mi. NE. of, 2.2 mi. E. of Crosscut, 50 ft. E. of junction of Crosscut-Blake rd., on S. side of rd., at fence line, on flat limestone rock, flush with ground; chiseled square.....	1, 545. 46
Crosscut, 2.5 mi. E. of, 21 ft. S. and 21 ft. E. from crossroads, in corner of pasture owned by John Newton, 10 ft. S. of telephone pole, 3 ft. E. of fence line; in limestone rock, flush with ground; standard tablet stamped "Prim Trav Sta No 41 T 1923..Texas G 26".....	1, 543. 708
Reference mark, 120 ft. E. of tablet, 120 ft. due S. of house of T. R. Arledge, in root of post-oak tree; copper nail and washer.....	1, 545. 28
Crosscut, 3.8 mi. E. of, 15 ft. N. of center line of Crosscut-Blake rd., 40 ft. SW. of house of W. M. Armstrong, in root of post-oak tree; copper nail and washer.....	1, 544. 02
Crosscut, 4.7 mi. E. of, 1.3 mi. W. of Blake Methodist Church, on N. side of Crosscut-Blake rd., 9 ft. S. of fence line, on flat limestone rock; chiseled square.....	1, 605. 55
Crosscut, 5.7 mi. E. of, 1.0 mi. N., thence 0.4 mi. W. from Blake, on Crosscut-Blake rd., 0.3 mi. W. of Methodist Church, in SE. corner of junction of T-rd. S., on flat limestone rock; highest point.....	1, 610. 78
Blake, 1.0 mi. N. of, 25 ft. SW. of crossroads, 508 ft. E. of Blake Methodist Church, on land of B. F. Dunn, in fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 42 T 1923 G 27" ²²	1, 580. 560
Reference mark, 65 ft. NE. of tablet, in NE. corner of crossroads, in hub on base of Spanish-oak tree; copper nail and washer.....	1, 579. 89
Blake, 2.0 mi. N. of, 30 ft. NW. of junction of E.-W. rd., at junction of field rd. N., 2 ft. NW. of E. gatepost, on limestone rock; chiseled square.....	1, 615. 74
Blake, 2.0 mi. N., thence 1.1 mi. E. from, 7.2 mi. SW. of Rising Star, 40 ft. N. of rd., 60 ft. NE. of mail box of W. M. Inglet, opposite mail box of J. W. Maples, in hub on root of post-oak tree; copper nail and washer.....	1, 628. 54

²² In 1939 this bench mark was reported destroyed.

From Grosvenor quadrangle at point 3 miles southeast of Blake along roads northwest and north to point 1 mile north of Blake (by G. F. Williams in 1924)

Blake, 2.6 mi. SE. of, 60 ft. SW. of junction of lane E., 20 ft. W. of rd., 250 ft. SE. of SW. corner of fence around yard of farmhouse at turn in rd. to W., 8 ft. outside fence line, on large sandstone boulder; chiseled bench.....	Feet 1, 579. 21
Blake, 1.9 mi. SE. of, 0.25 mi. NW. of Lost Creek School, at bend in Rising Star-May. rd. to E., 36 ft. E. of fence intersection, 34 ft. S. and 3 ft. W. from corner telephone pole, on S. side of rd., 1.5 ft. inside fence line, in limestone outcrop, flush with ground; standard tablet stamped "Prim Trav Sta No 43 T 1923 Texas W 10".....	1, 571. 179
Reference mark, 170 ft. E. of tablet, 10 ft. N. of fence line, on S. side of rd., on conglomerate sandstone rock; chiseled bench.....	1, 575. 47
Blake, 0.9 mi. E. of, in SE. corner of crossroads, at fence corner, in root on W. side of 12-in. oak tree; copper nail and washer.....	1, 557. 31

BALLINGER NO. 1 QUADRANGLE

[Latitude 31°45'-32°00'; longitude 99°30'-99°45']

COLEMAN AND RUNNELS COUNTIES

From Ballinger No. 2 quadrangle generally east along Gulf, Colorado & Santa Fe Railway into Coleman No. 2 quadrangle (by T. A. Green in 1923)

Benoit, 6.6 mi. E. of, 1.2 mi. W. of Talpa, 1,000 ft. W. of milepost 22, 100 ft. N. of track; 30 ft. N. of center line of rd., in flat rock in place; standard tablet stamped "G 5 1923".....	1, 902. 774
Reference mark, 290 ft. W. of milepost 22, on N. side of track, on NW. corner of E. concrete abutment of R. R. trestle 22-A; level surface.....	1, 901. 26
Talpa, 0.6 mi. W. of, at Coleman-Runnels county line, opposite signpost; top of S. rail.....	1, 926. 9
Talpa, 250 ft. W. of sta., 20 ft. S. of track, 100 ft. W. of milepost 21; top of steel rail set vertically.....	1, 954. 41
Talpa, in front of sta.; top of S. rail of main track.....	1, 954. 2
Talpa, 1.0 mi. E. of, on N. side of track, opposite milepost 20; top of steel rail set vertically.....	1, 957. 54
Talpa, 1.8 mi. E. of, 700 ft. W. of milepost 19, 40 ft. N. of track, 50 ft. S. of center line of rd., 10 ft. S. of fence line, in sandstone rock; standard tablet stamped "G 6 1923" (recovered by U. S. C. & G. S. in 1935).....	1, 967. 946
Talpa, 5.0 mi. E. of, 4.6 mi. W. of Valera, 600 ft. E. of rd. crossing, 110 ft. N. of milepost 16, 80 ft. N. of track, on S. side of rd., on S. side of concrete bridge, in concrete post; standard tablet stamped "G 7 1923" (recovered by U. S. C. & G. S. in 1935).....	1, 970. 229
Valera, 2.6 mi. W. of, on N. side of track, 75 ft. NE. of milepost 14; top of steel rail set vertically.....	1, 935. 10
Valera, 1.6 mi. W. of, 200 ft. NE. of milepost 13, 40 ft. N. of track, 60 ft. E. of stream running S., 40 ft. NE. of NE. corner of R. R. trestle 12-E, in rock ledge; standard tablet stamped "G 8 1923" (recovered by U. S. C. & G. S. in 1935).....	1, 868. 241
Reference mark, 150 ft. SW. of tablet, on W. side of creek, on N. side of track; top of steel rail set vertically.....	1, 867. 81
Valera, in front of sta.; top of rail of main track.....	1, 795. 2
Valera, 0.5 mi. E. of, 90 ft. NW. of milepost 11, on N. side of track; top of steel rail set vertically.....	1, 788. 30

270 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Valera, 1.4 mi. E. of, 800 ft. W. of milepost 10, 40 ft. N. of track, opposite center of curve, at edge of right-of-way, at fence line, 30 ft. W. of clump of live-oak trees, in large flat rock; standard tablet stamped "G 9 1923"-----	Feet 1, 760. 495
Reference mark, 800 ft. E. of tablet, 70 ft. S. of track, 40 ft. S. of milepost 10, 25 ft. SW. of iron gate, in hub on double-pronged mesquite tree; copper nail and washer-----	1, 743. 10

From point on Gulf, Colorado & Santa Fe Railway 0.5 mile east of Valera west 0.2 mile, thence south along road into Paint Rock quadrangle (by A. P. Meade in 1923)

Valera, 0.1 mi. S. of, at concrete bridge over Buck Creek, on E. wall, 35 ft. from S. end; chiseled square-----	1, 783. 50
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BALLINGER NO. 2 QUADRANGLE

[Latitude 31°45'-32°00'; longitude 99°45'-100°00']

RUNNELS COUNTY

From Maverick quadrangle southeast along Ballinger-Bronte road into Paint Rock quadrangle (by C. E. Fulmer in 1921)

Ballinger, 3.3 mi. NW. of, on E. side of rd., opposite rd. W., 1,000 ft. E. of drain, in concrete post; standard tablet stamped "1921 Texas 1763"-----	1, 762. 350
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From Paint Rock quadrangle northeast and east along Gulf, Colorado & Santa Fe Railway into Ballinger No. 1 quadrangle (by T. A. Green in 1933)

Ballinger, 5.0 mi. NE. of, opposite milepost 32; top of S. rail-----	1, 733. 9
Ballinger, 6.0 mi. NE. of, 2.3 mi. W. of Benoit, at milepost 31, at rd. crossing, near junction of T-rd. S., 40 ft. N. of track, in fence corner, in concrete post; standard tablet stamped "G 2 1923" (recovered by U. S. C. & G. S. in 1935)-----	1, 717. 139
Reference mark, 540 ft. E. of tablet, 50 ft. S. of track, 30 ft. SE. of iron gate, in hub in crotch of twin mesquite tree; copper nail and washer-----	1, 724. 76
Benoit, 1.4 mi. W. of, 800 ft. E. of milepost 30, at end of cut, on N. side of track; top of iron rail set vertically-----	1, 757. 79
Benoit, 0.3 mi. W. of sta., 150 ft. W. of milepost 29, 40 ft. S. of track, on E. side of private rd. S., at iron gate, on sandstone rock; chiseled square-----	1, 713. 95
Benoit, in front of sta.; top of S. rail of main track-----	1, 720. 6
Benoit, 0.3 mi. NE. of sta., 900 ft. SW. of rd. crossing, 40 ft. N. of track, 35 ft. S. of center line of rd., 3 ft. inside fence line, in large flat sandstone outcrop; standard tablet stamped "G 3 1923" (recovered by U. S. C. & G. S. in 1935)-----	1, 725. 571
Benoit, 1.7 mi. NE. of, 100 ft. SE. of milepost 27, 50 ft. S. of track, 20 ft. S. of fence, in hub on mesquite tree; copper nail and washer--	1, 776. 31
Benoit, 2.7 mi. NE. of, at rd. crossing, at milepost 26, 6 ft. N. of track, on E. side of rd.; top of steel rail set vertically-----	1, 772. 68
Benoit, 3.8 mi. NE. of, 400 ft. E. of milepost 25, 90 ft. N. of track, on N. side of rd., 100 ft. E. of gate, in rock outcrop; standard tablet stamped "G 4 1923"-----	1, 802. 223

BASTROP NO. 1 QUADRANGLE

[Latitude 30°15'–30°30'; longitude 97°00'–97°15']

BASTROP, LEE, MILAM, AND WILLIAMSON COUNTIES

From Bastrop No. 2 quadrangle southeast along Houston & Texas Central Railroad ²³ into Bastrop No. 4 quadrangle (by J. A. Hinman in 1897; releveled from McDade by Thomas Winsor in 1898)

McDade, 50 ft. N. of NE. corner of passenger sta.; iron post stamped "568 SA" (recovered by U. S. C. & G. S. in 1938)-----	Feet 560. 248
McDade, 2.0 mi. SE. of, 250 ft. SE. of crossing of McDade-Paige rd., in top of masonry wall around SW. end of 24-in. pipe culvert; copper bolt stamped "588 SA"-----	580. 879

From Dime Box quadrangle northwest along San Antonio & Aransas Pass Railroad ²⁴ to Lexington, thence along roads southwest by way of Fedor into Bastrop No. 4 quadrangle at point 3 miles north of Paige (by J. A. Hinman in 1897)

Lexington, 0.5 mi. E. of sta., 45 ft. S. of crossing of Giddings-Lexington public rd.; iron post stamped "465 SA" ²⁵ -----	457. 418
Lexington, 1.5 mi. SW. of, 35 ft. SW. of intersection of rd. connecting Lexington-Fedor and Lexington-McDade rds.; iron post stamped "402 SA" ²⁵ -----	394. 392
Lexington, 4.2 mi. SW. of, 3.8 mi. NE. of Fedor, abt at 0.4 mi. S. of crossing of Middle Yegua Creek, 70 ft. S. of junction of Lexington-Fedor rd. and Giddings upper rd.; iron post stamped "368 SA"-----	360. 408
Fedor, 1,000 ft. N. of store, 50 ft. S. of junction of Fedor-Austin rd.; iron post stamped "424 SA"-----	416. 406
Fedor, 2.3 mi. SW. of, 0.3 mi. N. of West Yegua Creek, at junction of Giddings-Taylor rd.; iron post stamped "453 SA"-----	445. 201
Fedor, 6.8 mi. SW. of, 3.5 mi. N. of Paige, 40 ft. NE. of rd. junction, at gate; iron post stamped "520 SA"-----	512. 262
Paige, 3.1 mi. N. of, 65 ft. NE. of junction of upper Lexington rd. and Paige-Darden Springs rd.; iron post stamped "531 SA"-----	523. 398

From point 3.1 miles north of Paige along roads generally north by way of Darden Springs to Center Point, thence east to point 2 miles west of Lexington, thence northwest and west into Bastrop No. 2 quadrangle at point 0.7 mile west of Beaukiss (by Thomas Winsor in 1898)

Paige, 6.3 mi. N. of, 2.0 mi. S. of Darden Springs, just N. of Bastrop-Lee county line, at junction of settlement rd. SW.; iron post stamped "498 SA"-----	490. 237
Darden Springs, on S. side of rd., opposite point where rd. turns N., 8 ft. E. of E. gatepost on property of Dr. Darden; iron post stamped "444 SA"-----	436. 128
Darden Springs, 2.0 mi. N. of, 0.5 mi. W., thence 4.0 mi. S. from Center Point Chapel, at junction of settlement rd.; iron post stamped "499 SA"-----	491. 076
Center Point Chapel, 0.5 mi. W., thence 1.9 mi. S. from, 2.0 mi. SE. of Blue, at junction of Taylor-Giddings rd. and private rd. SE., 25 ft. N. of mileboard marked "Giddings 18 mi."; iron post stamped "511 SA"-----	503. 051

²³ Formerly the Austin & Northwestern R. R.; now part of the Texas & New Orleans Division of the Southern Pacific Co.

²⁴ Now part of the Texas & New Orleans Division of the Southern Pacific Co.

²⁵ In 1937 this bench mark was reported destroyed.

	<i>Feet</i>
Center Point Chapel, 0.5 mi. W. of, 1.0 mi. E. of Blue, at SW. corner of rd. junction; iron post stamped "487 SA"-----	479. 115
Center Point Chapel, 3.3 mi. E. of, 4.4 mi. W. of Lexington, at junction of settlement rd. S., on S. side of rd., 10 ft. E. of corner of wire fence; iron post stamped "397 SA"-----	389. 067
Lexington, 2.0 mi. W. of, at junction of Austin-Lexington and Taylor-Georgetown rds., 50 ft. W. of post-oak tree used as milepost; iron post stamped "464 SA"-----	456. 015
Lexington, 5.5 mi. NW. of, 3.8 mi. SE. of Florence School, at junction of Taylor-Georgetown rd. and Rockdale rd., 40 ft. NE. of 4-in. post-oak tree used as guidepost; iron post stamped "471 SA"-----	462. 923
Florence School, 0.5 mi. E. of, at junction of Taylor-Georgetown rd. and Beaukiss "cut-off" rd., 500 ft. SW. of intersection of Elgin-Lexington rd.; iron post stamped "469 SA"-----	460. 806
Florence School, 2.5 mi. W. of, 4.5 mi. E. of Beaukiss, at junction of Elgin-Lexington rd. and cross rd. to Taylor-Georgetown rd., 125 ft. E. of right-angle turn in rd. from W. to S.; iron post stamped "472 SA"-----	464. 141
Beaukiss, 2.3 mi. E. of, at W. junction of Elgin-Lexington rd. and Taylor-Giddings rd., 5 ft. SW. of milepost marked "14 mi. to Elgin," near SE. fence line; iron post stamped "551 SA"-----	543. 098
Beaukiss, 25 ft. E. of SE. corner of Oliver general store and post office, on N. side of Elgin-Lexington rd.; iron post stamped "502 SA"-----	494. 161

BASTROP NO. 2 QUADRANGLE

[Latitude 30°15'-30°30'; longitude 97°15'-97°30']

BASTROP, LEE, TRAVIS, AND WILLIAMSON COUNTIES

From Bastrop No. 3 quadrangle northwest along Missouri-Kansas-Texas Railroad to Elgin, thence southeast along Houston & Texas Central Railroad²⁶ into Bastrop No. 1 quadrangle (by J. A. Hinman in 1897)

Sayersville, 2.0 mi. N. of, 6.8 mi. S. of Elgin, 650 ft. N. of head block of Cary Lacier coal mine spur, at rd. crossing, 35 ft. W. of center line of track; iron post stamped "468 SA"-----	460. 197
Elgin, 2.5 mi. S. of, at Bastrop-Elgin rd. crossing, 20 ft. W. of center line of track, 15 ft. NE. of SW. corner of right-of-way fence; iron post stamped "530 SA"-----	522. 194
Elgin, at Union Passenger Sta., 7 ft. E. of SE. corner of small park, 115 ft. E. of intersection of Missouri-Kansas-Texas R. R. and Houston & Texas Central R. R., 20 ft. N. of H. & T. C. R. R. main tracks; iron post stamped "576 SA" (recovered by U. S. C. & G. S. in 1938)---	568. 122
Elgin, 1.8 mi. SE. of, at crossing of Elgin-McDade rd., 15 ft. W. of NW. corner of right-of-way fence, 5 ft. NW. of 18-in. post-oak tree at lane intersection; iron post stamped "566 SA"-----	558. 068
Elgin, 4.5 mi. SE. of, 5.1 mi. NW. of McDade, 650 ft. E. of section house 13, 100 ft. S. of R. R. at intersection of settlement rd. with Elgin-McDade rd.; iron post stamped "517 SA" (recovered by U. S. C. & G. S. in 1938)-----	509. 330

From Bastrop No. 3 quadrangle at point 2.3 miles northeast of Sayersville along roads northeast into Bastrop No. 1 quadrangle at point about 1 mile west of McDade (by Thomas Winsor in 1898)

Sayersville, 3.4 mi. NE. of, 4.5 mi. SW. of McDade, at junction of McDade-Sayersville rd. and Elgin rd., 250 ft. W. of small bridge over ravine, on N. side of rd.; iron post stamped "514 SA"-----	506. 315
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²⁶ Formerly the Austin & Northwestern R. R.; now part of the Texas & New Orleans Division of the Southern Pacific Co.

McDade, 2.0 mi. W. of, on E. side of McDade-Sayersville rd., at bend, opposite wire fence corner; iron post stamped "504 SA" ----- Feet
496. 296

From Bastrop No. 1 quadrangle at point 0.7 mile west of Beukiss southwest along Elgin-Lexington road to Elgin (by Thomas Winsor in 1898)

Beukiss, 3.2 mi. SW. of, 8 ft. E. of SE. corner of rd. junction, 200 ft. SE. of Siloam School; iron post stamped "497 SA" ----- 489. 083

Beukiss, 6.0 mi. SW. of, 6.0 mi. NE. of Elgin, at junction of Elgin-Lexington rd. and rd. to Taylor, 10 ft. SW. of fence corner; iron post stamped "589 SA" ----- 581. 213

Elgin, 3.0 mi. NE. of, at junction of rd. E., 500 ft. E. of Redtown School, 3 ft. S. of SE. fence corner; iron post stamped "573 SA" -- 565. 227

From Elgin north along Missouri-Kansas-Texas Railroad to Coupland, thence along roads northwest to Rices Crossing, thence alternately southwest and southeast to Littig, thence along Houston & Texas Central Railroad northeast to Elgin (by Thomas Winsor in 1898)

Coupland, in front of sta., 5.4 mi. SE. of Rices Crossing, 50 ft. E. of main track, 5 ft. E. of SW. corner of fence enclosing yard of section house; iron post stamped "526 SA" (recovered by U. S. C. & G. S. in 1938) ----- 517. 361

Rices Crossing, at SE. corner of crossroads, 150 ft. SW. of schoolhouse; iron post stamped "556 SA" ----- 547. 313

Rices Crossing, 4.0 mi. SW. of, 1.0 mi. NE., thence 2.2 mi. NW. from Manda, at junction of Taylor-Manor rd. and rd. E., 4 ft. N. of NE. corner fence post; iron post stamped "528 SA" ----- 519. 385

Manda, 100 ft. SW. of post office, 5.0 mi. in air line N. of Littig, at junction of rd. SE. to Elgin, 100 ft. SW. of Lutheran Church, on W. side of rd., 25 ft. S. of fence corner; iron post stamped "558 SA" -- 549. 193

Littig, 800 ft. E. of H. & T. C. R. R. sta., 40 ft. S. of track, 4 ft. N. of right-of-way fence; iron post stamped "470 SA" ----- 462. 281

BASTROP NO. 3 QUADRANGLE

[Latitude 30°00'-30°15'; longitude 97°15'-97°30']

BASTROP AND TRAVIS COUNTIES

From Bastrop No. 4 quadrangle along Missouri-Kansas-Texas Railroad northwest to Bastrop, thence along roads southeast and back into Bastrop No. 4 quadrangle at point about 3 miles northwest of Alum Creek (by J. A. Hinman in 1896)

Upton, 45 ft. E. of head block at S. end of switch, 3.9 mi. SE. of Hills Prairie, near right-of-way fence; iron post stamped "349 SA" (recovered by U. S. C. & G. S. in 1904) ----- 343. 667

Hills Prairie, 28 ft. E. of S. head block, 4.7 mi. SE. of Bastrop, near right-of-way fence; iron post stamped "359 SA" (recovered by U. S. C. & G. S. in 1904) ----- 353. 628

Bastrop, 2.0 mi. S. of, at R. R. bridge over Colorado River, in masonry at E. end of N. bridge seat; copper bolt stamped "358 SA" ----- 352. 709

Bastrop, at Bastrop County courthouse, at NW. side of main entrance, in brick wall; standard tablet stamped "377 SA" (recovered by U. S. C. & G. S. in 1904) ----- 371. 666

Bastrop, near iron fence on N. side of courthouse grounds, about 49 ft. E. of path to main entrance of courthouse, in stone post; standard tablet ²⁷ (recovered by U. S. C. & G. S. in 1904) ----- 367. 571

²⁷ One of two meridian marks established in 1897. See 19th Ann. Rept., p. 168.

274 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Bastrop, 100 ft. SE. of freight sta., 50 ft. S. of Bastrop-La Grange rd.; iron post stamped "372 SA" (recovered by U. S. C. & G. S. in 1904)-----	Feet 366. 682
Bastrop, 2.8 mi. SE. of, 50 ft. W. of bridge over Copperas Creek, 15 ft. S. of Bastrop-La Grange rd.; iron post stamped "404 SA"-----	398. 679
From Bastrop generally north along Missouri-Kansas-Texas Railroad into Bastrop No. 2 quadrangle (by J. A. Hinman in 1897)	
Bastrop, 1.7 mi. NW. of, at bridge over Piney Creek, at NE. end of E. rock pier, in top of coping; copper bolt stamped "365 SA" (recovered by U. S. C. & G. S. in 1904)-----	357. 526
Bastrop, 4.5 mi. N. of, at crossing of Bastrop-Elgin rd., 3 ft. outside SE. corner of right-of-way fence; iron post stamped "460 SA" (recovered by U. S. C. & G. S. in 1904)-----	452. 673
Bastrop, 8.8 mi. N. of, 1.8 mi. S. of Sayersville, at public rd. crossing, halfway between fourth and fifth telegraph poles S. of milepost 945, 5 ft. E. of NW. corner of right-of-way fence; iron post stamped "449 SA" (recovered by U. S. C. & G. S. in 1904)-----	441. 118
From Bastrop along roads west and northwest into Austin No. 4 quadrangle at point 1.5 miles northwest of Caldwell (by J. A. Hinman in 1897)	
Bastrop, 3.0 mi. W. of, at junction of Weberville rd. N. and abandoned rd. NW. to Caldwell, 3 ft. from fence; iron post stamped "410 SA"-----	404. 788
Bastrop, 6.6 mi. W. of, 6.3 mi. SE. of Caldwell, at junction of new county rd.; iron post stamped "422 SA"-----	416. 861
Caldwell, 100 ft. NW. of post office, 50 ft. N. of Bastrop-Austin rd.; iron post stamped "576 SA"-----	570. 674
From point 6.6 miles west of Bastrop along roads southwest to Cedar Creek, thence southeast into Flatonia No. 2 quadrangle at point about 4.5 miles north of Redrock (by Thomas Winsor in 1898)	
Cedar Creek, 2.8 mi. NE. of, at junction of Bastrop-Cedar Creek rd. and rd. to Winsor gin, 20 ft. E. of 36-in. post-oak tree; iron post stamped "446 SA"-----	438. 029
Cedar Creek, 400 ft. S. of post office, at intersection of Austin-Port Lavaca rd., 19 ft. S. of SE. fence corner; iron post stamped "445 SA"-----	437. 258
Cedar Creek, 5.2 mi. SE. of, 6.2 mi. N., thence 1.4 mi. NW. from Redrock, on N. side of Austin-Port Lavaca rd. at point where rd. makes sharp bend, 4 ft. W. of 20-in. post-oak tree; iron post stamped "472 SA"-----	464. 117
Redrock, 4.8 mi. N. of, at junction of old rd. to Redrock, 0.75 mi. NW. of Walnut Creek Catholic Church, 6 ft. SE. of 24-in. dead post-oak tree used as corner fence post; iron post stamped "478 SA"-----	470. 446
From point 6.2 miles north of Redrock along roads northeast to Bastrop (by Thomas Winsor in 1898)	
Redrock, 6.2 mi. N., thence 2.2 mi. NE. from, 7.8 mi. SW. of Bastrop, at junction of settlement rd., 40 ft. E. of W. fence line, 200 ft. N. of house with log chimney; iron post stamped "477 SA"-----	469. 123
Bastrop, 3.5 mi. SW. of, at intersection of settlement rd., 3 ft. S. of NE. fence, 45 ft. SE. of gate; iron post stamped "384 SA"-----	376. 204

From point 3 miles west of Bastrop along roads northwest to point 3 miles northwest of Nash's Ferry, thence northeast into Bastrop No. 2 quadrangle at point 2.3 miles northeast of Sayersville (by Thomas Winsor in 1898)

Nash's Ferry, 300 ft. NE. of, on SE. side of rd., 150 ft. SE. of SE. bank of Colorado River, 5 ft. N. of 16-in. elm tree; iron post stamped "372 SA"-----	Feet 363. 900
Nash's Ferry, 3.0 mi. NW., thence 2.2 mi. NE. from, 5.5 mi. W. of Sayersville, 40 ft. SE. of crossroads, 800 ft. NE. of Coats Bridge over Wilbarger Creek; iron post stamped "391 SA"-----	383. 188

BASTROP NO. 4 QUADRANGLE

[Latitude 30°00'-30°15'; longitude 97°00'-97°15']

BASTROP, FAYETTE, AND LEE COUNTIES

From Flatonía No. 1 quadrangle northwest and southwest along Missouri-Kansas-Texas Railroad into Bastrop No. 3 quadrangle (by J. A. Hinman in 1898)

Smithville, 10 ft. E. of second telegraph pole N. of passenger sta. and second telegraph pole S. of mileboard 969; iron post stamped "329 SA" (recovered by U. S. C. & G. S. in 1904) ²⁸ -----	323. 841
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From Bastrop No. 3 quadrangle along roads southeast about 3 miles to Alum Creek, thence northeast, west, and northwest to point 6.5 miles northeast of Bastrop, thence southwest 2.3 mile's and back into Bastrop No. 3 quadrangle (by J. A. Hinman in 1898)

Alum Creek, 250 ft. W. of brick store at, 60 ft. N. of rd., in fence corner; iron post stamped "354 SA"-----	348. 751
Alum Creek, 4.2 mi. NE. of, 9.0 mi. E. of Bastrop, on Alum Creek-Paige rd., 0.4 mi. SW. of Bastrop-Giddings rd.; iron post stamped "503 SA"-----	497. 815
Bastrop, 6.5 mi. NE. of, at junction of settlement rd., 4.3 mi. N. of Bastrop-Giddings rd.; iron post stamped "486 SA"-----	480. 673

From Bastrop No. 1 quadrangle southeast along Houston & Texas Central Railroad ²⁹ into Giddings quadrangle (by J. A. Hinman in 1897; releveled to Paige by Thomas Winsor in 1898)

McDade, 6.0 mi. SE. of, 4.3 mi. NW. of Paige, halfway between mileposts 71 and 72, in NE. side of brick retaining wall built around double 24-in. pipe culvert; standard tablet stamped "495 SA"-----	487. 614
Paige, 1.7 mi. W. of, 150 ft. SW. of crossing of McDade-Paige rd., 250 ft. NW. of milepost 69, at S. end of 24-in. pipe culvert 157, in side of brick coping on wing wall; standard tablet stamped "578 SA"-----	570. 769
Paige, 180 ft. NE. of passenger sta., 7 ft. E. of NE. corner of small park; iron post stamped "549 SA"-----	541. 935
Paige, 5.2 mi. E. of, 10 ft. from SE. corner of right-of-way fence at crossing of Paige-Giddings rd., midway between seventh and eighth telegraph poles NW. of milepost 64, 38 ft. S. of center line of track; iron post stamped "528 SA" (recovered by U. S. C. & G. S. in 1938)-----	520. 734
Paige, 6.7 mi. SE. of, 0.5 mi. SE. of milepost 61, in top of rock coping over S. end of 18-in. pipe culvert; copper bolt stamped "520 SA"-----	512. 557

²⁸ In 1904 this bench mark was restamped "323.7." In 1909 its position was described as "373 feet southeast of railroad crossing, 40 feet east of main track, 75 feet west of highway, 60 feet north of switchstand" and it was stamped "Prim Trav Sta No 1 Texas 1909."

²⁹ Formerly the Austin & Northwestern R. R.; now part of the Texas & New Orleans Division of the Southern Pacific Co.

276 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From Giddings quadrangle southwest along San Antonio & Aransas Pass Railroad ³⁰ to Winchester, thence northwest along La Grange-Bastrop road to Alum Creek (by J. A. Hinman in 1897)

	<i>Feet</i>
Winchester, 50 ft. N. of R. R. sta., 45 ft. E. of center line of main track; iron post stamped "335 SA" ³¹ -----	327. 832
Winchester, 3.1 mi. W. of, on E. side of Pin Oak Creek, at junction of rd. W. to Hodgins Ford across Colorado River; iron post stamped "300 SA"-----	292. 956
Winchester, 5.4 mi. NW. of, at junction of rd. to Smithville by way of Hodgins Ford; iron post stamped "364 SA"-----	356. 860
Winchester, 8.7 mi. W. of, 6.6 mi. SE. of Alum Creek, 1.0 mi. E. of P. D. Creek, 75 ft. E. of junction of rd. to Smithville by way of Eblin Ford across Colorado River; iron post stamped "349 SA"-----	342. 088
Alum Creek, 4.2 mi. SE. of, 2.0 mi. N. of Smithville, 15 ft. NW. of junction of Smithville rd., 9 ft. E. of 24-in. pecan tree used as corner fence post; iron post stamped "331 SA"-----	323. 959
Alum Creek, 2.2 mi. SE. of, at junction of Jones Lane to Colorado River, 10 ft. S. of center line of main rd.; iron post stamped "343 SA"-----	335. 862

From Bastrop No. 3 quadrangle at point about 4.2 miles east of Bastrop along roads northeast into Giddings quadrangle at point about 3.5 miles southwest of Giddings (by J. A. Hinman in 1897)

Bastrop, 4.2 mi. E. of, 35 ft. NE. of crossroads, 100 ft. W. of small prairie; iron post stamped "528 SA"-----	520. 013
Bastrop, 12.1 mi. NE. of, on E. bank of Gravelly Creek, 20 ft. S. of main rd., 30 ft. E. of center line of creek; iron post stamped "466 SA"-----	458. 231
Bastrop, 15.4 mi. NE. of, 800 ft. NE. of crossing at Pin Oak Creek, 12 ft. N. of rd., 15 ft. NW. of field fence corner; iron post stamped "414 SA"-----	406. 307
Bastrop, 18.6 mi. NE. of, 7.5 mi. SW. of Giddings, 50 ft. NE. of junction of Serbin rd.; 50 ft. NE. of Bastrop-Lee county line, at NE. fence corner; iron post stamped "476 SA"-----	468. 270
Giddings, 5.0 mi. SW. of, 30 ft. S. of crossroads, 1,000 ft. W. of Rabbs Creek; iron post stamped "475 SA"-----	467. 254

From Bastrop No. 1 quadrangle at point 3 miles north of Paige along roads south to Paige, thence southwest to road junction 6.5 miles northeast of Bastrop (by J. A. Hinman in 1897)

Paige, 1.8 mi. W. of, 150 ft. N. of summit of ridge, 2 ft. E. of W. fence line; iron post stamped "611 SA"-----	603. 159
Paige, 4.5 mi. SW. of, 30 ft. S. of junction of lane, 2 ft. W. of E. fence line; iron post stamped "535 SA"-----	527. 073
Paige, 7.0 mi. SW. of, 8.2 mi. NE. of Bastrop, at junction of old San Antonio rd.; iron post stamped "455 SA"-----	447. 065

BELTON QUADRANGLE

[Latitude 31°00'-31°15'; longitude 97°15'-97°30']

BELL, FALLS, AND McLENNAN COUNTIES

From Taylor No. 2 quadrangle northeast along Missouri-Kansas-Texas Railroad to Temple (by E. L. McNair in 1910)

U. S. C. & G. S. B. M. designated "L 4"-----	673. 516
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³⁰ Now part of the Texas & New Orleans Division of the Southern Pacific Co.

³¹ In 1936 this bench mark was reported destroyed.

From Temple west along Gulf, Colorado & Santa Fe Railway 1.8 miles, thence along roads alternately southwest and southeast to point 3.9 miles southwest of Mount Vernon School, thence generally northwest to point about 4 miles southwest of Belton, thence alternately northeast and northwest to Dog Ridge road, thence northwest into Killeen quadrangle (by E. E. Harris in 1923; leveled twice to point 1.8 miles west of Temple)

Temple, in NE. corner of intersection of Gulf, Colorado & Santa Fe Ry. and Main Street, in SW. corner of court in front of Y. M. C. A. building, in L-angle in fence line, 4 ft. from each fence, in concrete post; standard tablet stamped "H 1 Texas 1923" (recovered by U. S. C. & G. S. in 1933)-----	Fect. 694.782
Reference mark, 77.5 ft. N.65°W. of tablet, on top of curb; chiseled square-----	694.79
Temple, in front of G. C. & S. F. Ry. sta.; top of N. rail of fourth track-----	700.9
Temple, 1.2 mi. W. of Y. M. C. A. building at, in SW. corner of crossing of N.-S. rd., on concrete culvert; chiseled square-----	700.80
Temple, 1.8 mi. W. of, in SE. corner of crossing of gravel rd., on large boulder; chiseled square-----	669.11
Temple, 1.8 mi. W. along R. R., thence 0.5 mi. along rd. SW. from, on N. side of Belton rd., at junction of rd. S., 100 ft. E. of Ferndale Grocery Store, 2 ft. N. of fence line, in concrete post; standard tablet stamped "H 2 Texas 1923"-----	671.430
Reference mark, 35 ft. S.75°W. of tablet, in root on N. side of 6-in. hackberry tree; copper nail and washer-----	670.54
Temple, 1.8 mi. W., thence 1.4 mi. SW. from, in SW. corner of right-angle turn in rd. from S. to E., in root on N. side of 48-in. live-oak tree; copper nail and washer-----	652.66
Temple, 3.2 mi. by route SW., thence 0.9 mi. E. from, 3.1 by rd. N. of Mount Vernon School, in SW. corner of junction of NE.-SW. rd., in root on S. side of 10-in. hackberry tree; copper nail and washer-----	716.44
Mount Vernon School, 2.6 mi. N. of, in SW. corner of junction of rd. W., on boulder; chiseled square-----	696.37
Mount Vernon School, 2.0 mi. N. of, in NW. corner of junction of T-rd. W., in L-angle in fence line, 2.5 ft. from each fence, in concrete post; standard tablet stamped "H 3 Texas 1923"-----	648.433
Mount Vernon School, 0.8 mi. N., thence 0.5 mi. W. from, in SW. corner of junction rd. W., on boulder; chiseled square-----	595.34
Mount Vernon School, 0.8 mi. N. of, 50 ft. S. and 25 ft. E. from crossing of Missouri-Kansas-Texas R. R., 1 ft. E. of fence line, on boulder; chiseled square-----	568.94
Mount Vernon School (now abandoned), about 600 ft. SE. of, 40 ft. W. of center line of rd., in root on E. side of 30-in. live-oak tree; copper nail and washer-----	598.05
Mount Vernon School, 0.8 mi. S. of, in NW. corner of crossroads, in angle in fence line, 5 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 4 T 1923 Texas H 4"-----	597.179
Reference mark, 29 ft. S. of tablet, on top of parapet of concrete culvert; chiseled square-----	597.14
Mount Vernon School, 1.4 mi. S. of, in NW. corner of cross lane, in angle in fence line, 3 ft. from each fence, on boulder flush with ground; chiseled square-----	582.07
Mount Vernon School, 2.2 mi. S. of, on W. side of rd., opposite dwelling, 2 ft. inside fence line, in root on E. side of forked oak tree; copper nail and washer-----	566.88

278 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Mount Vernon School, 3.0 mi. S. of, opposite dwelling, on E. bank in angle in rd., 2 ft. E. of fence line, 15 ft. S. of gate, in concrete post; standard tablet stamped "Prim Trav Sta No 5 T 1923 Texas H 5".....	Feet 521. 749
Reference mark, 70.5 ft. N. of tablet, in root on E. side of 10-in. mesquite tree; copper nail and washer.....	521. 17
[Line jogs into Taylor No. 2 quadrangle]	
Three Forks Church, 1.1 mi. NW. of, 3.6 mi. S. and 1.8 mi. E. from R. R. sta. at Belton, in SE. corner of rd. junction, on large boulder; chiseled square.....	511. 02
Three Forks Church, 1.9 mi. NW. of, 3.5 mi. S. and 1.2 mi. E. from Belton, at junction of rd. S., in root on E. side of 30-in. oak tree; copper nail and washer.....	507. 47
Belton, 3.3 mi. S. and 1.1 mi. E. from, on E. side of main rd., 20 ft. S. of lane E. through gate, in concrete post; standard tablet stamped "Prim Trav Sta No 7 T 1923 Texas H 7".....	508. 787
Reference mark, 51.6 ft. E. of tablet, in root on N. side of 4-in. mesquite tree; copper nail and washer.....	508. 14
Belton, 3.4 mi. S. and 0.5 mi. E. from, on W. side of rd., 230 ft. N. of gate across rd., in root on E. side of 20-in. live-oak tree; copper nail and washer.....	510. 85
Belton, 2.9 mi. S. and 0.4 mi. E. from, on N. side of sharp turn in rd., 40 ft. W. of creek bed, in root on S. side of 6-in. live-oak tree; copper nail and washer.....	519. 96
Belton, 2.7 mi. S. of, on E. side of rd., 30 ft. S. of junction of rd. SE., in wash, on top of rock ledge; chiseled square.....	560. 24
Belton, 2.9 mi. S. and 0.2 mi. W. from, just E. of Bluff Spring, on N. bank of right-angle turn in rd., 220 ft. N. of Henderson's Crossing bridge over Lampasas River, in concrete post; standard tablet stamped "Prim Trav Sta No 8 T 1923 Texas H 8".....	504. 725
Reference mark, 124.3 feet S.75°E. of tablet, in root on W. side of 18-in. live-oak tree; copper nail and washer.....	497. 61
Lampasas River, under bridge; surface of water Sept. 25, 1923.....	475. 8
Belton, 3.5 mi. S. and 0.4 mi. W. from, 0.6 mi. S. of river bridge, on S. edge of right-angle turn E. in rd., at junction of two lanes S. through gate, on top of rock ledge; chiseled square.....	524. 61
Belton, 4.2 mi. along Belton-Georgetown rd. SW., thence 0.6 mi. E. from, S. of Bluff Spring, 400 ft. W. of river, on N. side of angle in rd., at rd. fork, in root on S. side of 20-in. water-elm tree; copper nail and washer.....	500. 31
Belton, 4.2 mi. SW. of, on E. side of Belton-Georgetown rd., on S. side of rd. E. through gate, in angle in fence line, 4 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 9 T 1923 Texas H 9".....	538. 289
Reference mark, 24.4 ft. E. of tablet, in root on W. side of 18-in. live-oak tree; copper nail and washer.....	537. 96
Belton, 3.5 mi. SW. of, 0.4 mi. SW., thence 1.0 mi. SE. from Shanklin School, on E. bank of Georgetown rd., in line with T-rd. NW., in root on W. side of 15-in. live-oak tree; copper nail and washer.....	583. 77
Shanklin School, 0.4 mi. SW., thence 0.1 mi. SE. from, on N. side of rd., 400 ft. W. of junction of T-rd. SW., on top of parapet of concrete culvert; chiseled square.....	589. 31

	<i>Feet</i>
Shanklin School, 0.3 mi. N. of, in NE. corner of junction of T-rd. SE., in angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 10 T 1923 Texas H 10"-----	644. 324
Reference mark, 49.6 ft. W. of tablet, in root on E. side of 15-in. live-oak tree; copper nail and washer-----	644. 27
Shanklin School, 1.0 mi. NE., thence 0.4 mi. NW. from, in NE. corner of junction of rd. NE., in angle in fence line, 2 ft. from each fence, on rock post flush with ground; chiseled square-----	708. 39
Shanklin School, 2.1 mi. by rd. N. of, about 2.5 mi. SW. of Belton, in SE. corner of junction of Dog Ridge rd., on S. side of rd., in angle in fence line, 2 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 11 T 1923 Texas H 11"-----	653. 668
Reference mark, 212.4 ft. N.50°W. of tablet, in root on E. side of 15-in. live-oak tree; copper nail and washer-----	653. 53
<p>From Killeen quadrangle east along road near Leon River 0.7 mile, thence north across country and along road to Herringville, thence generally east along Temple-Tennessee Valley road to old Belton-Waco road, thence northeast to Temple-Moffat road, thence southeast to point 1.8 miles west of Temple (by E. E. Harris in 1923).</p>	
Tennessee Valley Church, 0.9 mi. S. of, on S. side of rd. S. of river, opposite dwelling, at gatepost, in root on E. side of cedar tree; copper nail and washer-----	560. 65
Tennessee Valley Church, 180 ft. N. of, 1.0 mi. along Tennessee Valley rd. S. of Herringville, in Y-rd. fork, in concrete post; standard tablet stamped "Prim Trav Sta No 13 T 1923 Texas H 14"-----	551. 773
Reference mark, 40.6 ft. S. of tablet, in root on E. side of 12-in. live-oak tree; copper nail and washer-----	549. 84
Herringville, just E. of church, in Y-rd. fork, in root on N. side of 20-in. water-elm tree; copper nail and washer-----	622. 72
Herringville, 0.9 mi. E. of, 800 ft. E. of dwelling, on S. side of rd., 70 ft. W. of T-angle in fence line, in wash, on top of rock ledge; chiseled square-----	681. 32
Herringville, 2.0 mi. E. of, in SW. corner of sharp turn in rd., at junction of rd. NE., 5 ft. E. of fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 14 T 1923 Texas H 15"-----	699. 758
Reference mark, 54.6 ft. N.20°E. of tablet, in root on S. side of 8-in. live-oak tree; copper nail and washer-----	699. 95
Herringville, 2.7 mi. SE. of, on S. side of rd., 80 ft. W. of creek, on top of rock ledge; chiseled square-----	655. 57
Herringville, 3.5 mi. SE. of, 140 ft. N. of junction of Belton-Moffat rd., on W. side of rd., in center of top of parapet of concrete culvert; chiseled square-----	638. 35
Herringville, 4.4 mi. SE. of, in NW. corner of junction of NE.-SW. rd., in angle in fence line, 2 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 15 T 1923 Texas H 16"-----	601. 359
Herringville, 5.4 mi. SE. of, in NW. corner of intersection of old Belton-Waco rd., in angle in fence line, 2 ft. from each fence, on boulder flush with ground; chiseled square-----	602. 84
Herringville, 5.4 mi. SE., thence 1.0 mi. NE. from, about 7 mi. NE. of Belton, 6.5 mi. NW. of Temple, in SE. angle of junction of Temple-Moffat rd., in angle in fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 16 T 1923 Texas H 17"-----	632. 720
Reference mark, 106.1 ft. N.45°E. of tablet, on rock ledge; chiseled square-----	636. 38

280 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Temple, 5.6 mi. along Temple-Moffat rd. NW. of, in NW. corner of rd. junction, in angle in fence line, 3 ft. from each fence, on boulder flush with ground; chiseled square	<i>Feet</i> 606. 20
Temple, 4.7 mi. NW. of, on S. bank of rd., 40 ft. W. of lane S., in root on W. side of forked mesquite tree; copper nail and washer	683. 80
Temple, 4.2 mi. NW. of, on W. side of rd., 100 ft. S. of angle in rd., 2 ft. W. of slight angle in fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 17 T 1923 Texas H 18"	696. 642
Reference mark, 111.3 ft. S.20°W. of tablet, in wash, on rock ledge; chiseled square	698. 41
Temple, 3.4 mi. NW. of, on N. side of rd., 400 ft. W. of right-angle turn in rd., in center of top of parapet of concrete culvert; chiseled square	680. 23
Temple, 2.9 mi. NW. of, in SE. corner of crossroads, in root on E. side of 8-in. hackberry tree; copper nail and washer	689. 12
Temple, 2.3 mi. NW. of, on N. side of Moffat rd., at W. end of iron bridge over creek, in root on S. side of 8-in. willow tree; copper nail and washer	655. 39
From intersection of Belton-Waco and Temple-Moffat roads along roads northeast to Willow Grove Church, thence northwest 0.9 mile into McGregor quadrangle (by E. E. Harris in 1923)	
Temple, 6.5 mi. NW., thence 1.3 mi. NE. from, 1.5 mi. SW. of Cedar Creek Methodist Church, in center of large grass triangle formed by rds. in three directions, on large boulder flush with ground; chiseled square	659. 79
Cedar Creek Methodist Church, 0.7 mi. SW. of, in SE. corner of rd. junction, on NE. corner of concrete spillway; chiseled square	660. 11
Cedar Creek Methodist Church, 20 ft. SW. of SW. corner of, 30 ft. NE. of rd. junction, in concrete post; standard tablet stamped "Prim Trav Sta No 18 T 1923 Texas H 19"	646. 470
Reference mark, 109.3 ft. S.55°W. of tablet, in wash, on top of rock ledge; chiseled square	648. 06
Cedar Creek Methodist Church, 0.6 mi. N. of, about 500 ft. E. of Cedar Creek Baptist Church, in NE. corner of right-angle turn in rd., in angle in fence line, 3 ft. from each fence, on boulder flush with ground; chiseled square	632. 59
Cedar Creek Baptist Church, 1.2 mi. N. of, in SE. corner of junction of E.-W. rd., on top of rock ledge; chiseled square	655. 19
Cedar Creek Baptist Church, 2.5 mi. NE. of, in SE. corner of junction of T-rd. SE., in angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 19 T 1923 Texas H 20"	672. 507
Reference mark, 53.4 ft. N.20°E. of tablet, 1 ft. E. of fence line, on boulder 6 in. underground; chiseled square	672. 16
Cedar Creek Baptist Church, 3.6 mi. NE. of, 2.5 mi. SW. of Willow Grove Church, in SE. corner of junction of rd. E., at SE. corner of small bridge over ditch, on large boulder; chiseled square	702. 32
Willow Grove Church, 1.8 mi. SW. of, 1.0 mi. NW. of Pendleton, at jog in E.-W. rd., in SW. corner of junction of rd. W., in angle in fence line, 4 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 20 T 1923 Texas H 21"	714. 680
Willow Grove Church, 1.2 mi. S. of, on E. side of angle in rd., S. of creek crossing, in T-angle in fence line, on large boulder; chiseled square	725. 44

	<i>Feet</i>
Willow Grove Church, 0.5 mi. S. of, at jog in N.-S. rd., 50 ft. N. of center line of rd., on concrete wall of well; chiseled square-----	770. 91
Willow Grove Church, about 150 ft. NE. of, in NW. corner of junction of T-rd. NW., in angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 21 T 1923 Texas H 22"-----	783. 945
Reference mark, 65.6 ft. N.70°W. of tablet, 1 ft. N. of fence line, on boulder 6 in. underground; chiseled square-----	780. 64
Willow Grove Church, 0.8 mi. NW. of, in SW. corner of junction of lane S., on boulder flush with ground; chiseled square-----	742. 80
<p>From McGregor quadrangle at point 0.5 mile southeast of Winklers Ford across Leon River along roads south and southwest to point 1.8 miles northwest of Moffat, thence southeast to point 0.7 mile southwest of Cedar Creek Methodist Church (by E. E. Harris in 1923)</p>	
Winklers Ford, 0.7 mi. S. of, on E. side of rd., in line with junction of rd. W. to The Grove, 1 ft. W. of fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 24 T 1923 Texas H 25"-----	625. 579
Reference mark, 59 ft. S.20°E. of tablet, in root on W. side of 18-in. hackberry tree; copper nail and washer-----	625. 74
Winklers Ford, 1.3 mi. S. of, on W. side of angle in rd., at junction of lane E. through gate to dwelling on hill, in root on S. side of 15-in. post-oak tree; copper nail and washer-----	651. 06
Winklers Ford, 2.1 mi. S. of, on W. side of rd., at gate across rd., in root on S. side of forked elm tree; copper nail and washer-----	632. 27
Winklers Ford, 2.6 mi. S. of, on S. side of rd. fork, in front of dwelling, in root on E. side of 18-in. live-oak tree; copper nail and washer-----	604. 44
Winklers Ford, 3.2 mi. SW. of, on S. side of sharp turn in rd., in front of dwelling, in root on S. side of 15-in. elm tree; copper nail and washer-----	583. 76
Winklers Ford, 4.1 mi. SW. of, 1.8 mi. NW. of Moffat, 80 ft. N. of Bland rd., 20 ft. E. of rd. N. through gate, 2 ft. N. of fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 17 C 1923 Texas H 26"-----	567. 043
Reference mark, 65.5 ft. N.10°E. of tablet, in root on W. side of 30-in. oak tree; copper nail and washer-----	568. 05
Moffat, 1.5 mi. NW. of, at highway bridge over Leon River, on W. end of NW. concrete abutment; chiseled square-----	570. 07
Moffat, 0.9 mi. NW. of, on N. side of angle in rd., at NE. corner of small bridge over creek, in root on E. side of 15-in. red-oak tree; copper nail and washer-----	586. 26
Moffat, in NW. angle of junction of rd. N., in center of yard in front of dwelling, in root on S. side of 12-in. elm tree; copper nail and washer-----	683. 12
Moffat, 0.6 mi. SE. of, in SW. angle of junction of T-rd. S., in angle in fence line, 4 ft. from each fence, in concrete post; standard tablet stamped "H 27 1923"-----	717. 143
Reference mark, 25.1 ft. W. of tablet, in root on E. side of forked live-oak tree; copper nail and washer-----	717. 10
Moffat, 1.7 mi. SE. of, in SE. corner of crossroads, in angle in fence line, 6 ft. from each fence, on stone post; chiseled square-----	708. 80
Moffat, 2.4 mi. SE. of, in NW. corner of junction of rd. NE. to Whitehall, in angle in fence line, 4 ft. from each fence, on stone post; chiseled square-----	696. 35

282 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Moffat, 3.5 mi. SE. of, in SW. corner of junction of Temple-Moffat and Belton-Moffat rds., in angle in fence line, 5 ft. from each fence, in concrete post; standard tablet stamped "H 28 1923"-----	Feet 655. 217
Reference mark, 94.6 ft. E. of tablet, on large boulder flush with ground; chiseled square-----	653. 39
Moffat, 4.6 mi. E. of, in SE. corner of crossroads, in angle in fence line, 5 ft. from each fence, on boulder flush with ground; chiseled square-----	653. 79

BEND QUADRANGLE

[Latitude 31°00'-31°15'; longitude 98°30'-98°45']

LAMPASAS, MILLS, AND SAN SABA COUNTIES

From Llano No. 1 quadrangle at point about 5 miles northeast of Cherokee along Mason-Lampasas road to San Saba-Bluffton road, thence south and back into Llano No. 1 quadrangle at point about 1 mile north of Boyt ranch (by Thomas Winsor in 1898)

Cherokee, 6.9 mi. NE. of, 5 ft. SE. of rd., at bend, in limestone outcrop; aluminum tablet stamped "1400 SA"-----	1, 392. 796
Cherokee, 9.5 mi. NE. of, 2.9 mi. NW. of Boyt ranch, at junction of San Saba-Bluffton rd.; iron post stamped "1317 SA" and "Prim Trav Sta No 77 T 1924 Texas S 1925" (recovered in 1925)-----	1, 309. 943
From Llano No. 1 quadrangle at point about 1.5 miles north of Cherokee north along roads to San Saba, thence west along Gulf, Colorado & Santa Fe Railway into Algerita quadrangle (by F. L. Whaley in 1920; double-rodged line)	
Cherokee, 2.0 mi. N. of, on NW. concrete wing wall of small wooden bridge; chiseled square-----	1, 472. 39
Cherokee, 3.0 mi. N. of, 1,000 ft. N. of sharp grade S., on E. side of rd., 10 ft. W. of right-of-way fence, in white limestone outcrop; standard tablet stamped "1920 1558"-----	1, 558. 292
Reference mark, on E. side of rd., on limestone outcrop; chiseled square-----	1, 558. 29
Cherokee, 3.9 mi. N. of, at N. end of York's Flat, on W. side of rd., 200 ft. N. of small wooden culvert, 10 ft. S. of telephone pole; top of white limestone rock-----	1, 547. 97
Cherokee, 5.1 mi. N. of, 200 ft. S. of small drain crossing, on E. side of rd., 2 ft. N. of live-oak tree, on white limestone rock; chiseled circle-----	1, 547. 95
Cherokee, 6.0 mi. N. of, 300 ft. S. of bend to E. in rd., on S. slope of hill, 40 ft. E. of right-of-way fence on E. side of rd., in limestone outcrop; standard tablet stamped "1920 1543"-----	1, 544. 496
Cherokee, 6.9 mi. N. of, 8.8 mi. S. of San Saba County courthouse at San Saba, 10 ft. N. of mail box of Vermont Marble Company, on E. side of rd., on white limestone outcrop; chiseled circle-----	1, 632. 04
San Saba, 7.7 mi. S. of, 1,000 ft. S. of gate to ranch house, on E. side of rd., 10 ft. W. of right-of-way fence, on white limestone outcrop; chiseled circle-----	1, 547. 32
San Saba, 6.6 mi. S. of, near summit of S. slope of grade in rd., on W. side of rd., 5 ft. E. of right-of-way fence line, in white marble outcrop; standard tablet stamped "1920 1558"-----	1, 559. 060
San Saba, 5.7 mi. S. of, on summit of hill, on E. side of rd., 10 ft. W. of right-of-way fence, on white limestone outcrop; chiseled square--	1, 499. 90
San Saba, 4.8 mi. S. of, 200 ft. S. of summit of small hill, on E. side of rd., 10 ft. W. of right-of-way fence, on gray limestone rock; chiseled circle-----	1, 433. 88

	<i>Feet</i>
San Saba, 3.6 mi. S. of, 100 ft. N. of rd. leading to residence, 10 ft. N. of milepost 3½, in top of yellow sandstone ledge; standard tablet stamped "1920 1355"-----	1, 355. 800
San Saba, 2.3 mi. S. of, 15 ft. N. of Simpson Creek Crossing, on E. side of rd.; top of white limestone rock-----	1, 269. 63
Simpson Creek, at ford; surface of water Feb. 19, 1920-----	1, 267. 7
San Saba, at N. side of San Saba County courthouse, on W. side of entrance, in sandstone wall, 2.5 ft. above concrete walk, set vertically; standard tablet stamped "1920 1209" (recovered in 1925; also recovered by U. S. C. & G. S. in 1935)-----	1, 209. 492
Reference mark, at N. entrance to courthouse, 6 in. N. of E. guard wall of steps, on concrete walk; chiseled square-----	1, 206. 38
San Saba, at R. R. viaduct over Brownwood rd., in S. end of W. concrete abutment; standard tablet stamped "1920 1204" (recovered in 1925; also recovered by U. S. C. & G. S. in 1935)-----	1, 204. 971
San Saba, at R. R. sta., opposite center of window in telegraph office; top of S. rail-----	1, 211. 0
From Goldthwaite quadrangle southeast and south along Brownwood road to San Saba (by Basil Tuttle in 1920, leveled twice; releveled to point 2 miles north of San Saba by E. E. Harris in 1925)	
San Saba, 2.0 mi. N. of, 40 ft. N. of junction of Goldthwaite rd., 500 ft. SW. of house, near fence corner; iron post stamped "1231"-----	1, 231. 546
San Saba, 1.1 mi. N. of, at steel bridge over San Saba River, on E. end of N. pier; top of bolt head-----	1, 195. 78
From San Saba east and northeast along Gulf, Colorado & Santa Fe Railway 5.5 miles, thence along roads northwest into Goldthwaite quadrangle (by Basil Tuttle in 1920)	
San Saba, 2.5 mi. E. of, 0.9 mi. W. of Hershey, 0.4 mi. N. of Simpson Creek School, 50 ft. S. of E. end of R. R. bridge over Simpson Creek, 30 ft. E. of gate, at fence corner; iron post stamped "1178" (recovered in 1925)-----	1, 178. 951
San Saba, 5.5 mi. NE. of, 1.8 mi. W. of Darnoc, 2.0 mi. NE. of Hershey, 700 ft. SW. of two-story white house, 50 ft. SE. of road crossing, 10 ft. N. of board gate, 3 ft. SE. of fence corner; iron post stamped "1188" (recovered in 1925; also recovered by U. S. C. & G. S. in 1935)-----	1, 188. 987
San Saba, 5.5 mi. NE., thence 1.4 mi. NW. from, at Pecan Grove School, in corner of rd. crossing, on N. side of main rd., on W. side of second-class rd., 4 ft. N. of fence corner; iron post stamped "1157"-----	1, 158. 137
Pecan Grove School, 1.2 mi. NW. of, near center of rd. opposite residence of A. C. Brown, in root of 10-in. mesquite tree; copper nail and washer-----	1, 186. 01
Pecan Grove School, 2.6 mi. NW. of, on E. side of rd., at junction of rd. W., E. of SE. corner of Terry Cemetery; iron post stamped "1234" (recovered in 1925)-----	1, 235. 010
Pecan Grove School, 3.6 mi. NW. of, 4.5 mi. along Brownwood rd. NE., thence 0.7 mi. SE. from San Saba, 0.7 mi. SE. of junction of Brownwood and Goldthwaite rds., in right-angle bend of rd. N. and E., in base of 10-in. mesquite tree; copper nail and washer-----	1, 248. 48

284 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

<p>From point 2.8 miles northwest of Pecan Grove School northeast along Pleasant School road into Goldthwaite quadrangle (by H. P. Kilby in 1925)</p>	
<p>Pecan Grove School, 2.6 mi. NW., thence 1.2 mi. NE. from, about 5.5 mi. NE. of San Saba, at junction of T-rd. N., 30 ft. SE. of mail box of N. W. Brown, in NE. angle of fence corner, in base of 8-in. mesquite tree; copper nail and washer.....</p>	<p>Feet 1, 189. 52</p>
<p>From Goldthwaite quadrangle southwest, southeast, and east along Pleasant School road to Harmony Ridge School, thence north and back into Goldthwaite quadrangle (by H. P. Kilby in 1925)</p>	
<p>Harmony Ridge School, 1.6 mi. W. of, at steel bridge over San Saba River, in SW. corner of W. pier; standard tablet stamped "Prim Trav Sta No 48 1924 K 26".....</p>	<p>1, 147. 033</p>
<p>Harmony Ridge School, in NE. angle of crossroads, in fence corner, at corner of gatepost, on sandstone rock; chiseled square.....</p>	<p>1, 239. 93</p>
<p>From Lampasas No. 3 quadrangle along San Saba-Lometa road (State Highway 74) southwest and northwest to point 1 mile northwest of Red Bluff Crossing of Colorado River, thence northwest along second-class road to Harmony Ridge School (by H. P. Kilby in 1925; reveled by E. E. Harris in same year)</p>	
<p>Lometa, 7.0 mi. W. of, about 15 mi. E. of San Saba, at milepost 7, 30 ft. S. of rd., at angle in fence, at head of small drain and culvert, in root of elm tree; copper nail and washer.....</p>	<p>1, 295. 37</p>
<p>Lometa, 8.0 mi. W. of, 3.1 mi. E. of Red Bluff Crossing of Colorado River, on S. side of rd., 40 ft. E. of creek crossing, 15 ft. SE. of concrete causeway, in sandstone outcrop; standard tablet stamped "Prim Trav Sta No 50 J 1924 K 27".....</p>	<p>1, 171. 895</p>
<p>Reference mark, 250 ft. E. of tablet, at summit of hill, on S. end of stone culvert; chiseled square.....</p>	<p>1, 189. 98</p>
<p>Red Bluff Crossing, 0.5 mi. SE. of, in wye of rd. junction, at base of sign-board, on rock; chiseled square.....</p>	<p>1, 147. 99</p>
<p>Red Bluff Crossing, at steel girder bridge over Colorado River, in NE. corner of E. abutment; standard tablet stamped "Prim Trav Sta No 49 J 1925 K 28".....</p>	<p>1, 148. 266</p>
<p>Red Bluff Crossing, 1.0 mi. NW. of, 1.8 mi. SE. of Harmony Ridge School, 9.5 mi. E. of San Saba, at second-class crossroads, on S. side of San Saba-Lometa rd., 20 ft. N. of gate, on flat rock; chiseled square.....</p>	<p>1, 264. 45</p>
<p>Harmony Ridge School, 1.0 mi. S. of, 4.4 mi. W. of Chadwick, 1,200 ft. W. of intersection of Gulf, Colorado & Santa Fe Ry., 200 ft. S. of track, in front of house, 20 ft. E. of gate, in base of 10-in. mesquite tree; copper nail and washer.....</p>	<p>1, 221. 02</p>
<p>From point 1 mile northwest of Red Bluff Crossing of Colorado River west along San Saba-Lometa road (State Highway 74) to point 3.5 miles east of San Saba, thence south along McAnnelly road 1 mile (by H. P. Kilby in 1925)</p>	
<p>Red Bluff Crossing, 2.1 mi. by rd. W. of, 8.5 mi. E. of San Saba, on E. slope of hill, at junction of second-class rd. S., at base of E. gatepost, on rock; chiseled square.....</p>	<p>1, 263. 24</p>
<p>San Saba, 7.5 mi. E. of, 30 ft. S. of rd., 60 ft. N. of ranch house, 30 ft. E. of gate on fence line, in base of 8-in. mesquite tree; copper nail.....</p>	<p>1, 212. 43</p>
<p>San Saba, 3.5 mi. E. of, in SE. corner of junction of rd. SE. to McAnnelly Bend, in sandstone post; standard tablet stamped "Prim Trav Sta No 55 J 1924" ³².....</p>	<p>1, 206. 401</p>

³² Connected, by spur line, with line of E. E. Harris along Gulf, Colorado & Santa Fe Railway in same year.

San Saba, 4.5 mi. SE. of, on McAnnelly Bend rd., on N. slope of hill, 20 ft. W. of rd., at base of gatepost; top of rock-----	Feet 1, 325. 42
From Goldthwaite quadrangle southwest and west along Gulf, Colorado & Santa Fe Railway into Algerita quadrangle (by E. E. Harris in 1925; section west of San Saba leveled twice)	
Chadwick, in front of sta. sign; top of rail-----	1, 266. 3
Chadwick, 900 ft. W. of sta., 770 ft. W. of milepost 11, on N. side of track, 150 ft. E. of cattle guard, in angle in N. right-of-way fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "H 257 1925"-----	1, 259. 834
Chadwick, 1.0 mi. W. of, on N. side of track, 60 ft. W. of milepost 12, 200 ft. E. of rd. crossing, on top of section of rail; chiseled cross---	1, 238. 70
Chadwick, 2.0 mi. W. of, on N. side of track, 100 ft. W. of milepost 13, on top of section of rail; chiseled cross-----	1, 206. 12
Chadwick, 2.8 mi. W. of, at R. R. bridge over Colorado River, on S. side of track, in S. end of E. abutment of trestle; standard tablet stamped "H 258 1925" (recovered by U. S. C. & G. S. in 1935)---	1, 182. 970
Chadwick, 4.0 mi. W. of, on N. side of track, 70 ft. E. of milepost 15, on top of section of rail; chiseled cross-----	1, 206. 92
Chadwick, 5.0 mi. W. of, 1.0 mi. E. of Darnoc, on N. side of track, opposite milepost 16, on top of section of rail; chiseled cross-----	1, 184. 29
Darnoc, in front of sta. signpost; top of rail-----	1, 168. 4
Darnoc, 150 ft. W. of sta., on S. side of track, 2 ft. N. and 50 ft. E. from angle in R. R. right-of-way fence line, in concrete post; standard tablet stamped "H 259 1925"-----	1, 164. 930
Reference mark, 75 ft. N. of tablet, on top of section of rail; chiseled cross-----	1, 168. 09
Darnoc, 1.0 mi. W. of, on N. side of track, opposite milepost 18, on top of section of rail; chiseled cross-----	1, 173. 46
Hershey, 0.8 mi. NE. of, on N. side of track, opposite milepost 20, on top of section of rail; chiseled cross-----	1, 188. 03
Hershey, in front of sta. signpost; top of rail-----	1, 193. 2
Hershey, 0.2 mi. W. of, 3.4 mi. NE. of San Saba, on N. side of track, opposite milepost 21, on top of section of rail; chiseled cross-----	1, 194. 61
San Saba, 2.3 mi. E. of, on S. side of track, opposite milepost 22, on top of section of rail; chiseled cross-----	1, 186. 97
San Saba, 1.3 mi. E. of, 850 ft. E. of rd. crossing, 80 ft. W. of mile- post 23, on N. side of track, 30 ft. E. of target switch, on top of section of rail; chiseled cross-----	1, 204. 42
San Saba, 0.8 mi. along State highway W. of courthouse, in NW. corner of crossroads, in fence corner, in root on E. side of leaning mesquite tree; copper nail and washer-----	1, 229. 09
San Saba, 1.8 mi. W. of, on S. side of State highway, 40 ft. E. of gate to house, in fence line, in root on N. side of forked mesquite tree; copper nail and washer-----	1, 235. 12
From point on McAnnelly road 4.5 miles southeast of San Saba southeast to point 1.2 miles southwest of Bend, thence southwest along Cherokee road to point 2.9 miles northwest of Boyt ranch (by Walter Shupe in 1926)	
San Saba, 5.4 mi. SE. of, on S. slope of hill, 10 ft. E. of rd.; chiseled square-----	1, 409. 42
San Saba, 6.3 mi. SE. of, on top of hill at small bend in rd. and fork- of trail to W. side of rd., 25 ft. W. of rd., on rock; chiseled mark-----	1, 477. 52
San Saba, 7.0 mi. SE. of, 340 ft. S. of T-rd. W., 30 ft. W. of rd., in root of 8-in. mesquite tree; copper nail and washer-----	1, 464. 01

286 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
San Saba, 9.7 mi. SE. of, 1.2 mi. SW., thence 7.0 mi. NW. from Bend, at base of hill, 260 ft. S. of drain, 20 ft. W. of rd., in limestone ledge; standard tablet stamped "Prim Trav Sta No 57 J 1924 Texas S 1925"	1, 270. 877
Reference mark, 34 ft. S.45°E. of tablet, on limestone ledge; chiseled square	1, 273. 39
Bend, 1.2 mi. SW., thence 6.2 mi. NW. from, 15 ft. E. of rd., 120 ft. S. of T-rd. NE., on rock; chiseled square	1, 334. 11
Bend, 1.2 mi. SW., thence 5.4 mi. NW. from, 25 ft. W. of rd., 15 ft. E. of residence of A. J. Talley, in root of 14-in. post-oak tree; copper nail and washer	1, 247. 25
Rough Creek; surface of water May 7, 1925	1, 204. 1
Bend, 1.2 mi. SW., thence 4.6 mi. NW. from, at summit of long hill, 650 ft. W. of house, 15 ft. W. of rd., in root of 20-in. elm tree; copper nail and washer	1, 300. 75
Bend, 1.2 mi. SW., thence 5.4 mi. NW. from, 15 ft. W. of rd., 6 ft. N. of fence corner; standard tablet stamped "Prim Trav Sta No 58 J 1924 Texas S 1925"	1, 213. 310
Reference mark, 44.4 ft. S.5°W. of tablet, in root of 8-in. water-elm tree; copper nail and washer	1, 214. 13
Bend, 1.2 mi. SW., thence 2.0 mi. NW. from, 80 ft. W. of rd., 70 ft. S. of dwelling of Z. T. Sullivan, 130 ft. N. of drain, in root of twin mesquite trees; copper nail and washer	1, 124. 94
Bend, 1.2 mi. SW., thence 0.9 mi. NW. from, 6 ft. E. of rd., 10 ft. S. of gate, in root of 10-in. mesquite tree; copper nail and washer	1, 114. 45
Bend, 1.2 mi. SW. of, about 18 mi. SE. of San Saba, 3.6 mi. NE. of Chappel, 110 ft. E. of junction of rd. SW. to Cherokee, in sandstone outcrop; standard tablet stamped "Prim Trav Sta No 74 T 1924 Texas"	1, 120. 819
Reference mark, 40 ft. E. of tablet, in root of cedar tree; copper nail and washer	1, 122. 71
Bend, 2.1 mi. SW. of, 500 ft. NE. of High Valley Church, at summit of hill, at fence corner, in base of mesquite tree; copper nail and washer	1, 257. 52
Bend, 3.2 mi. SW. of, 900 ft. S. and W. of 90° bend in rd., on W. bank of Cherokee Creek, in root of sycamore tree; copper nail and washer	1, 182. 59
Bend, 4.0 mi. SW. of, 0.8 mi. NE. of Chappel, on summit of hill, at junction of rd. N., 80 ft. S. of corner of cleared field, 24 ft. W. of rd., in sandstone post; standard tablet stamped "Prim Trav Sta No 75 T 1924 Texas S 1925"	1, 283. 043
Reference mark, 194.6 ft. S.15°W. of tablet, in root of 10-in. mesquite tree; copper nail and washer	1, 278. 02
Chappel, 0.2 mi. S. of, 40 ft. W. of rd., 10 ft. W. of gate, in root of 10-in. mesquite tree; copper nail and washer	1, 305. 98
Chappel, 1.4 mi. SW. of, 600 ft. SE. of ranch house, 20 ft. E. of rd., in root of 6-in. mesquite tree; copper nail and washer	1, 320. 54
Chappel, 2.7 mi. SW. of, 215 ft. N. of Cherokee Creek rd., 12 ft. W. of rd., 15 ft. S. of T-rd. W., in sandstone post; standard tablet stamped "Prim Trav Sta No 76 T 1924 Texas S 1925"	1, 251. 540
Reference mark, 38 ft. S.36°W. of tablet, in root of 30-in. pecan tree; copper nail and washer	1, 251. 34
Cherokee Creek; surface of water May 18, 1925	1, 241. 9

BENJAMIN NO. 1 QUADRANGLE

[Latitude 33°45'-34°00'; longitude 99°30'-99°45']

FOARD AND KNOX COUNTIES

From Benjamin No. 2 quadrangle northeast along Kansas City, Mexico & Orient Railway ³³ and adjacent State Highway 51 (present State Highway 18) into Quanah No. 4 quadrangle (by E. R. Martin in 1925)

Crowell, 1.7 mi. SW. of, at concrete highway bridge, in center of top of E. railing; standard tablet stamped "M 66 1925" (recovered by U. S. C. & G. S. in 1933)-----	Feet 1, 474. 784
Reference mark, 30 ft. W. of tablet, in center of top of W. railing of bridge; chiseled square-----	1, 474. 72
Crowell, 1.3 mi. SW. of, on top of E. shoulder of concrete highway culvert; chiseled square-----	1, 472. 38
Crowell, at K. C. M. & O. Ry. water tank, on top of NW. corner of W. foundation pier; chiseled square-----	1, 465. 23
Crowell, at Foard County courthouse, on E. side of N. entrance, 11 ft. N. of main wall, 4 ft. from N. edge of entrance to basement, 18 ft. S. of N. end of N. entrance; standard tablet set vertically and stamped "M 67 1925" (recovered by U. S. C. & G. S. in 1933)-----	1, 475. 571
Reference mark, at E. entrance to courthouse, on NE. side of lower step; chiseled square-----	1, 475. 27

BENJAMIN NO. 2 QUADRANGLE

[Latitude 33°45'-34°00'; longitude 99°45'-100°00']

FOARD, KING, AND KNOX COUNTIES

From Benjamin No. 3 quadrangle northeast along Kansas City, Mexico & Orient Railway ³³ and adjacent State Highway 51 (present State Highway 18) into Benjamin No. 1 quadrangle (by E. R. Martin in 1925)

Truscott, 3.7 mi. NE. of, 35 ft. S. of center line of highway at turn N., in fence line, in concrete post, flush with ground; standard tablet stamped "M 62 1925"-----	1, 480. 056
Truscott, 5.7 mi. NE. of, at highway bridge over North Fork of Wichita River, in W. side of S. end, about 12 in. from end and 6 in. above floor; copper nail and washer-----	1, 374. 09
Truscott, 7.2 mi. NE. of, 3.0 mi. SW. of Foard City, at concrete highway bridge, in top of E. shoulder of N. abutment; standard tablet stamped "M 63 1925" (recovered by U. S. C. & G. S. in 1933)-----	1, 390. 365
Reference mark, at bridge, on top of E. side of S. abutment; chiseled square-----	1, 390. 34
Foard City, 0.9 mi. S. of, on top of E. side of concrete culvert; chiseled square-----	1, 473. 07
Foard City, at brick building owned by J. C. Coe, in E. wall, 2 ft. S. of N. edge and about 1 ft. above sidewalk; standard tablet set vertically and stamped "M 64 1925" (recovered by U. S. C. & G. S. in 1933)-----	1, 494. 334
Reference mark, 22 ft. S. of tablet, 5 in. E. of building, on sidewalk, 7 in. N. of S. edge; chiseled square-----	1, 493. 10
Foard City, 1.1 mi. NE. of, at concrete highway bridge, on top of SE. railing; chiseled square-----	1, 475. 41

³³ Now the Panhandle & Santa Fe Ry.

288 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Foard City, 3.0 mi. NE. of, 4.1 mi. SW. of Crowell, in center of top of E. head wall of concrete highway culvert; standard tablet stamped "M 65 1925" (recovered by U. S. C. & G. S. in 1933).....	Feet 1, 485. 784
Reference mark, 22 ft. W. of tablet, in center of top of W. railing of culvert; chiseled square.....	1, 484. 26

BENJAMIN NO. 3 QUADRANGLE

[Latitude 33°30'–33°45'; longitude 99°45'–100°00']

KING AND KNOX COUNTIES

From Haskell No. 2 quadrangle north along Kansas City, Mexico & Orient Railway³⁵ and adjacent State Highway 51 (present State Highway 16) into Benjamin No. 2 quadrangle (by E. R. Martin in 1925)

Benjamin, 3.4 mi. S. of, on W. side of rd., 15 ft. S. of junction of rd. W. to house on League estate, 25 ft. W. of center line of highway, in fence line, in concrete post, flush with ground; standard tablet stamped "M 56 1925".....	1, 418. 557
Reference mark, 64 ft. E. of tablet, in high-power electric pole, about 1 ft. above ground; copper nail and washer.....	1, 419. 97
Benjamin, 1.4 mi. S. of, at steel highway bridge about 200 ft. N. of similar bridge, on top of S. side of W. abutment; chiseled square...	1, 435. 91
Benjamin, on S. side of Knox County courthouse, 15 ft. W. of W. wall of SE. wing, 17 ft. E. of SW. corner, in concrete shoulder; standard tablet set vertically and stamped "M 57 1925" ³⁶ (recovered by U. S. C. & G. S. in 1933).....	1, 479. 587
Reference mark, 17 ft. E. of tablet, at S. entrance to courthouse, on top of W. balustrade; chiseled square.....	1, 480. 33
Benjamin, 3.2 mi. N. of, on W. side of highway, about 7 ft. S. of telephone pole, 1 ft. W. of fence line, in concrete post, flush with ground; standard tablet stamped "M 58 1925".....	1, 429. 607
Benjamin, 4.6 mi. N. of, at stone bridge over South Fork of Wichita River, on S. side of E. abutment; chiseled square.....	1, 353. 96
Benjamin, 6.8 mi. N. of, 6.3 mi. S. of Truscott, on W. side of highway, about 6 ft. S. of telephone pole, in fence line, in concrete post; standard tablet stamped "M 59 1925".....	1, 390. 875
Truscott, 2.4 mi. S. of, at steel highway bridge, in top of W. side of N. abutment; standard tablet stamped "M 60 1925".....	1, 455. 119
Reference mark, 15 ft. S. of tablet, on W. side of S. abutment of bridge; chiseled square.....	1, 455. 13
Truscott, 1.6 mi. S. of, 75 ft. E. of center line of highway, on property of J. S. Westbrook, on top of NE. corner of concrete water trough; chiseled square.....	1, 525. 47
Truscott, at SE. corner of bank building, in E. wall, about 1 ft. above sidewalk; standard tablet set vertically and stamped "M 61 1925" (recovered by U. S. C. & G. S. in 1933).....	1, 526. 372
Reference mark, 93 ft. S. of tablet, on NW. corner of concrete foundation of gasoline pump; chiseled square.....	1, 524. 82

³⁵ Now the Panhandle & Santa Fe Ry.

³⁶ In March 1935, permission to move or destroy this mark was given to contractors who were razing the old courthouse. No report of action taken has been received.

BERTRAM QUADRANGLE

[Latitude 30°30'–30°45'; longitude 98°00'–98°15']

BURNET, TRAVIS, AND WILLIAMSON COUNTIES

From Georgetown No. 3 quadrangle northwest along Austin & Northwestern Railroad ⁸⁷ into Burnet No. 1 quadrangle (by Thomas Winsor in 1898)

Bertram, 1.8 mi. SE. of, on SE. side of settlement rd., 43 ft. SW. of track; iron post stamped "1198 SA" (recovered by U. S. C. & G. S. in 1933)-----	Feet 1, 191. 129
Bertram, 120 ft. SE. of sta., 24 ft. SW. of track, on NW. side of Bertram-Brooks Mill rd.; iron post stamped "1266 SA" ⁸⁸ -----	1, 259. 510
From Burnet No. 1 quadrangle near south limits of Burnet south and southwest along Austin & Northwestern Railroad into Marble Falls quadrangle (by Thomas Winsor in 1898)	
Burnet, 2.1 mi. SW. of Burnet County courthouse at, on NW. side of Burnet-Marble Falls rd., 36 ft. NE. of track; iron post stamped "1250 SA"-----	1, 243. 232
From Burnet along roads generally south to Marble Falls-Smithwick road, thence west into Marble Falls quadrangle (by Thomas Winsor in 1898)	
Burnet, 3.5 mi. S. of, 300 ft. NW. of white farmhouse with green blinds, on E. side of rd., near corner of fence around cultivated field; iron post stamped "1230 SA"-----	1, 223. 488
Burnet, 6.0 mi. S. of, 3.2 mi. NE. of Mormon Mill, on SE. bank of Hairston Creek, 20 ft. SW. of rd.; iron post stamped "Prim Trav Sta No 50 K 1924 1044 SA"-----	1, 037. 518
Mormon Mill, about 200 yd. NE. of, 2.5 mi. N. of Hale Church, on E. side of rd., at junction of rd. SW. to mill; iron post stamped "Prim Trav Sta No 58 K 1924 839 SA"-----	832. 643
Hale Church, 100 ft. SE. of, on SW. side of rd., near picket fence corner, near NE. corner of arbor; iron post stamped "750 SA" (recovered in 1924)-----	743. 737
Hale Church, 2.8 mi. N. of, 3.5 mi. E. of Marble Falls, 120 ft. SE. of Pleasant Valley School, on NW. side of rd., near corner of rail fence around cultivated field; iron post stamped "795 SA"-----	788. 514
From point on Marble Falls-Smithwick road 4.2 miles east of Marble Falls along roads southeast to old Smithwick post office, thence northeast 3.8 miles, thence southeast to point 1 mile north of Travis Peak post office, thence north to Bertram (by Thomas Winsor in 1898)	
Marble Falls, 4.2 mi. E., thence 0.8 mi. SE. from, 4.9 mi. NW. of old Smithwick post office, about 0.2 mi. NE. of Pangle Crossing of Colorado River, at junction of Marble Falls-Smithwick and Burnet-Mormon Mill rds., on SW. side of rd., near rail fence; iron post stamped "732 SA" (recovered in 1930)-----	725. 629
Smithwick post office (now abandoned), 2.0 mi. NW. of, at intersection of Marble Falls-Smithwick, Marble Falls-Georgetown, and Burnet-Smithwick rds.; iron post stamped "900 SA" (recovered in 1930)-----	893. 541
Smithwick, at NE. corner of old post office and store, 2.0 mi. SW. of schoolhouse at present site of Smithwick, on W. side of rd.; iron post stamped "727 SA" (recovered in 1925)-----	720. 598

⁸⁷ Now part of the Texas & New Orleans Division of the Southern Pacific Co.⁸⁸ In 1933 it was reported that this bench mark had been covered by an embankment.

290 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS:

Smithwick post office, 3.7 mi. NE. of, 1.7 mi. NE. of Smithwick School, 4.5 mi. NW. of Hall ranch, 60 ft. SE. of intersection of Smithwick-Bagdad and Burnet-Corwin rds.; iron post stamped "842 SA" and "Prim Trav Sta No 53 K 1924 Texas" (recovered in 1925)-----	Fees 835. 611
Hall ranch, 1.5 mi. NW. of, on NE. side of rd., on E. side of creek, at point where rd. makes horseshoe bend, in top of ledge; aluminum tablet stamped "797 SA"-----	790. 814
Hall ranch, 2.8 mi. SW. of, 1.0 mi. N., thence 2.8 mi. by rd. W. from Travis Peak post office, at summit of hill, 10 ft. S. of rd.; iron post stamped "1098 SA"-----	1, 091. 646
Travis Peak, 1.0 mi. N. of, 19.3 mi. S. of Bertram, 50 ft. SE. of junction of Burnet-Austin rd. and settlement rd. NE. to Cow Creek; iron post stamped "858 SA" (recovered in 1930)-----	851. 742
Bertram, 16.2 mi. S. of, on SW. side of rd., on W. bank of Cow Creek, in limestone boulder; standard tablet stamped "855 SA"-----	848. 723
Bertram, 13.3 mi. S. of, 100 ft. SE. of point where rd. crosses Cow Creek, 20 ft. S. of rd.; iron post stamped "947 SA"-----	940. 426
Bertram, 10.5 mi. S. of, 2.0 mi. SW. of Wilks ranch, at junction of settlement rd. SW., 350 ft. NE. of milepost 16, on NW. side of rd.; iron post stamped "1142 SA"-----	1, 135. 324
Bertram, 7.6 mi. S. of, 0.9 mi. N. of Wilks ranch, in rd. fork, at junction of settlement rd. SE.; iron post stamped "1358 SA"-----	1, 351. 219
Bertram, 3.5 mi. S. of, on W. side of rd., on S. bank of Oatmeal Creek; iron post stamped "1137 SA"-----	1, 130. 299

From Marble Falls quadrangle along roads northeast to point 5 miles northeast of Hale Church, thence east and southeast to point 1.7 miles northeast of Smithwick School (by R. G. Clinite in 1924)

Marble Falls, 2.8 mi. NE. of, 2.2 mi. SW. of Hale Church, on E. side of rd., at gate across rd., at S. end of 1-mi. tangent of rd., in fence corner; iron post stamped "Prim Trav Sta No 59 K 1924 Texas C 1"-----	916. 107
Reference mark, 700 ft. N. of iron post, at junction of Mormon Mill-Marble Falls rd. and settlement rd., on NW. side of rd., 16 ft. S. of gate, in base of forked cedar tree; copper nail-----	900. 67
Hale Church, 1.7 mi. W. of, on W. side of Marble Falls-Mormon Mills rd., opposite gate of rd. to Hale Church, at N. end of stone fence, on S. side of gate, on bottom stone; chiseled square-----	894. 75
Hale Church, opposite entrance, 60 ft. N. of iron post stamped "750 SA," in root of 11-in. hackberry tree; copper nail ³⁸ -----	741. 78
Hale Church, 0.6 mi. NE. of, 80 ft. E. of rd. fork, in root of small mesquite tree; copper nail-----	790. 14
Hale Church, 1.8 mi. by rd. E. of, on N. side of trail, at turn, in root of northernmost of two live-oak trees; copper nail-----	1, 092. 02
Hale Church, 3.1 mi. NE. of, at Hitchcock place (abandoned), 110 ft. S. of shanty, 250 ft. S. of spring locally known as "Double Water Hole"; iron post stamped "C 2 1924"-----	1, 030. 364
Reference mark, 40 ft. NE. of iron post, in root on NW. side of 14-in. cedar tree; copper nail-----	1, 025. 90
Hale Church, 3.7 mi. NE. of, on E. side of rd. junction, in root of forked cedar tree; copper nail-----	1, 058. 75

³⁸ Established as a reference mark to permanent bench mark stamped "750 SA" and previously described.

	<i>Feet</i>
Hale Church, 5.0 mi. NE. of, on W. side of rd. opposite Percival dwelling, in root on SW. side of live-oak tree; copper nail.....	1, 081. 29
Sycamore Creek, E. of Percival house; surface of water Dec. 17, 1924.....	980. 5
Hale Church, 6.6 mi. NE. of, 1.7 mi. NE., thence 4.2 mi. NW. from Smithwick School, 1.0 mi. N. of Wildcat Mtn., on W. side of Smithwick-Burnet rd., 50 ft. S. of wooden gate, in base of forked cedar tree; copper nail.....	1, 181. 77
Smithwick School, 1.7 mi. NE., thence 3.0 mi. NW. from, 2.2 mi. NE. of Pepper ranch, at junction of second-class rd. SW. to Pangle Crossing of Colorado River, at SW. side of Wildcat Mtn., on E. side of rd.; iron post stamped "Prim Trav Sta No 52 K 1924 C 5".....	1, 186. 306
Reference mark, 17 ft. N. of iron post, in base of forked cedar tree; copper nail.....	1, 184. 69
Smithwick School, 1.7 mi. NE., thence 1.4 mi. NW. from, on W. side of Smithwick-Burnet rd., on rock bed near center of creek; chiseled cross (transit-traverse supplemental point).....	928. 12
Smithwick School, 1.7 mi. NE., thence 0.6 mi. NW. from, on W. side of Smithwick-Burnet rd., 180 ft. SE. of dwelling, 8 ft. NW. of gate, in root of live-oak tree; copper nail.....	895. 96
From Marble Falls quadrangle at point 3.9 miles south and 2.1 miles east from Marble Falls along roads generally east to point 1.6 miles southwest of Postoak Crossing of Colorado River, thence generally north to point 1.7 miles northeast of Smithwick School (by R. G. Clinite in 1925)	
Marble Falls, 4.1 mi. S. and 2.4 mi. E. from, 70 ft. SE. of rd. junction, on SW. side of rd., 140 ft. NW. of gate, in root of 12-in. mesquite tree; copper nail.....	903. 66
Doublehorn Creek; surface of water Jan. 20, 1925.....	818. 9
Marble Falls, 3.9 mi. S. and 3.4 mi. E. from, 1.5 mi. NW., thence 1.3 mi. W. from Rockvale Church, 110 ft. E. of ravine, on S. side of rd., 14 ft. SW. of gate, in root of 16-in. post-oak tree; copper nail.....	849. 52
Gridiron Branch of Doublehorn Creek; surface of water Jan. 20, 1925.....	771. 9
Rockvale Church, 1.5 mi. NW. of, 1.6 mi. SW., thence 4.4 mi. W. from Postoak Crossing of Colorado River, on W. side of rd., at NW. corner of crossroads, inside fence at corner; iron post stamped "Prim Trav Sta No 62 K 1924 Texas C 12" (recovered in 1930).....	874. 026
Reference mark, 30 ft. S. and 170 ft. W. from iron post, on large rock; chiseled square.....	864. 02
Postoak Crossing, 1.6 mi. SW., thence 3.2 mi. W. from, on S. side of rd., 180 ft. W. of gate, in root of 12-in. post-oak tree; copper nail.....	853. 69
Postoak Crossing, 1.6 mi. SW., thence 2.0 mi. W. from, on E. side of Yett Basin Pond, 100 ft. W. of dwelling, in root of 30-in. post-oak tree; copper nail.....	826. 40
Postoak Crossing, 1.6 mi. SW., thence 1.0 mi. W. from, about 4 mi. N. of Spicewood, in N. angle of crossroads, 25 ft. N. of gate, 3 ft. W. of fence; iron post stamped "C 13 1925".....	801. 751
Reference mark, 14 ft. SW. of iron post, in root of 20-in. post-oak tree; copper nail.....	801. 83
Postoak Crossing, 1.6 mi. SW. of, in NW. angle of junction of Postoak Crossing rd. and second-class rd., 90 ft. NE. of wooden gate, in root of 12-in. live-oak tree; copper nail (recovered in 1930).....	788. 61
Postoak Crossing, 0.6 mi. SW. of, at small cemetery, on W. side of rd., in root on W. side of 16-in. post-oak tree; copper nail.....	772. 30

292 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Postoak Crossing, on SE. bank of Colorado River, 3.4 mi. S. of Smithwick School, 25 ft. SW. of center line of rd. at its entrance to river bed, opposite mouth of Postoak Branch, in limestone ledge; standard tablet stamped "Prim Trav Sta No 65 K 1924 C 14"-----	Feet 641. 797
Colorado River; surface of water Jan. 22, 1925-----	636. 1
Postoak Crossing, 1.1 mi. NW. of, in S. angle of rd. junction, in root of 12-in. mesquite tree; copper nail-----	806. 97
Postoak Crossing, 2.1 mi. NW. of, 1.1 mi. SW. of Smithwick School, 0.9 mi. NE. of old Smithwick post office, 60 ft. S. of rd. junction, in SW. angle, in root of 26-in. live-oak tree; copper nail-----	860. 37
Smithwick School, 80 ft. SE. of, on S. side of rd., in root of 24-in. mesquite tree; copper nail-----	846. 99
Smithwick School, 1.1 mi. NE. of, on E. side of rd., at junction of lane to house, in root of 11-in. live-oak tree; copper nail-----	909. 66
From Spicewood quadrangle northwest along road 2.6 miles to point 1 mile north of Travis Peak post office (by E. E. Harris in 1930)	
Travis Peak post office, 0.6 mi. NE., thence 1.5 mi. SE. from, on SW. side of sharp turn in rd., in wash, on rock ledge; chiseled square----	815. 29
Travis Peak post office, 0.6 mi. NE., thence 0.9 mi. SE. from, on NE. side of rd., on SE. side of Postoak Creek, on prominent ledge; chiseled square-----	684. 00
Travis Peak post office, 0.6 mi. NE. of, on N. side of angle in rd., at junction of rd. SW. through plank gate to post office, on rock ledge; chiseled square-----	821. 88
From Spicewood quadrangle north along road 1 mile to point 1.6 miles southwest of Postoak Crossing of Colorado River (by E. E. Harris in 1930)	
Clover, 4.4 mi. NW. of, 2.0 mi. SW. of Postoak Crossing, 30 ft. E. of center line of rd., on S. side of creek, on prominent limestone ledge; chiseled square-----	729. 10
From point about 0.2 mile northeast of Pangle Crossing of Colorado River generally south along road to crossroads 1.5 miles northwest of Rockvale Church (by E. E. Harris in 1930)	
Colorado River, at Pangle Crossing; surface of water June 7, 1930---	668. 6
Pangle Crossing, about 0.4 mi. SW. of, in NW. corner of crossroads, in fence line, in root on N. side of 15-in. hackberry tree; copper nail and washer-----	749. 17
Pangle Crossing, about 1.4 mi. S. of, 100 ft. S. of house, on W. side of rd., on S. bank of drain, in root on W. side of prominent mesquite tree; copper nail and washer-----	772. 14
Pangle Crossing, about 2.2 mi. SW. of, 1.4 mi. NW. of Doublehorn School, 5.5 mi. along Austin rd. SE. of Marble Falls, in NE. corner of rd. junction, at foot of cliff, in large boulder; standard tablet stamped "H 135 1930"-----	747. 312
Reference mark, 83 ft. N.20°E. of tablet, on boulder; chiseled square--	745. 35
Doublehorn School, 0.9 mi. NW. of, at concrete causeway over Doublehorn Creek, in center of SW. edge; chiseled square-----	713. 08
Doublehorn School, 170 ft. S. of, 2.6 mi. NW. of Rockvale Church, 40 ft. W. of center line of rd., in root on SW. side of 12-in. live-oak tree; copper nail and washer-----	720. 86

From point 2 miles northwest of old Smithwick post office along roads west 1 mile, thence northeast to road junction southwest of Wildcat Mountain (by E. E. Harris in 1930)

Smithwick post office (abandoned), 2.0 mi. NW., thence 1.0 mi. W. from, 2.9 mi. SW. of old Pepper ranch, 230 ft. W. of Camp Creek, in NW. corner of rd. junction, in root on SE. side of 36-in. elm tree; copper nail and washer-----	Feet 705. 19
Pepper ranch, 2.1 mi. SW. of, 0.8 mi. N. of Camp Creek, on E. side of junction of rd. NW., in root on W. side of 6-in. mesquite tree; copper nail and washer-----	883. 06
Pepper ranch, 1.0 mi. SW. of, 500 ft. E. of gate, 36 ft. S. of center line of rd., on E. side of dim farm rd. S., in limestone ledge; standard tablet stamped "H 136 1930"-----	996. 242
Reference mark, 105 ft. S.10°E. of tablet, in root on NW. side of 12-in. cedar tree; copper nail and washer-----	989. 94
Pepper ranch, 60 ft. W. of, at NW. angle in rd., in bed of abandoned rd., on rock outcrop; chiseled square-----	952. 96
Pepper ranch, 0.8 mi. NE. of, on W. side of rd., 50 ft. S. of junction of drive-out rd., in root on N. side of 12-in. cedar tree; copper nail and washer-----	1, 029. 15

From Spicewood quadrangle at point about 1.5 miles southwest of Travis Peak post office along road northeast to crossroads 0.6 mile northeast of Travis Peak post office (by E. E. Harris in 1930)

Travis Peak post office, 1.4 mi. SW. of, on NE. side of angle in rd., near SE. end of earthen water tank, in root on S. side of 12-in. cedar tree; bolt head-----	977. 24
Travis Peak post office, 0.5 mi. SW. of, at summit of long grade, 13 ft. W. of center line of rd., 55 ft. S. of gate, in small rock ledge; standard tablet stamped "H 130 1930"-----	959. 160
Reference mark, 130 ft. S.45°W. of tablet, on rock outcrop; chiseled square-----	960. 91
Travis Peak post office, 500 ft. NW. of, on N. side of rd., 280 ft. W. of gate, in root on SE. side of prominent elm tree; copper nail and washer-----	776. 17

BLANCO NO. 2 QUADRANGLE

[Latitude 30°15'-30°30'; longitude 98°15'-98°30']

BLANCO AND BURNET COUNTIES

From Spicewood quadrangle near Cypress Mill northwest along roads by way of Round Mountain into Fredericksburg No. 1 quadrangle at point about 4 miles northwest of Smith ranch (by Thomas Winsor in 1898)

Cypress Mill, 3.0 mi. NW. of, 3.5 mi. SE. of post office at Round Mountain, at summit of hill, on N. side of rd., 2 ft. E. of telephone pole; iron post stamped "1172 SA"-----	1, 164. 764
Round Mountain, 0.25 mi. E. of post office at, 200 ft. NW. of Baptist Church, at rd. junction, 4 ft. W. of fence corner; iron post stamped "1292 SA"-----	1, 285. 026
U. S. C. & G. S. standard disk stamped "U 322 1935" ³⁹ -----	1, 302. 953
Round Mountain, 2.25 mi. NW. of, on S. side of rd., 4 ft. W. of gate to pasture; iron post stamped "1413 SA"-----	1, 406. 021
Round Mountain, 5.0 mi. NW. of, 3.1 mi. SE. of Smith ranch, on NW. side of rd., 18 ft. SE. of telephone pole at slight bend in rd.; iron post stamped "1374 SA"-----	1, 366. 809

³⁹ The tie between this mark and the bench mark stamped "1292 SA" was made in 1936.

294 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Smith ranch, at intersection of Fredericksburg-Marble Falls rd., on SW. side of rd., 5 ft. SE. of gate; iron post stamped "Prim Trav Sta No 69 K 1924 1171 SA"-----	Feet 1, 163. 945
Smith ranch, 3.0 mi. NW. of, on N. side of rd., 7 ft. N. of gate in division fence line; iron post stamped "Prim Trav Sta No 70 K 1924 1149 SA"-----	1, 142. 031

Along road southeast and northeast near Blanco-Llano and Burnet-Llano county lines (by R. G. Clinite in 1925)

[A jog from Marble Falls quadrangle]

Beakley Brothers ranch house, 1.6 mi. SE. of, on W. side of rd., at turn, in root on N. side of forked cedar tree; copper nail-----	1, 223. 85
Beakley Brothers ranch house, 1.8 mi. SE. of, about 0.7 mi. NW. of corner of Blanco, Burnet, and Llano Counties, in SE. angle of cross-roads; iron post stamped "C 7 1925"-----	1, 201. 023

BLANCO NO. 3 QUADRANGLE

[Latitude 30°00'-30°15'; longitude 98°15'-98°30']

BLANCO, COMAL, HAYS, AND KENDALL COUNTIES

From Smithson Valley quadrangle at point 3.4 miles northwest of Fischer Store along roads northwest and southwest and back into Smithson Valley quadrangle at point 0.2 mile south of Twin Sisters (by C. E. Reick in 1924)

Fischer Store, 4.5 mi. NW. of, 60 ft. NE. of gate to Live Oak ranch, in ledge; standard tablet stamped "R 17 Texas 1924"-----	1, 265. 698
Reference mark, about 500 ft. E. of Live Oak ranch gate, on S. side of rd., in root of 8-in. twin oak tree; copper nail-----	1, 275. 62
Fischer Store, 5.5 mi. NW. of, 150 ft. E. of white house at curve, in root of 8-in. oak tree; copper nail-----	1, 171. 54
Fischer Store, 6.9 mi. NW. of, 5.4 mi. NE. of post office at Twin Sisters, about 1 mi. W. of Einstrom ranch, on N. side of rd., in front of abandoned house, in root of 22-in. hackberry tree; copper nail-----	1, 178. 20
Twin Sisters, 4.2 mi. NE. of, on S. side of rd., on concrete culvert; chiseled square-----	1, 191. 59
Twin Sisters, 2.8 mi. E. of, on W. side of rd., 8 ft. E. of stone fence, in ledge; standard tablet stamped "R 18 Texas 1924"-----	1, 223. 38
Reference mark, 300 ft. S. of tablet, on W. side of rd., on ledge; chiseled square-----	1, 221. 54

[Line jogs into Smithson Valley quadrangle]

Twin Sisters, 860 ft. N. of post office, about 5 mi. S. of Blanco, at concrete bridge over Little Blanco River, in NW. corner of N. abutment; standard tablet stamped "Prim Trav Sta No 20 J 1924 Texas R 19" (recovered by U. S. C. & G. S. in 1935)-----	1, 259. 026
Reference mark, 240 ft. S. of tablet, on S. end of concrete coping of bridge; chiseled square-----	1, 261. 30

BLUM QUADRANGLE

[Latitude 32°00'-32°15'; longitude 97°15'-97°30']

BOSQUE, HILL, AND JOHNSON COUNTIES

From Cleburne No. 4 quadrangle northwest along Trinity & Brazos Valley Railroad ⁴⁰ to Covington, thence along roads west and southwest by way of Derden and Blum to Kimball (by W. A. Shumate in 1923)

⁴⁰ Now the Burlington-Rock Island R. R.

	<i>Feet</i>
Covington, at S. entrance to Christian Church, in lower concrete step; standard tablet stamped "S 4 Texas 1923" ⁴¹ -----	752. 517
Covington, near S. limits of, at house of S. C. Thames, on E. end of concrete step; chiseled square-----	744. 26
Covington, 0.9 mi. NW. of, on S. side of rd., 300 ft. E. of junction of private rd. N., in root on E. side of 48-in. oak tree; copper nail and washer-----	709. 49
Covington, 1.5 mi. NW. of, in SW. angle of crossroads, in root of 18-in. oak tree; copper nail and washer-----	747. 77
Covington, 2.6 mi. NW. of, on N. side of rd., 260 ft. W. of junction of rd. S., 170 ft. NE. of corner of house, in root of 12-in. oak tree; copper nail and washer-----	787. 62
Covington, 2.9 mi. NW. of, at Oak Hill School, on E. side of rd., about in line with rd. W., in concrete post; standard tablet stamped "S 5. 1923"-----	786. 547
Reference mark, 30 ft. S. and 100 ft. W. from entrance to Oak Hill School, in root of 30-in. post-oak tree; copper nail and washer-----	785. 35
Oak Hill School, 1.1 mi. NW. of, 0.9 mi. SE. of Derden, on E. side of rd., 15 ft. S. of house, in root on W. side of 36-in. oak tree; copper nail and washer-----	726. 82
Derden, near E. end of cemetery, 50 ft. W. of rd. fork, on large rock; chiseled square-----	735. 15
Derden, 1.0 mi. SW. of, in SE. angle of rd. junction, 3 ft. from fence corner, in concrete post; standard tablet stamped "S 6 1923"-----	685. 061
Reference mark, 100 ft. W. of rd. junction, on S. side of rd., in root of four-branch mesquite tree; copper nail and washer-----	684. 41
Derden, 2.3 mi. SW. of, 840 ft. E. of rd. junction, on S. side of rd., in front of old house, in root on W. side of 18-in. mesquite tree; copper nail and washer-----	702. 34
Derden, 3.6 mi. SW. of, 1.9 mi. NE. of Blum, on stone outcrop; chiseled square-----	665. 62
Blum, 0.3 mi. E. of, on W. side of rd., near S. end of concrete bridge; chiseled square-----	589. 99
Blum, near center of public square, 4 ft. W. of NW. corner of pavilion, in concrete post; standard tablet stamped "Prim Trav Sta No 36 C 1923 S 7"-----	593. 178
Reference mark, on W. side of public square, 100 ft. S. of intersection of cross street, on concrete watering trough; chiseled square-----	590. 49
Blum, 0.6 mi. W. of, near W. bank of Nolands River, on rocky ledge, near S. end; chiseled square-----	551. 52
Nolands River; surface of water Nov. 17, 1923-----	548. 7
Blum, 1.6 mi. W. of, on W. side of rd., 150 ft. N. of drain crossing, in root of 18-in. double elm tree; copper nail and washer-----	601. 66
Blum, 2.5 mi. W. of, on S. side of rd., 60 ft. W. of bend, on solid rock; chiseled square-----	693. 08
Blum, 2.9 mi. W. of, in NW. angle of junction of T-rd. NW., 1.5 ft. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 12 F 1923 S 14"-----	708. 249
Reference mark, in NE. angle of junction, on solid rock; chiseled square-----	707. 30
Blum, 3.9 mi. W. of, 2.9 mi. NE. of Kimball, 60 ft. S. of rd., 410 ft. W. of house, on connecting root between two 18-in. mesquite trees; copper nail and washer-----	696. 63

⁴¹ In 1939 it was reported that this bench mark was to be submerged by Possum Kingdom Dam.

296 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Kimball, 1.8 mi. NE. of, on W. side of rd., 300 ft. N. of bend, in root on W. side of 12-in. cedar tree; copper nail and washer.....	Feet 620. 24
Kimball, 1.6 mi. NE. of, in SW. angle of junction of rd. NW., 3 ft. W. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 13 F 1923 S 15".....	600. 433
Reference mark, in NW. angle of rd. junction, in root on S. side of 12-in. cedar tree; copper nail and washer.....	601. 00
Kimball, in SW. angle of crossroads, at old store building, on concrete step; chiseled square.....	551. 68
<p>From Blum north along Gulf, Colorado & Santa Fe Railway to Rio Vista, thence along roads southwest into Morgan quadrangle at point about 2 miles north of Kimball (by W. A. Shumate in 1923)</p>	
Blum, at R. R. bridge 303-A, on NE. abutment; chiseled square.....	590. 24
Blum, 1.0 mi. N. of, on E. side of track; on iron post used for milepost 304; highest point.....	598. 92
Blum, 3.0 mi. N. of, 3.2 mi. S. of Rio Vista, on E. side of track, 1.5 ft. W. of E. right-of-way fence, 350 ft. E. of dwelling, in concrete post; standard tablet stamped "Prim Trav Sta No 11 F 1923 S 18".....	634. 291
Rio Vista, 1.5 mi. S. of, on E. side of track, on iron post used for milepost 308; highest point.....	694. 92
Rio Vista, 0.5 mi. S. of, on E. side of track, on iron post used for milepost 309; highest point.....	727. 02
Rio Vista, at N. entrance to high school building, in W. column, 1.6 ft. above ground; standard tablet stamped "Prim Trav Sta No 10 F 1923 S 9".....	734. 630
Reference mark, at E. side of N. entrance, near N. edge of concrete porch; chiseled square.....	733. 20
Rio Vista, 0.6 mi. N., thence 0.6 mi. SW. from, 40 ft. S. of rd., near W. bank of drain, in root on N. side of 18-in. elm tree; copper nail and washer.....	676. 68
Rio Vista, 0.6 mi. N., thence 1.9 mi. SW. from, 3.1 mi. NE. of Plain View School, in SW. angle of crossroads, 3 ft. from fence, in concrete post; standard tablet stamped "Prim Trav Sta No 9 F 1923 S 10" ⁴²	666. 338
Reference mark, in NW. angle of crossroads, on masonry culvert; chiseled square.....	666. 12
Plain View School, 2.1 mi. NE. of, 126 ft. W. of junction of T-rd. NW., on N. side of rd., in root on E. side of 12-in. hackberry tree; copper nail and washer.....	732. 96
Plain View School, 1.6 mi. NE. of, 100 ft. W. of junction of rd. S., 40 ft. E. of lane N., on N. side of rd., on rock; chiseled square.....	764. 68
Plain View School, 0.6 mi. NE. of, on N. side of rd., about 300 ft. NE. of NE. corner of house, on solid rock; chiseled square.....	776. 01
Plain View School, 150 ft. S. of S. entrance, 300 ft. N. of rd., in large boulder; standard tablet stamped "Prim Trav Sta No 8 F 1923 S 11".....	793. 809
Reference mark, 200 ft. NE. of wagon shed, on solid rock; chiseled square.....	792. 67
Plain View School, 0.8 mi. SW. of, 90 ft. from junction of T-rd. SW., on S. side of rd., on solid rock; chiseled square.....	829. 85
Plain View School, 1.8 mi. SW. of, 50 ft. S. of S. end of small bridge, near E. bank of drain, on solid rock; chiseled square.....	700. 45

⁴²In 1937 this bench mark was reported destroyed.

Plain View School, 3.0 mi. SW. of, 1.0 mi. N. of Klondike, in NW. angle of junction of T-rd. NW., 2 ft. E. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 16 F 1923 S 12"-----	Feet 583. 759
Reference mark, on SE. side of rd., about in line with rd. NW., in root of 18-in. oak tree; copper nail and washer-----	584. 42
Klondike, at junction of old rd. SE., on E. side of rd., in center of old rd., on solid rock; chiseled square-----	528. 23
Klondike, 0.4 mi. SE. of, about 1,000 ft. SE. of stone house, on S. bank of Brazos River, in root on E. side of 18-in. elm tree leaning NW.; copper nail and washer-----	533. 75
Brazos River; surface of water Nov. 9, 1923 (river high)-----	511. 2
Klondike, 1.4 mi. SE. of, 4.3 mi. NE. of Kimball, 17 ft. S. of fence corner, in W. side of 24-in. red-oak tree; nail and washer-----	566. 59
From point 0.8 mile southwest of Plain View School along road northwest 3.7 miles into Cleburne No. 2 quadrangle (by W. A. Shumate in 1923)	
Plain View School, 0.8 mi. SW., thence 1.1 mi. NW. from, 300 ft. S. of crossroads, on E. side of rd., on solid rock; chiseled square-----	847. 54
Plain View School, 0.8 mi. SW., thence 2.2 mi. NW. from, on W. side of rd., in line with private rd. NE., on solid rock; chiseled square-----	838. 56
Plain View School, 0.8 mi. SW., thence 3.0 mi. NW. from, in S. angle of junction of T-lane SW., 3 ft. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 7 F 1923 S 17" ⁴³ -----	860. 702
Reference mark, on E. side of rd., 60 ft. SE. of junction of lane SW., on large rock; chiseled square-----	858. 61
From Whitney quadrangle northwest and west along Missouri-Kansas-Texas Railroad to point 1.8 miles west of Steiner, thence generally north along road near west border of quadrangle to Kimball (by E. E. Harris in 1923)	
Steiner, 1.3 mi. SE. of, 440 ft. N. of R. R. trestle over East Steeles Creek, 60 ft. S. of rd. crossing, 8 ft. W. of track, 40 ft. N. of water tank, on concrete foundation of old water tank; chiseled square-----	509. 66
Steiner, 330 ft. E. of sta., on S. side of track, on S. side of rd., in NW. corner of yard of William Palmer, in SW. corner of T-angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "H 44 1923" (recovered by U. S. C. & G. S. in 1933)-----	559. 467
Reference mark, 32.9 ft. N.50°W. of tablet, in root on S. side of 15-in. live-oak tree; copper nail and washer-----	559. 47
Steiner, in front of sta.; top of rail-----	561. 7
Steiner, 1,200 ft. W. of sta., in SE. corner of rd. crossing; top of section of rail-----	567. 28
Steiner, 1.8 mi. W. of, on E. side of rd. crossing, 90 ft. N. of track, in root on E. side of forked mesquite tree; copper nail and washer-----	597. 47
Steiner, 1.9 mi. W. of, on N. bank of rd., in line with second-class rd. S. crossing R. R. track just E. of milepost 47, in SE. corner of field of A. J. Barnes, in concrete post; standard tablet stamped "H 45 1923" ⁴⁴ (recovered by U. S. C. & G. S. in 1933)-----	596. 429
Steiner, 2.5 mi. NW. of, on N. side of angle in rd., 200 ft. W. of dwelling, in root on S. side of 10-in. cedar tree; copper nail and washer--	613. 24

⁴³ In 1937 this bench mark was reported destroyed.

⁴⁴ In 1931 this bench mark was removed during highway construction and reset approximately 1.3 feet higher than its original elevation. The figures given represent the new elevation. The following description of its present position was supplied by the U. S. Coast and Geodetic Survey:

Steiner, about 1.8 mi. W. of, about 500 ft. E. of milepost 47, in NE. corner of secondary rd. crossing, 25 ft. N. of center line of track, 15 ft. E. of rd., in field of G. W. Clardy, 6 ft. from right-of-way fence, in concrete post; standard tablet stamped "H 45 1923."

298 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Steiner, 3.1 mi. NW. of, in SE. corner of crossroads, in root on N. side of 24-in. live-oak tree; copper nail and washer-----	Feet 646. 68
[Line jogs into Morgan quadrangle]	
Steiner, 4.6 mi. NW. of, 2.6 mi. S. of Kopperl, on E. side of angle in rd., on N. side of farm rd. E., 80 ft. S. of dwelling, in corner of fence line, in concrete post; standard tablet stamped "H 56 1923"-----	520. 973
Reference mark, 37.3 ft. N. of tablet, in root on S. side of forked live-oak tree; copper nail and washer-----	520. 48
[Line jogs into Morgan quadrangle]	
Kopperl, 0.6 mi. SE. of, in NE. corner of crossroads, in fence line, in root on E. side of forked mesquite tree; copper nail and washer---	545. 47
[Line jogs into Morgan quadrangle]	
Kopperl, 1.0 mi. NE. of, 3.8 mi. S. of Kimball, in NE. corner of junction of rd. N., in crotch of mesquite tree; copper nail and washer--	555. 81
Kimball, 3.1 mi. S. of, in NE. corner of rd. junction, in root on S. side of forked mesquite tree; copper nail and washer-----	600. 58
Kimball, 2.1 mi. S. of, on W. bank of rd., 100 ft. S. of creek crossing, just N. of dwelling, 4 ft. W. of fence line, in concrete post; standard tablet stamped "H 58 1923"-----	580. 345
Reference mark, 105 ft. N.40°E. of tablet, in root on S. side of 18-in. oak tree; copper nail and washer-----	577. 21
Kimball, 1.4 mi. SE. of, 70 ft. E. of rd., 100 ft. N. of gap, in root on W. side of 12-in. cedar tree; copper nail and washer-----	623. 11
Kimball, 0.7 mi. SE. of, at small bridge, on W. side of rd., in root on E. side of 15-in. mesquite tree; copper nail and washer-----	544. 32
From Whitney quadrangle at point 0.5 mile south of Steiner along road northwest to point on Missouri-Kansas-Texas Railroad 0.2 miles west of Steiner (by E. E. Harris in 1923)	
Steiner, 0.4 mi. S. of, 150 ft. N. of Steeles Creek, on E. bank of rd., in root on E. side of 18-in. pecan tree; copper nail and washer-----	523. 55
From point 1.3 miles southeast of Steiner along roads northeast and east to Fort Graham, thence generally north to Blum (by E. E. Harris in 1923)	
Steiner, 1.3 mi. SE., thence 0.9 mi. NE. from, 1.6 mi. W. of Fort Graham, at old Fort Graham Ford, on W. bank of Brazos River, 60 ft. N. of rd., 3 ft. above ground, in lower limb of 24-in. sycamore tree; copper nail and washer-----	489. 24
Fort Graham, on S. side of rd., 40 ft. E. of junction of rd. N., in SW. corner of T-angle in fence line, 3 ft. from each fence line, in concrete post; standard tablet stamped "H 52 1923"-----	532. 249
Reference mark, 61.5 ft. S.80°W. of tablet, in crotch of mesquite tree; copper nail and washer-----	531. 91
Fort Graham, 0.5 mi. NW. of, in Y-rd. fork, in root on E. side of 10-in. live-oak tree; copper nail and washer-----	563. 34
Fort Graham, 1.3 mi. NW. of, on W. side of rd., on top of stone culvert; chiseled square-----	586. 30
Fort Graham, 2.0 mi. NW. of, on W. side of rd., at summit of grade, in front of dwelling, in root on E. side of 30-in. oak tree; copper nail and washer-----	658. 88
Fort Graham, 2.5 mi. NW. of, on S. side of Steiner Valley rd., 20 ft. E. of rd. S. through gate, on property of J. B. Hines, in concrete post; standard tablet stamped "H 53 1923"-----	626. 621

Reference mark, 187.7 ft. N.65°E. of tablet, in root on N. side of 12-in. water-elm tree; copper nail and washer.....	Feet 623. 13
Fort Graham, 3.3 mi. N. of, on W. side of rd., 140 ft. N. of jog in four rds., in root on E. side of small mesquite tree; copper nail and washer.....	630. 55
Fort Graham, 4.2 mi. N. of, on E. side of rd., at summit of grade, 1 ft. E. of fence line, 20 ft. N. of gate, on boulder, flush with ground; chiseled square.....	711. 83
Fort Graham, 5.6 mi. N. of, 6.0 mi. S. of Blum, in rd. fork, 1 ft. W. of fence line, 10 ft. S. of gate in fence line crossing rd., in concrete post; standard tablet stamped "H 54 1923".....	729. 626
Blum, 5.1 mi. S. of, at summit of grade, 50 ft. E. of rd., 12 ft. W. of fence line, on rock outcrop; chiseled square.....	675. 37
Blum, 3.9 mi. S. of, 340 ft. W. of gate across rd., 50 ft. N. of rd., in root on S. side of 10-in. mesquite tree; copper nail and washer.....	696. 56
Blum, 3.5 mi. S. of, at junction of rd. SE., on ledge of rock; chiseled square.....	724. 89
Blum, 2.6 mi. S. of, at junction of Blum-Fort Graham and Blum-Whitney rds., on W. side of rd., 15 ft. N. of gate across rd., in concrete post; standard tablet stamped "H 55 1923".....	650. 087
Reference mark, 45.4 ft. S. of tablet, in crotch of small mesquite tree; copper nail and washer.....	650. 04
Blum, 1.6 mi. S. of, at summit of grade, in center of rd., on large boulder; chiseled square.....	653. 32
Blum, 0.8 mi. S. of, 30 ft. W. of rd., in NW. corner of T-angle in fence line, in root on E. side of large mesquire tree; copper nail and washer.....	681. 47

BOYD QUADRANGLE

[Latitude 33°00'-33°15'; longitude 97°30'-97°45']

WISE COUNTY

From Denton No. 3 quadrangle at point west of Rhome generally northwest and west along roads to point 5.5 miles northwest of Boyd, thence generally south along roads and Chicago, Rock Island & Gulf Railway by way of Arkansas School and Keeter into Springtown quadrangle at point 0.4 mile north of Parker-Wise county line (by Crawford Dickey in 1924)

Aurora, in front of school, in center of triangle at rd. forks, in concrete post; standard tablet stamped "Prim Trav Sta No 18 Y 1924 D 1"....	818. 334
Reference mark, 230 ft. NW. of tablet, in root of tree; copper nail and washer.....	815. 49
Aurora, 1.3 mi. N. of, 130 ft. NE. of junction of rd. W., 100 ft. S. of drain, 4 ft. E. of wire fence, in root of 8-in. mesquite tree; copper nail and washer.....	711. 78
Aurora, 2.2 mi. NW. of, 40 ft. W. of junction of T-rd. W. through gate, in root of 4-in. oak tree; copper nail and washer.....	773. 65
Aurora, 2.9 mi. NW. of, 50 ft. SW. of crossroads, 15 ft. SW. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 19 Y 1924 D 2".....	787. 256
Reference mark, 101.5 ft. S.10°E. of tablet, in root of 12-in. oak tree; copper nail and washer.....	783. 93
Aurora, 4.2 mi. NW. of, about 1,500 ft. NE. of Deep Creek School, on E. side of rd. at angle, in root of 16-in. elm tree; copper nail and washer.....	852. 61

300 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Aurora, 5.4 mi. NW. of, on E. side of rd., 5 ft. E. of wire fence, in corner of timber, in root of 16-in. oak tree; copper nail and washer	Feet 842. 09
Aurora, 6.1 mi. NW. of, about 2 mi. S. of Herman, 30 ft. W. of junction of private rd. N., 12 ft. SW. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 20 Y 1924 D 3"	922. 068
Aurora, 7.2 mi. by rd. NW. of, about 5 mi. NE. of Boyd, in front of small house, at junction of rd. W. to large two-story white house, on W. side of main rd., in root of 24-in. oak tree; copper nail and washer	902. 17
Boyd, about 4 mi. N. of, 100 ft. E. of small creek, on N. side of rd., 1 ft. W. of fence corner, in root of 10-in. elm tree; copper nail and washer	782. 50
Annaville School, 0.6 mi. N. of, 1.1 mi. N. and 0.4 mi. E. from Annville, in NE. angle of junction of N.-S. rd., 6 ft. NE. of large oak tree, 5 ft. NE. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 21 Y 1924 D 4"	817. 428
Reference mark, 7.1 ft. S.30°W. of tablet, in root of 20-in. oak tree; copper nail and washer	816. 98
Annaville School, 0.3 mi. W. of, about 300 ft. W. of crossing of Walnut Creek, on N. side of rd., 12 ft. E. of fence line N., in root of 24-in. oak tree; copper nail and washer	738. 84
Annaville School, 1.2 mi. W., thence 0.3 mi. N. from, 200 ft. W. of junction of T-rd. W., on S. side of rd., in root of 6-in. oak tree; copper nail and washer	818. 32
Annaville School, 2.2 mi. W. and 0.3 mi. N. from, 0.9 mi. E., thence 0.5 mi. S. from Flatwoods School, at angle in rd., in root of 24-in. oak tree; copper nail and washer	767. 37
Flatwoods School, 0.9 mi. E. of, in SW. angle of junction of T-rd. W., in pasture, 13 ft. W. of large oak tree, 3 ft. S. of wire fence, in concrete post; standard tablet stamped "Prim Trav Sta No 22 Y 1924 D 5" (recovered by Texas Reclamation Dept. in 1927)	779. 880
Reference mark, 12.7 ft. N.40°E. of tablet, in root of 10-in. oak tree; copper nail and washer	779. 30
Flatwoods School, 250 ft. SW. of, 150 ft. E. of drain, on N. side of rd., in root of 20-in. oak tree; copper nail and washer	738. 91
Flatwoods School, 0.2 mi. W., thence 0.9 mi. SW. from, 4.4 mi. NW. along Chicago, Rock Island & Gulf Ry., thence 1.1 mi. N. along rd. from Boyd, 237 ft. SW. of steel bridge over West Fork of Trinity River, 3 ft. W. of wire fence; 5 ft. N. of large elm tree used as gatepost, in concrete post; standard tablet stamped "Prim Trav Sta No 23 Y 1924 D 6"	694. 193
Reference mark, 23.8 ft. S.45°E. of tablet, in root of 8-in. elm tree; copper nail and washer	693. 85
Boyd, 4.4 mi. NW. of, 100 ft. E. of crossing of second-class rd. and Chicago, Rock Island & Gulf Ry., in NW. abutment of wooden bridge over slough; copper nail and washer	690. 83
Boyd, 3.5 mi. NW. of, 0.8 mi. NW. of Kings Spur, 75 ft. S. of track, 1 ft. S. of wire fence, in root of 18-in. oak tree; copper nail and washer	692. 08
Boyd, 2.7 mi. NW. of; 0.8 mi. N. of Arkansas School, 1,240 ft. SE. of Kings Spur, on SW. side of track, 60 ft. W. of crossing of second-class rd., on bank, in concrete post; standard tablet stamped "Prim Trav Sta No 24 Y 1924 D 7"	707. 532
Reference mark, 54.5 ft. N.65°E. of tablet, in wooden culvert; copper nail and washer	702. 46

Boyd, 2.7 mi. NW., thence 0.7 mi. S. from, 500 ft. NW. of Arkansas School, 5 ft. W. of rd., in root of 10-in. oak tree; copper nail and washer-----	<i>Feet</i> 768.43
Boyd, 3.1 mi. by rd. W. of, 1.0 mi. SE., thence 0.6 mi. W. from Arkansas School, on N. side of Boyd-Garvin rd., 150 ft. W. of drain, 10 ft. N. of wire fence, on rock; chiseled square-----	741.76
Boyd, 3.4 mi. W., thence 0.8 mi. S. from, 0.2 mi. N. of main rd., on E. side of rd. at jog, 300 ft. W. of white house, on W. side of wire fence, in root of 18-in. oak tree; copper nail and washer-----	812.52
Boyd, 1.5 mi. W., thence 0.5 mi. S. from, near center of triangle at junction of T-rd. W., 9 ft. NE. of small elm tree, in concrete post; standard tablet stamped "Prim Trav Sta No 25 Y 1924 D 8"-----	738.191
Reference mark, 83.8 ft. W. of tablet, in root of 8-in. oak tree; copper nail and washer-----	732.87
Boyd, 1.5 mi. W., thence 1.4 mi. S. from, 50 ft. W. of junction of T-rd. E., 50 ft. NW. of mail box of J. M. Utley, in root of 10-in. oak tree; copper nail and washer-----	756.20
Boyd, 2.0 mi. W. and 1.8 mi. S. from, 1.1 mi. N. and 0.8 mi. E. from Keeter; 120 ft. W. of junction of private rd. N., in front of house, 50 ft. N. of rd., in root of 12-in. oak tree; copper nail and washer--	821.04
Keeter, 0.5 mi. NE. of, on W. side of rd., in front of cemetery, on bank, in root of 18-in. oak tree; copper nail and washer-----	852.57
Keeter, in front of schoolhouse, in circular well curb, in concrete; standard tablet stamped "Prim Trav Sta No 26 Y 1924 D 9"-----	823.785
Reference mark, 11.6 ft. N.60°W. of tablet, on concrete; chiseled square-----	823.73
Keeter, 1.1 mi. S. of, 510 ft. W. of junction of E.-W. rd., on S. side of rd. at turn from W. to S., in root of 20-in. oak tree; copper nail and washer-----	820.04
Keeter, 1.9 mi. S., thence 0.5 mi. W. from, on W. side of rd., 50 ft. S. of junction of T-rd. W., in root of 20-in. oak tree; copper nail and washer-----	877.43

BRADY NO. 3 QUADRANGLE

[Latitude 31°00'-31°15'; longitude 99°15'-49°30']

McCULLOCH COUNTY

From Brady No. 4 quadrangle along roads west to point 5.2 miles north of East Sweden School, thence south 6.2 miles, thence east and back into Brady No. 4 quadrangle (by E. E. Harris in 1925; releveled from point 4.2 miles north of East Sweden School)

East Sweden School, 5.2 mi. N. of, at junction of T-rd. S., on N. side of rd., in NE. corner of T-angle in fence line, 6 ft. from each fence, in stone post; standard tablet stamped "Prim Trav Sta No 8 F 1924 H 203"-----	1,818.146
Reference mark, 15.7 ft. S.15°E. of tablet, in root on S. side of small mesquite tree; copper nail and washer-----	1,817.41
East Sweden School, 4.2 mi. N. of, about 3.5 mi. W. of Rochelle, 80 ft. N. of State highway, on E. side of N.-S. rd., in crotch of small mesquite tree; copper nail and washer-----	1,768.67
East Sweden School, 3.1 mi. N. of, in NW. corner of crossroads, in root on N. side of small mesquite tree; copper nail and washer----	1,755.89

302 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

East Sweden School, 2.1 mi. N. of, 30 ft. N. and 50 ft. E. from jog in crossroads, 2 ft. S. of fence line, 3 ft. E. of prominent live-oak tree, in small limestone outcrop; standard tablet stamped "Prim Trav Sta No 7 F 1924 H 204"-----	Feet 1, 760. 954
Reference mark, 155 ft. S.20°E. of tablet, in root on E. side of prominent live-oak tree; copper nail and washer-----	1, 761. 32
East Sweden School, 0.9 mi. N. of, on E. side of rd., at summit of grade, on S. side of private rd. E. through plank gate, in root on N. side of 15-in. live-oak tree; copper nail and washer-----	1, 749. 32
East Sweden School, 200 ft. SE. of, 150 ft. S. of junction of rd. E., on W. side of rd., 3 ft. E. of fence line, in root on S. side of 24-in. mesquite tree; copper nail and washer-----	1, 732. 32
East Sweden School, 1.0 mi. S. of, 3.5 mi. W. of Richards ranch, 5.0 mi. E. of Brady, 140 ft. S. of rd. fork, 50 ft. W. of private rd. SE. through plank gate, 6 ft. E. of fence line, in small limestone outcrop; standard tablet stamped "Prim Trav Sta No 6 F 1924 H 205"-----	1, 711. 394
Reference mark, 382 ft. N.75°E. of tablet, in root on S. side of prominent live-oak tree; copper nail and washer-----	1, 704. 76
From point 1.1 miles south of East Sweden School along roads west 1 mile, thence south to point 5 miles northwest of Brooks ranch, thence southeast into Brady No. 4 quadrangle (by E. E. Harris in 1925)	
East Sweden School, 2.0 mi. S. and 1.0 mi. W. from, 3.7 mi. E. of Brady, on E. side of rd.; 8 ft. W. of fence line, in line with center of T-rd. W. to Brady, on prominent sandstone outcrop; chiseled square-----	1, 745 20
East Sweden School, 2.6 mi. S. and 1.0 mi. W. from, 5.0 mi. NW. of Brooks ranch, 70 ft. S. of right-angle turn E. in rd., on W. side of private rd. SE., 15 ft. W. of fence line, in rock outcrop; standard tablet stamped "H 210 1925"-----	1, 763. 813
Reference mark, 118 ft. N.35°E. of tablet, in root on E. side of 15-in. mesquite tree; copper nail and washer-----	1, 764. 82
Brooks ranch, 4.0 mi. NW. of, on S. side of rd., 3 ft. S. of fence line, 80 ft. E. of T-angle in fence line, in root on N. side of 10-in. mesquite tree; copper nail and washer-----	1, 711. 07
From point 3.7 miles east of Brady west along road into Eden No. 4 quadrangle at point near Whiteland (by E. E. Harris in 1925)	
Brady, 2.7 mi. E. of McCulloch County courthouse at, on S. side of rd., 150 ft. E. of T-rd. S., in fence line, in crotch of mesquite tree; copper nail and washer-----	1, 733. 92
Brady, 1.7 mi. E. of, 270 ft. E. of gate, on S. side of rd., 10 ft. S. of fence line, in root on N. side of 12-in. mesquite tree; copper nail and washer-----	1, 740. 44
Brady, 0.9 mi. E. of, 150 ft. S. of dwelling, on N. side of rd., at summit of grade, in root on N. side of prominent live-oak tree; copper nail and washer-----	1, 695. 40
Brady, in NW. corner of Brady National Bank Building, in N. face, 2 ft. above sidewalk, set vertically; standard tablet stamped "H 222 1925" (recovered by U. S. C. & G. S. in 1931)-----	1, 672. 418
Reference mark, 270 ft. E. of tablet, in NE. corner of street intersection, on concrete sidewalk; chiseled square-----	1, 669. 16
Brady, at McCulloch County courthouse, at E. entrance, in N. end of first stone step up from sidewalk; standard tablet stamped "H 223 1925" (recovered by U. S. C. & G. S. in 1931)-----	1, 672. 477

	<i>Feet</i>
Brady, in SW. corner of town, at city water tank, on NW. corner of NW. concrete base; chiseled square.....	1, 751. 23
Brady, 1.5 mi. SW. of, in SE. corner of crossroads, in root on E. side of 6-in. mesquite tree; copper nail and washer.....	1, 747. 81
Brady, 2.4 mi. SW. of, on N. side of rd., at E. end of small bridge over creek, on flat boulder; chiseled square.....	1, 695. 15
Brady, 3.8 mi. SW. of, 3.2 mi. E. of Dodge School, on N. side of rd., at summit of grade, 4 ft. S. of fence line, in boulder; standard tablet stamped "H 224 1925".....	1, 816. 239
Reference mark, 145 ft. S.45°E. of tablet, on sandstone boulder; chiseled square.....	1, 817. 42
Dodge School, 2.2 mi. E. of, on N. side of angle in rd., on flat boulder; chiseled square.....	1, 759. 75
Dodge School, 1.1 mi. E. of, on N. side of angle in rd., 140 ft. W. of lane N., 200 ft. E. of junction of lane S., on sandstone boulder; chiseled square.....	1, 780. 94
Dodge School, at entrance, in N. end of stone steps; standard tablet stamped "H 225 1925".....	1, 777. 614
Dodge School, 1.0 mi. W. of, on N. side of angle in rd., in line with T-rd. S., in root on N. side of 6-in. mesquite tree; copper nail and washer.....	1, 810. 72
Dodge School, 1.9 mi. W. of, on N. side of rd., 100 ft. E. of private rd. N. through gate, in root on S. side of small mesquite tree; copper nail and washer.....	1, 857. 10
Dodge School, 3.1 mi. W. of, 3.0 mi. SE. of Whiteland, at rd. fork, in center of W. concrete wall of cattle guard crossing rd.; standard tablet stamped "H 226 1925".....	1, 841. 161
Reference mark, 211 ft. N. of tablet, in root on N. side of 18-in. live-oak tree; copper nail and washer.....	1, 839. 67
Whiteland, 2.0 mi. SE. of, 60 ft. W. of rd., in root on E. side of 15-in. live-oak tree; copper nail and washer.....	1, 855. 58
Whiteland, 0.9 mi. SE. of, on W. side of rd., 550 ft. S. of rd. fork, in root on N. side of 8-in. mesquite tree; copper nail and washer.....	1, 794. 04

BRADY NO. 4 QUADRANGLE

[Latitude 31°00'-31°15'; longitude 99°00'-99°15']

McCULLOCH AND SAN SABA COUNTIES

From Mercury quadrangle near Sellman ranch southwest to point 0.25 mile southeast of Sellman ranch, thence west to point 0.9 mile north of Rochelle, thence north and back into Mercury quadrangle (by E. E. Harris in 1925; leveled twice)

Sellman ranch house, 0.25 mi. SE. of, on N. side of State highway, 15 ft. W. of jog in fence line, 60 ft. S. of outhouse, 3 ft. S. of fence line, in top of limestone ledge; standard tablet stamped "Prim Trav Sta No 1 F 1924 H 199 1925" ⁴⁵	1, 574. 340
Sellman ranch house, 2.3 mi. W. of, 0.9 mi. N. and 3.6 mi. E. from Rochelle, on N. side of State highway, at summit of grade, 150 ft. W. of angle in rd., 5 ft. S. of fence line, in rock ledge; standard tablet stamped "Prim Trav Sta No 11 F 1924 H 200 1925" ⁴⁵	1, 685. 492

⁴⁵In 1936 this bench mark was reported destroyed in highway construction.

304 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Rochelle, 0.9 mi. N. of, in SE. corner of junction of T-rd. E., in right angle in fence line, 2 ft. E. of fence post, in sandstone post; standard tablet stamped "Prim Trav Sta No 10 F 1924 H 201"-----	Feet 1, 774. 341
Reference mark, 350 ft. S.40°W. of tablet, in center of top of parapet of concrete culvert; chiseled square-----	1, 770. 66
U. S. C. & G. S. standard disk stamped "R 75 1931" ⁴⁷ -----	1, 770. 088

From Mercury quadrangle along roads south to point 1.5 miles north and 2 miles west from Rochelle, thence west into Brady No. 3 quadrangle (by E. E. Harris in 1925)

Rochelle, 1.5 mi. N. and 2.0 mi. W. from, 5.2 mi. N. and 1.0 mi. E. from East Sweden School, 130 ft. N. and 20 ft. E. from crossroads, in root on N. side of prominent live-oak tree; copper nail and washer ⁴⁸ -----	1, 801. 85
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From Brady No. 3 quadrangle along roads generally east to point 3.7 miles east of Neil ranch, thence north to Sellman ranch (by E. E. Harris in 1925; leveled twice from point 0.8 mile east of Neil ranch)

Richards ranch house, 1.5 mi. W. of, on N. side of rd., in root on S. side of 18-in. live-oak tree; copper nail and washer-----	1, 695. 69
Richards ranch house, 0.5 mi. W. of, on S. side of rd., at junction of old wagon rd., in root on N. side of prominent live-oak tree; copper nail and washer-----	1, 675. 31
Richards ranch house, about 700 ft. W. of house, 30 ft. N. of rd., just W. of clump of small live-oak trees, in limestone outcrop; standard tablet stamped "Prim Trav Sta No 5 F 1924 H 206"-----	1, 657. 500
Reference mark, 131 ft. N.70°E. of tablet, in root on S. side of 6-in. live-oak tree; copper nail and washer-----	1, 663. 48
Richards ranch house, 0.9 mi. NE. of, 2.8 mi. W. of Neil ranch house, on W. side of rd., 60 ft. S. of rd. fork, 20 ft. N. of gate in fence line crossing rd., in root on E. side of 12-in. live-oak tree; copper nail and washer-----	1, 658. 53
Neil ranch house, 1.6 mi. W. of, on N. side of rd., 10 ft. E. of gate in fence line crossing rd., in root on N. side of small mesquite tree; copper nail and washer-----	1, 650. 91
Neil ranch house, 0.5 mi. W. of, on N. side of rd., in root on S. side of 15-in. live-oak tree; copper nail and washer-----	1, 594. 04
Neil ranch house, about 250 ft. NW. of house, 80 ft. S. of fence line, on N. side of rd., on slope of hill, in limestone outcrop; standard tablet stamped "Prim Trav Sta No 4 F 1924 H 207"-----	1, 565. 118
Reference mark, 150 ft. S.80°E. of tablet, in root on S. side of 30-in. live-oak tree; copper nail and washer-----	1, 562. 84
Neil ranch house, 0.8 mi. E. of, in old rd. fork, 330 ft. SE. of ford across Little Brady Creek, in root on W. side of 15-in. live-oak tree; copper nail and washer-----	1, 540. 96
Little Brady Creek, in center of ford, at water level; top of boulder---	1, 531. 6
Neil ranch house, 1.8 mi. E. of, just E. of summit of grade, on S. side of rd., in root on W. side of 15-in. mesquite tree; copper nail and washer-----	1, 633. 28
Neil ranch house, 2.7 mi. E. of, on S. side of rd., in draw, on top of rock ledge, marked by cairn; chiseled square-----	1, 585. 64

⁴⁷ The tie between this mark and the bench mark with elevation of 1,770.66 feet was made in 1936.

⁴⁸ In 1936 this bench mark was reported destroyed in highway construction.

Neil ranch house, 3.7 mi. E. of, 4.8 mi. S. of Sellman ranch house, 6.0 mi. N. and 1.2 mi. W. from Sorrells ranch house, 50 ft. N. of gate in N.-S. fence line crossing rd., 15 ft. E. of fence line, in limestone outcrop; standard tablet stamped "Prim Trav Sta No 3 F 1924 H 208"	Feet 1, 675. 147
Reference mark, 104 ft. S.15°W. of tablet, in root on W. side of 15-in. mesquite tree; copper nail and washer	1, 676. 18
Sellman ranch, 4.0 mi. S. of, on W. side of rd., just S. of wide draw, in root on E. side of 10-in. mesquite tree; copper nail and washer	1, 661. 46
Sellman ranch, 3.2 mi. S. of, 60 ft. W. of rd., on slope of hill, halfway to summit, in flat boulder; standard tablet stamped "Prim Trav Sta No 2 F 1924 H 209"	1, 703. 575
Reference mark, 201 ft. S.20°E. of tablet, in root on W. side of 8-in. mesquite tree; copper nail and washer	1, 698. 72
Sellman ranch, 2.2 mi. S. of, on E. side of angle in rd., in root on E. side of 6-in. live-oak tree; copper nail and washer	1, 738. 29
Sellman ranch, 1.5 mi. S. of, 30 ft. W. of rd., in root on W. side of 26-in. live-oak tree; copper nail and washer	1, 667. 66
Sellman ranch, 0.6 mi. S. of, on W. side of angle in rd., 20 ft. NE. of gate in N.-S. fence line, in root on E. side of prominent mesquite tree; copper nail and washer	1, 608. 71

From Brady No. 3 quadrangle at point about 3.5 miles northwest of Brooks ranch along roads alternately southeast and southwest to Voca, thence northeast and north to point 3.7 miles east of Neil ranch (by E. E. Harris in 1925; leveled twice from point 6.2 miles northwest of Voca)

Brooks ranch, 3.0 mi. NW. of, in center of rd. W., in line with lane S., 35 ft. W. of N.-S. fence line, on rock outcrop; chiseled square	1, 645. 61
Brooks ranch, 2.0 mi. NW. of, 30 ft. W. of angle in rd., 300 ft. W. of Brady Creek ford, in prominent granite outcrop; standard tablet stamped "H 211 1925"	1, 584. 540
Reference mark, 125 ft. N.20°E. of tablet, in root on N. side of 8-in. mesquite tree; copper nail and washer	1, 583. 58
Brady Creek, at ford; surface of water Jan. 26, 1925	1, 573. 5
Brooks ranch, 0.9 mi. W. of, on S. side of rd., 70 ft. W. of plank gate in fence line crossing rd., in root on N. side of 10-in. mesquite tree; copper nail and washer	1, 652. 91
Brooks ranch, 0.5 mi. SW. of, on E. side of rd., at summit of grade, in root on E. side of 6-in. mesquite tree; copper nail and washer	1, 654. 64
Brooks ranch, 1.6 mi. SW. of, 70 ft. S. of plank gate in fence line crossing rd., on E. side of rd., on N. side of small drain, in granite outcrop; standard tablet stamped "H 212 1925"	1, 591. 126
Reference mark, 103.5 ft. S. of tablet, on boulder; chiseled square	1, 596. 49
Brooks ranch, 2.6 mi. SW. of, 80 ft. W. of rd. fork, in root on E. side of 30-in. live-oak tree; copper nail and washer	1, 646. 19
Brooks ranch, 3.8 mi. SW. of, 800 ft. NE. of plank gate in fence line crossing rd., 40 ft. SE. of rd., in root on E. side of prominent live-oak tree; copper nail and washer	1, 695. 94
Brooks ranch, 5.2 mi. SW. of, 20 ft. W. of gate in fence line crossing rd., 40 ft. S. of rd., at summit of grade, in rock outcrop; standard tablet stamped "H 213 1925"	1, 752. 720
Reference mark, 417.5 ft. W. of tablet, on rock outcrop; chiseled square	1, 756. 43
Brooks ranch, 6.4 mi. SW. of, 6.2 mi. NW. of Voca, 80 ft. NE. of main highway, 60 ft. E. of ranch rd., in root on N. side of 12-in. mesquite tree; copper nail and washer	1, 766. 64

306 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Voca, 5.3 mi. NW. of, on S. side of rd., on S. edge of concrete dip; chiseled square.....	1, 698. 07
Voca, 4.3 mi. NW. of, on N. side of rd., in top of limestone ledge; standard tablet stamped "H 214 1925".....	1, 701. 123
Reference mark, 78 ft. N.40°W. of tablet, on top of limestone ledge; chiseled square.....	1, 701. 80
Voca, 3.3 mi. NW. of, in Y-rd. fork, 15 ft. W. of corner fence post, on rock outcrop; chiseled square.....	1, 619. 08
Voca, 2.4 mi. NW. of, on N. side of rd., opposite junction of rd. SW., 5 ft. S. of fence line, on top of limestone ledge; chiseled square....	1, 569. 23
Voca, 1.4 mi. NW. of, 400 ft. W. of highway bridge over San Saba River, 50 ft. S. of rd., in root on W. side of 18-in. pecan tree; copper nail and washer.....	1, 504. 06
San Saba River, under bridge; surface of water Feb. 5, 1925.....	1, 478. 5
Voca, at W. end of, on E. side of rd., in line with T-rd. W., 50 ft. E. of fence line, in root on S. side of 24-in. post-oak tree; copper nail and washer.....	1, 561. 25
Voca, on S. side of rd., in NW. corner of concrete store building of J. E. Spiller, 2 ft. above ground, 1 ft. S. of corner, set vertically; standard tablet stamped "H 215 1925".....	1, 554. 591
Reference mark, 104 ft. S.35°W. of tablet, in root on E. side of 8-in. mesquite tree; copper nail and washer.....	1, 552. 84
Voca, 1.1 mi. E. of, in SW. angle of junction of T-rd. W., in root on N. side of 20-in. post-oak tree; copper nail and washer.....	1, 551. 52
Voca, 2.1 mi. NE. of, on S. side of rd. at summit of grade, 300 ft. W. of house, 100 ft. E. of dipping vat, 3 ft. S. of fence line, in root on N. side of 18-in. mesquite tree; copper nail and washer.....	1, 549. 45
Voca, 3.0 mi. NE. of, 500 ft. E. of right-angle turn in rd., 300 ft. W. of house, on S. side of rd., halfway up hill, 2 ft. S. of fence line, in top of red sandstone ledge; standard tablet stamped "H 216 1925".....	1, 523. 453
Reference mark, 660 ft. W. of tablet, on W. side of rd., just S. of right-angle turn E. in rd., in root on E. side of 12-in. post-oak tree; copper nail and washer.....	1, 532. 35
Voca, 4.0 mi. NE. of, on S. side of rd., 200 ft. E. of draw, 35 ft. E. of gate, 10 ft. S. of fence line, in root on N. side of 18-in. mesquite tree; copper nail and washer.....	1, 482. 24
Voca, 4.4 mi. NE. of, on S. bank of Long Valley Ford across San Saba River, on E. side of rd., in root on W. side of leaning willow tree; copper nail and washer.....	1, 448. 23
San Saba River, at Long Valley Ford; surface of water Feb. 5, 1925....	1, 444. 5
Voca, 5.4 mi. NE. of, 1.0 mi. S. of Martin School, on N. side of angle in rd., 20 ft. N. of fence line, in root on W. side of 36-in. live-oak tree; copper nail and washer.....	1, 499. 86
Martin School, 130 ft. SW. of, 250 ft. W. of junction of T-rd. S., 15 ft. N. of fence line, at summit of grade, in limestone outcrop; standard tablet stamped "H 217 1925".....	1, 571. 764
Reference mark, 118 ft. S.45°E. of tablet, on top of limestone ledge; chiseled square.....	1, 564. 44
Martin School, 1.0 mi. E. of, just E. of summit of grade, in center of rd., in root on W. side of prominent live-oak tree; copper nail and washer.....	1, 621. 87
Martin School, 1.5 mi. E. of, 20 ft. S. of right-angle turn N. in rd., on rock ledge; chiseled square.....	1, 539. 63

	<i>Feet</i>
Martin School, 1.5 mi. E., thence 1.0 mi. N. from, in center of right-angle turn E. in rd., 35 ft. S. of gate at rd. fork, in root on S. side of 8-in. mesquite tree; copper nail and washer-----	1, 568. 32
Martin School, 2.3 mi. E. and 1.0 mi. N. from, 2.0 mi. S. of Sorrells ranch house, on S. side of rd., on E. side of fence marking McCulloch-San Saba county line, in stone post; standard tablet stamped "H 218 1925"-----	1, 544. 182
Reference mark, 36.6 ft. N. of tablet, in root on NW. side of 10-in. mesquite tree; copper nail and washer-----	1, 544. 18
Sorrells ranch house, 1.4 mi. S. of, 50 ft. E. of rd. junction, 20 ft. N. of gate in fence line crossing rd., on E. side of rd., in root on N. side of small mesquite tree; copper nail and washer-----	1, 564. 66
Sorrells ranch house, 0.7 mi. S. of, 40 ft. N. of gate in fence line crossing rd., on E. side of rd., in root on W. side of small mesquite tree; copper nail and washer-----	1, 560. 47
Sorrells ranch house, 200 ft. N. of, 40 ft. S. of gate in fence line crossing rd., on W. side of rd., in top of prominent sandstone ledge; standard tablet stamped "H 219 1925"-----	1, 595. 991
Reference mark, 168 ft. S.15°W. of tablet, in root on SE. side of 15-in. live-oak tree; copper nail and washer-----	1, 596. 14
Sorrells ranch house, 0.9 mi. N. of, on E. side of rd., in root on N. side of leaning live-oak tree; copper nail and washer-----	1, 524. 44
Sorrells ranch house, 1.9 mi. N. of, on E. side of angle in rd., just N. of summit of grade, in root on N. side of crooked mesquite tree; copper nail and washer-----	1, 491. 59
Sorrells ranch house, 2.3 mi. N. of, 30 ft. NE. of angle in rd. up hill, on N. side of Brady Creek, about 1,000 ft. W. of Long Valley Ford, in top of prominent rock ledge; standard tablet stamped "H 220 1925"-----	1, 415. 852
Reference mark, 435 ft. S.45°W. of tablet, in root on SE. side of 12-in. water-elm tree; copper nail and washer-----	1, 410. 89
Sorrells ranch house, 3.1 mi. N. of, in Y-rd. fork, just S. of salt house, on conglomerate stone; chiseled square-----	1, 501. 49
Sorrells ranch house, 4.0 mi. N. of, 40 ft. NE. of rd., 250 ft. NW. of tank, in root on S. side of prominent live-oak tree; copper nail and washer-----	1, 552. 66
Sorrells ranch house, 5.1 mi. N. of, 60 ft. W. of rd., on S. bank of small drain, in rock ledge; standard tablet stamped "H 221 1925"-----	1, 593. 609
Reference mark, 164 ft. N. of tablet, in root on N. side of 6-in. mesquite tree; copper nail and washer-----	1, 596. 74
Sorrells ranch house, 6.0 mi. N. of, 350 ft. SE. of gate in N.-S. fence line crossing rd., on E. side of rd. fork, in root on W. side of 5-in. mesquite tree; copper nail and washer-----	1, 627. 08

BRECKENRIDGE NO. 2 QUADRANGLE

[Latitude 32°45'-33°00'; longitude 98°45'-99°00']

STEPHENS, THROCKMORTON, AND YOUNG COUNTIES

From Ivan quadrangle at point 5.5 miles northwest of Ivan along roads northwest and northeast into Newcastle No. 3 quadrangle at point 4 miles northeast of Eliasville (by S. R. Archer in 1924)

Eliasville, 0.8 mi. SE. of, 0.2 mi. S. of right-angle turn W. in rd., on W. side of rd., 300 ft. S. of house on E. side of rd., 15 ft. N. of drain, at fence corner, in root on NE. side of 8-in. oak tree used as corner post of fence line N.: copper nail and washer-----	1, 113. 59
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	<i>Feet</i>
Eliasville, on S. side of town, at summit of hill, 175 ft. W. of street intersection, on S. side of street W., at entrance to Methodist Church, on top of W. end of concrete doorsill; chiseled square-----	1, 143. 34
Eliasville, at NW. corner of Main Street intersection, at SE. corner of First State Bank building, on N. side of corner entrance, in stone wall of building, 3 ft. above sidewalk; standard tablet stamped "A 16 1924"-----	1, 067. 490
Reference mark, at SW. corner of street intersection, at NE. corner entrance of brick store building owned by William T. Donnell, on W. end of concrete doorsill; chiseled square (recovered by U. S. C. & G. S. in 1933)-----	1, 066. 081
Eliasville, 0.6 mi. NW. of, in SW. angle of crossroads, 20 ft. S. of fence corner, in root on NW. side of 12-in. live-oak tree; copper nail and washer-----	1, 059. 46
Eliasville, 1.9 mi. NE. of, 0.2 mi. SW. of angle to E. in rd., 0.2 mi. SW. of highway bridge over drain and cattle run, on S. side at small angle in rd., at angle in fence line, 10 ft. W. of corner of fence S., in rd. fence line, in root on S. side of 24-in. oak tree; copper nail and washer-----	1, 057. 72
Eliasville, 2.6 mi. NE. of, at angle to N. in rd., 15 ft. NW. of farmhouse on E. side of rd. at bend, at SE. corner of small earth tank, in root on W. side of 12-in. mesquite tree; copper nail and washer----	1, 077. 25
Eliasville, 3.2 mi. NE. of, 6.5 mi. SW. of South Bend, at junction of rds. to Newcastle and South Bend, on S. side of rd., opposite rd. N., in fence line, in concrete post; standard tablet stamped "A 17 1924"-----	1, 082. 847
Reference mark, 65 ft. SW. of tablet, on S. side of rd., in fence corner, in root on NW. side of 10-in. oak tree; copper nail and washer----	1, 080. 45

BRECKENRIDGE NO. 4 QUADRANGLE

[Latitude 32°30'-32°45'; longitude 98°30'-98°45']

EASTLAND, PALO PINTO, AND STEPHENS COUNTIES

From Ivan quadrangle at point 2 miles west of Brad southwest along State highway (probably present U. S. Highway 80-A) to Caddo, thence northeast along road about 3 miles and back into Ivan quadrangle (by E. O. Brooks in 1924)

Brad, about 4 mi. SW. of, 0.2 mi. E. of store of Jerry Hart, on S. side of highway, on E. side of small drain, in right-of-way fence line, 25 ft. W. of gate; iron post stamped "EB 5 1924"-----	1, 279. 887
Reference mark, 45 ft. E. of iron post, on large flat rock; chiseled square-----	1, 279. 11
Brad, 4.8 mi. SW. of, 0.6 mi. W. of Hart store, near Palo Pinto-Stephens county line, in center of S. side of bridge over drain, in center of top of concrete base of railing; chiseled square-----	1, 280. 46
Brad, 5.5 mi. SW. of, at SW. corner of bridge over Little Caddo Creek, on top of concrete base of railing; chiseled square-----	1, 275. 34
Brad, 6.5 mi. SW. of, 3.6 mi. E. of Caddo, on N. side of highway, 150 ft. SE. of farmhouse of D. R. Whitley, in crotch of twin oak trees; copper nail and washer-----	1, 313. 48
Caddo, 2.9 mi. E. of, on N. side of highway, 1 ft. S. of fence, opposite gate at T-rd. S.; iron post stamped "EB 6 1924" (recovered by U. S. C. & G. S. in 1934)-----	1, 377. 881
Reference mark, 650 ft. W. of iron post, at N. end of highway culvert, in center of top of concrete head wall; chiseled square-----	1, 377. 42
Caddo, 2.3 mi. E. of, at SW. corner of bridge over drain, on top of W. end of concrete base of railing; chiseled square-----	1, 342. 80

Caddo, 0.8 mi. E. of, on N. side of highway, at curve, 150 ft. W. of junction of T-rd. S., at E. end of highway culvert, on top of concrete head wall; chiseled square.....	Fet 1, 290. 76
Caddo, in NW. corner of schoolyard, 5 ft. S. and 1 ft. E. from fence corner, in concrete post; standard tablet stamped "EB 7 1924" (recovered by U. S. C. & G. S. in 1934).....	1, 244. 430
Reference mark, 80 ft. N. and 190 ft. W. from tablet, in root on S. side of twin pecan trees; copper nail and washer.....	1, 245. 28
Caddo, 0.8 mi. NE. of, 10 ft. N. of rd., opposite W. steel tank of Prairie Pipe Line Co., on large flat rock; chiseled square.....	1, 249. 19
Caddo, 2.1 mi. NE. of, at summit of ridge, on E. side of rd., at curve, in right-of-way fence line, opposite corner of field fence, on flat rock; chiseled square.....	1, 228. 69
From point 0.8 mile east of Caddo generally south along roads to Wiles, thence northeast along Texas & Pacific Railway 0.9 mile (by S. R. Archer in 1924)	
Caddo, 0.8 mi. E., thence 1.2 mi. S. from, at E.-W. fence line crossing rd., 85 ft. W. of fence corner, on W. side of cattle pit, in root on N. side of 4-in. oak tree used as fence post to which is fastened the top end of W. triangular frame of cattle guard; copper nail and washer.....	1, 348. 04
Caddo, 0.8 mi. E., thence 2.2 mi. S. from, 0.5 mi. N. of Mid-Kansas Oil Co. camp, 0.2 mi. N. of E.-W. fence line crossing rd., at 42-in. and 12-in. oak trees standing together in center of rd., in root on NW. side of larger tree; copper nail and washer.....	1, 414. 96
Caddo, 0.8 mi. E., thence 2.7 mi. SE. from, at Mid-Kansas Oil Co. camp, on W. side of rd., 5 ft. S. and 20 ft. E. from SE. corner of residence of superintendent (northernmost of row of houses), 13 ft. S. of E. end of concrete walk leading to front entrance, in SE. corner of yard, on N. side of driveway, inside pipe railing; iron post stamped "A 20 1924".....	1, 447. 764
Reference mark, 16 ft. N. of iron post, at E. end of concrete walk to entrance of superintendent's residence, on N. corner of walk; chiseled square.....	1, 446. 94
Caddo, 0.8 mi. E., thence 3.3 mi. SE. from, on E. side of rd. at right-angle turn to S., 120 ft. S. and 120 ft. E. from residence of T. J. Leadbetter, 75 ft. W. of NW. corner of earth tank, 15 ft. S. and 5 ft. E. from fence corner, in root 6 in. underground on S. side of 12-in. hackberry tree; copper nail and washer.....	1, 460. 72
Caddo, 0.8 mi. E., thence 3.8 mi. SE. from, at Texas & Pacific Coal & Oil Co. camp on Beriney lease, on N. side of rd., at residence of superintendent; 25 ft. N. of SW. corner of yard, 70 ft. S. of gate, 4 ft. W. of fence, in root on N. side of forked mesquite tree; copper nail and washer.....	1, 487. 97
Caddo, 0.8 mi. E., thence 4.4 mi. SE. from, on W. side of rd., 120 ft. E. of ranch house of Mrs. Nanny Walker, in root on E. side of 15-in. oak tree; copper nail and washer.....	1, 462. 90
Caddo, 0.8 mi. E., thence 4.9 mi. SE. from, 0.7 mi. NE. of ranch house of J. R. Jackson, 70 ft. S. and 50 ft. W. from gate in E.-W. fence, 70 ft. S. and 45 ft. E. from corner of three fences, 15 ft. E. of fence line S., in root on S. side of 10-in. tree, largest in small thicket of live-oak trees; copper nail and washer.....	1, 406. 98
Caddo, 0.8 mi. E., thence 5.6 mi. SE. from, 15 ft. S. and 25 ft. W. from SW. corner of ranch house of J. R. Jackson, in SW. corner of yard, in concrete post; standard tablet stamped "A 21 1924".....	1, 415. 074

310 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Reference mark, 60 ft. S. and 70 ft. E. from tablet, 80 ft. S. of ranch house, 60 ft. S. of gate in fence on S. side of yard, in crotch of forked mesquite tree; copper nail and washer.....	1, 411. 45
Caddo, 0.8 mi. E., thence 6.5 mi. SE. from, 500 ft. N.10°E. of wagon ford on fork of Ioni Creek, 250 ft. S.10°E. of SE. corner of cultivated field, 100 ft. E. of rd., in root on E. side of 30-in. pecan tree; copper nail and washer.....	1, 376. 49
Caddo, 0.8 mi. E., thence 6.8 mi. SE. from, 275 ft. N.35°E. from ranch house 300 ft. W. of rd. and owned by T. F. Litton, on W. side of rd., in root on S. side of 12-in. oak tree; copper nail and washer.....	1, 411. 97
Caddo, 0.8 mi. E., thence 7.8 mi. SE. from, 18 ft. N. and 35 ft. E. from NE. corner of ranch house of J. W. Smith, in NE. corner of yard fence; iron post stamped "A 22 1924".....	1, 474. 890
Reference mark, 500 ft. E. of iron post, 150 ft. N. of E.-W. lane, on E. side of earth tank about 100 ft. SW. of gate to barn lot, in crotch of triple-forked mesquite tree; copper nail and washer.....	1, 463. 66
Caddo, 0.8 mi. E., thence 8.7 mi. S. from, on W. side of rd., 35 ft. S. and 50 ft. E. from SE. corner of ranch house of F. P. Simmons, 25 ft. S. and 15 ft. E. from SE. corner of yard, 55 ft. S. of front gate, inside garden fence, in crotch of triple-forked mesquite tree; copper nail and washer.....	1, 470. 98
Caddo, 0.8 mi. E., thence 9.0 mi. S. from, 0.7 mi. N. of ranch house of R. L. Glascock, on W. side of rd. at right-angle turn to S., 375 ft. E. of ranch house of A. Simmons, at NE. corner of cultivated field, at fence corner, in root on N. side of triple-forked live-oak tree used as corner fence post; copper nail and washer.....	1, 483. 75
Caddo, 0.8 mi. E., thence 9.7 mi. S. from, 9.2 mi. NW. of Strawn, at summit of grade at head of Bills Creek, 0.2 mi. NW. of main E.-W. rd., 15 ft. S. and 5 ft. W. from SW. corner of ranch house of R. L. Glascock, 8 ft. S. and 7 ft. W. from SW. corner of porch, in center of triangle between three small live-oak trees, in concrete post; standard tablet stamped "A 23 1924".....	1, 512. 407
Reference mark, 8 ft. S. and 10 ft. E. from SE. corner of ranch house, in root on E. side of 12-in. oak tree; copper nail and washer.....	1, 511. 85
Strawn, 9.0 mi. NW. of, 0.2 mi. SE. of Glascock ranch house, at summit of grade at head of Bills Creek, 70 ft. N. and 60 ft. E. from junction of ranch rd. N., 10 ft. N. of 8-in. and 12-in. oak trees standing together, in root on NE. side of 14-in. oak tree used as fence corner; copper nail and washer.....	1, 496. 00
Strawn, 8.6 mi. NW. of, 55 ft. S. and 20 ft. E. from center of junction of private rd. SW. to Graham and Williams ranches, 20 ft. S. of fence line along S. side of main rd., in root 4 in. underground on NE. side of 4-in. mesquite tree; copper nail and washer.....	1, 438. 76
Strawn, 8.6 mi. NW., thence 0.8 mi. SW. from, 4.2 mi. NE. of Wiles, on N. side of rd. to Williams ranch, 0.9 mi. NE. of Williams ranch house, 0.4 mi. SW. of Graham ranch house, 450 ft. SW. of N. corner of cultivated field, 75 ft. N. of field fence, at S. side of earth tank, in root on W. side of forked mesquite tree; copper nail and washer.....	1, 412. 34
Wiles, 3.5 mi. NE. of, near head of Slate (Flat) Rock Creek, 24 ft. S. of SE. corner of Williams ranch house, at SE. corner of yard, in fence corner, in concrete post; standard tablet stamped "A 24 1924".....	1, 401. 7 7

Reference mark, about 650 ft. E. of ranch house, 60 ft. S. of ranch rd. E., on E. side of old rd. SW., 20 ft. S. of forked 12-in. oak tree, in root on E. side of middle tree of group of three oak trees; copper nail and washer	Feet 1, 380. 70
Wiles, 2.5 mi. NE. of, 0.9 mi. SW. of Williams ranch house, 0.2 mi. NE. of rd. crossing S. line of ranch, 0.4 mi. NE. of rd. fork, on right fork of Slate Rock Creek, on SE. side of rd. at rd. crossing drain from E., between branches of drain, on N. bank of S. drain, in root on SW. side of small forked cedar tree, only cedar between branches of drain; copper nail and washer	1, 285. 76
Wiles, 2.3 mi. N. of, near Slate Rock Creek, on old rd. to Williams ranch, 600 ft. NE. of rd. fork, at S. line of ranch, on E. side of rd., 45 ft. S. of gate in E.-W. fence line, in root on SW. side of southernmost of two double elm trees 5 ft. apart; copper nail and washer	1, 266. 20
Wiles, 1.6 mi. N. of, on N. bank of Slate Rock Creek, at ford of creek and hollow to E., on E. side of rd., in root on NW. side of 12-in. tree, southeasternmost of group of four oak trees with roots grown together; copper nail and washer	1, 220. 46
Wiles, 0.9 mi. N. of, at SE. corner of clearing, about 600 ft. S. and 800 ft. E. from foot of ridge between Slate Rock and Cottonwood Creeks, 45 ft. W. of bank of Slate Rock Creek, 50 ft. E. of rd., in root on W. side of 12-in. pecan tree; copper nail and washer	1, 185. 13
Wiles, about 450 ft. NW. of sta., at S. end of concrete dam on Palo Pinto Creek, on top of NW. corner of upper step; chiseled square	1, 157. 21
Wiles, 125 ft. N. and 145 ft. W. from sta., 15 ft. S. and 8 ft. W. from SW. corner of residence of sta. agent, inside yard fence; iron post stamped "A 25 1924"	1, 158. 593
Reference mark, 8 ft. S. and 7 ft. E. from iron post, 10 ft. S. of yard fence, in root on S. side of 5-in. oak tree; copper nail and washer	1, 158. 30
U. S. C. & G. S. copper bolt designated "S 11"	1, 130. 368

BROWNWOOD NO. 2 QUADRANGLE

[Latitude 31°45'-32°00'; longitude 98°45'-99°00']

BROWN AND COMANCHE COUNTIES

East along Byrds-May road to Blake-May road, thence northwest to point 4.2 miles southeast of Blake (by G. F. Williams in 1924)

[A jog from Grosvenor quadrangle]

May, 5.6 mi. W. of, 5.5 mi. SE. of Blake, 0.3 mi. N. of intersection of Blake-May rd. and Byrds-May rd., near stone house owned by Dr. J. F. McGee, on prominent hill, 30 ft. W. of rd., 1.5 ft. outside fence line, in prominent sandstone outcrop; standard tablet stamped "Prim Trav Sta No 44 T 1923 Texas W 9"	1, 545. 633
Reference mark, 1,480 ft. SE. of tablet, in NW. corner of intersection of Blake-May rd., at mail boxes, in root on E. side of 18-in. oak tree; copper nail and washer	1, 494. 38
Blake, 4.5 mi. SE. of, 80 ft. NW. of point where rd. turns NW., 20 ft. inside fence line, on limestone rock flush with ground; chiseled bench	1, 584. 87

312 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From Grosvenor quadrangle at point 8.4 miles southeast of Byrds along road southeast and south into Zephyr quadrangle at point near north limits of Brownwood (by G. F. Williams in 1924)

Byrds, 9.4 mi. SE. of, 7.8 mi. N. of post office at Brownwood, on E. side of rd., 50 ft. N. of private rd. E., in bend of rd., 1 ft. E. of pipe line, inside fence line, in root on W. side of 2-in. oak tree; copper nail and washer.....	Feet 1, 378. 55
Brownwood, 6.7 mi. N. of, 0.6 mi. N. of Five Mile Branch, on W. side of rd., 15 ft. inside fence line, in root on N. side of mesquite tree; copper nail and washer.....	1, 361. 22
Brownwood, 6.0 mi. along Bell Plaine rd. N. of, 451 ft. S. of small steel bridge over Five Mile Branch, 64 ft. W. of center line of rd., 28 ft. W. of fence line, in sandstone outcrop; standard tablet stamped "Prim Trav Sta No 49 T 1923 Texas W 13".....	1, 359. 791
Reference mark, on E. end of S. concrete abutment of bridge; chiseled bench.....	1, 357. 70
Brownwood, 4.8 mi. N. of, at concrete bridge over Four Mile Branch, on SW. end of concrete floor; chiseled bench.....	1, 353. 10
Brownwood, 3.4 mi. N. of, 30 ft. W. of center line of Bell Plaine rd., 125 ft. S. of small drain across rd., 3 ft. inside fence line, about 6 ft. W. of oil pipe line, in sandstone outcrop, flush with ground; standard tablet stamped "Prim Trav Sta No 50 T Texas 1923 W 14".....	1, 358. 844
Reference mark, 1,370 ft. N. of tablet, 50 ft. N. of gate to lane on W. side of rd., on E. side of rd., at fence line, between two prongs of mesquite tree; copper nail and washer.....	1, 357. 20

BUCKHOLTS QUADRANGLE

[Latitude 30°45'-31°00'; longitude 97°00'-97°15']

BELL, FALLS, AND MILAM COUNTIES

From point 4.3 miles southwest of Cameron northwest along roads up Little River into Taylor No. 2 quadrangle (by E. L. McNair in 1909)

Cameron, 4.8 mi. SW. of, at intersection of fences between two timbered pastures and two open cultivated fields, in root of tree at fence line; copper nail.....	325. 42
Cameron, 5.4 mi. SW. of, between timbered pasture and large open cultivated field, 8 ft. N. of wire fence, in root of elm tree; copper nail.....	322. 51
Cameron, 6.0 mi. SW. of, on Tompkins convict farm, at end of long strip of timber, about 0.8 mi. E. of convict quarters, 3 ft. W. of wire fence between pasture and open field, large cleared field to W. and S.; iron post stamped "Prim Trav Sta No 13 Texas 1909 328".....	327. 591
Tompkins convict farm, about 1,000 ft. SW. of convict quarters, 75 ft. S. of wire fence, in large open cultivated field, in root of large lone oak tree; copper nail.....	329. 22
Tompkins convict farm, 0.4 mi. W. of quarters, in watercourse in small pasture, about 300 ft. W. of house on hill, 20 ft. W. of wire fence, in root of ash tree; copper nail.....	324. 16
Tompkins convict farm, 1.1 mi. W. of, at fence line between two large cleared cultivated fields, in root of small elm tree; copper nail.....	333. 19

	<i>Feet</i>
Tompkins convict farm, 1.8 mi. W. of, on W. side of Cameron-Thorn- dale rd., 85 ft. N. of small wooden bridge, beside wire fence, 80 ft. N. of lone double elm tree on E. side of rd.; iron post stamped "Prim Trav Sta No 14 1909 336"-----	335. 093
Tompkins convict farm, 2.0 mi. W. of, in open cultivated field, about 800 ft. W. of public rd., about 500 ft. N. of timbered land, in root of lone double elm tree; copper nail-----	337. 18
Tompkins convict farm, 2.5 mi. W. of, on E. side of private field rd., in open cultivated field, in root of large lone forked elm tree; copper nail-----	337. 59
Tompkins convict farm, 3.1 mi. W. of, in timbered pasture, 30 ft. S. of wire fence separating pasture from open field, 125 ft. E. of Negro house, in root of hackberry tree; copper nail-----	352. 56
Tompkins convict farm, 3.9 mi. W. of, on slope of rising ground, about halfway to summit, at E. fence line of narrow timbered pasture about 50 ft. wide, open fields to E. and W.; about 0.25 mi. N. of river bottom, about 45 ft. above bottom lands; iron post stamped "Prim Trav Sta No 15 Texas 1909 383"-----	382. 853
Tompkins convict farm, 4.5 mi. W. of, in mesquite pasture, on S. side of cattle lane, 10 ft. from wire fence, in root of small oak tree; copper nail-----	398. 20
Tompkins convict farm, 5.0 mi. NW. of, on elevated piece of ground in timbered pasture, in root of large oak tree; copper nail-----	393. 36
Tompkins convict farm, 5.6 mi. NW. of, between two open fields, on sloping hillside, about 70 ft. from large spreading live-oak tree, in root of elm tree; copper nail-----	373. 70
Tompkins convict farm, 5.9 mi. NW. of, in timbered pasture, just E. of 20-ft. rise, in root of oak tree; copper nail-----	351. 18
Tompkins convict farm, 6.9 mi. NW. of, 400 ft. N. of Haw Creek, 600 ft. NW. of river, at fence line between pasture and open cultivated fields, 80 ft. S. of junction of fence lines, 10 ft. S. of large blazed hackberry tree; iron post-stamped "Prim Trav Sta No 16 Texas 1909 350"-----	349. 280
Haw Creek, 0.5 mi. NW. of, about 0.3 mi. E. of Cameron-Rockdale public rd., in open cultivated field, 5 ft. S. of private field rd., in root of large lone elm tree; copper nail-----	348. 98
Haw Creek, 0.8 mi. NW. of, on W. side of Cameron-Rockdale public rd., about 0.5 to 0.8 mi. from Little River, at fence line, in root of large lone pecan tree; copper nail-----	354. 79
Haw Creek, 1.3 mi. NW. of, about 0.2 mi. W. of Cameron-Rockdale public rd., in large timbered pasture, 25 ft. S. of dry slough, 10 ft. W. of wire fence, in root of large elm tree; copper nail-----	354. 24
Haw Creek, 1.8 mi. NW. of, between Cameron-Rockdale and Cum- mings Bridge rds., in timbered pasture, about 100 ft. S. of dry water- course, in root of large oak tree; copper nail-----	361. 66
Haw Creek, 2.4 mi. NW. of, between Cameron-Rockdale and Cum- mings Bridge public rds., on N. bank of watercourse, 8 ft. S. of wire fence, in root of elm tree; copper nail-----	361. 71
Haw Creek, 2.8 mi. NW. of, about 0.4 mi. E. of Cummings Bridge rd., 200 ft. S. of series of low hills, on E. bank of slough, in open cultiva- ted field, 8 ft. E. of wire fence; iron post stamped "Prim Trav Sta No 17 Texas 1909 362"-----	361. 177

Haw Creek, 3.3 mi. NW. of, about 800 ft. N. of Cummings Bridge rd., in center of large open cultivated field, in root of lone elm tree; copper nail.....	Feet 364. 35
Haw Creek, 3.7 mi. NW. of, about 3,000 ft. NW. of Cummings Bridge rd., in timbered pasture, on W. bank of slough, 75 ft. E. of wire fence and open cultivated field, in root of leaning elm tree; copper nail....	359. 71
Haw Creek, 4.1 mi. NW. of, at fence line between pasture and open field, in root of hackberry tree; copper nail.....	365. 98
Haw Creek, 4.8 mi. NW. of, in narrow neck of woods extending out into open cultivated field, in root of elm tree; copper nail.....	368. 71
Haw Creek, 5.2 mi. NW. of, 2.0 mi. SE. of Bryant Station Bridge, on land of J. M. Coreley, about 0.5 mi. NW. of Coreley house, at end of narrow neck of woods, S. of large cultivated field, 250 ft. E. of slough; iron post stamped "Prim Trav Sta No 18 Texas 1909 372".....	372. 088
Bryant Station Bridge, 0.9 mi. SE. of, in timbered pasture, about 500 ft. S. of low fringe of hills, on N. bank of slough, 10 ft. S. of wire fence, in root of willow tree; copper nail.....	378. 31
Bryant Station Bridge, about 600 ft. N. of, on E. side of rd. to bridge, at E. fence line, at edge of wooded land; iron post stamped "Prim Trav Sta No 19 Texas 1909 431" ⁴⁹	430. 711
Bryant Station Bridge, about 0.5 mi. W. of cross rd. to, on Gersch-back property, about 300 ft. E. of house, in timbered pasture, 15 ft. E. of wire fence between pastures, in root of elm tree; copper nail....	424. 85
Bryant Station Bridge, 1.2 mi. NW. of, at fence line between pasture and open cultivated field, about 50 ft. E. of junction of pasture and another field, in root of large elm tree; copper nail.....	388. 20
Bryant Station Bridge, 1.8 mi. NW. of, in open cultivated field, in cluster of four large oak trees, in root of large leaning oak tree; copper nail.....	389. 37
Bryant Station Bridge, 2.6 mi. NW. of, at fence line between two timbered pastures, 20 ft. N. of private pasture rd., 25 ft. E. of cleared fields of Frank A. Cox, near blazed tree; iron post stamped "Prim Trav Sta No 20 Texas 1909 392".....	391. 927
Bryant Station Bridge, 3.2 mi. NW. of, on Clarey property, next to land of Mrs. Nichols, 90 ft. SE. of well, 500 ft. E. of house on hill, 12 ft. S. of narrow lane between open cultivated field and pasture, used mostly as cattle lane to river, in root of large elm tree; copper nail....	396. 21
Bryant Station Bridge, 3.9 mi. NW. of, about 5.5 mi. SW. of Rogers, about 600 ft. N. of Wire Bridge, on left bank of Little River, on W. side of Rogers-Davala public rd., about 200 ft. S. of very deep, dry watercourse, E. of woods, W. of open field, in root of leaning ash tree; copper nail.....	401. 25
<p>From point 1.3 miles west of Tompkins convict farm along roads southeast, southwest, north west and north 18.7 miles to point 0.8 mile northwest of Haw Creek (by A. P. Meade in 1910)⁵⁰</p>	
Tompkins convict farm, 1.8 mi. W., thence 2.6 mi. SE. from, 0.5 mi. from mouth of San Gabriel River, 0.2 mi. W. of Little River, on land owned by A. L. Lensing, about 1.5 mi. E. of Lensing house, on E. side of N.-S. rd.; iron post stamped "Prim Trav Sta No 60 Texas 1910".....	336. 382

⁴⁹ In 1910 this bench mark was moved 85.5 feet S.82°10'W. from this position and reset 0.163 foot lower than its original elevation. The figures given represent the new elevation.

⁵⁰ The figures of elevation shown here are unadjusted because of the excessive closure error of this line.

[Line jogs into Taylor No. 4 quadrangle]

Haw Creek, 0.8 mi. NW., thence 1.4 mi. S. from, about 4 mi. NW. of Tracy, on E. side of rd., 250 ft. NE. of house, opposite private gate, in elm tree; copper nail-----
Feet
361. 832

BURNET NO. 1 QUADRANGLE

[Latitude 30°45'-31°00'; longitude 98°00'-98°15']

BURNET COUNTY

From Bertram quadrangle west along Austin & Northwestern Railroad ⁴¹ to Burnet (by Thomas Winsor in 1898)

Burnet, 3.6 mi. E. of Burnet County courthouse at, 500 ft. W. of head block of switch at summit, 57 ft. SW. of milepost 57, 19 ft. S. of main track, in limestone outcrop; iron post stamped "1494 SA" (recovered by U. S. C. & G. S. in 1933)-----
1, 487. 576

Burnet, 2.1 mi. E. of, 47 ft. W. of track, 17 ft. S. of gate at private rd. crossing; iron post stamped "1387 SA" (recovered by U. S. C. & G. S. in 1933)-----
1, 380. 191

Burnet, 0.2 mi. S. of sta., on SE. side of Pecan Street, 30 ft. SW. of track; iron post stamped "1282 SA"-----
1, 275. 431

Burnet, at E. front of Burnet County courthouse, in N. end of first window sill S. of entrance; standard tablet stamped "1300 SA" ⁵² (recovered by U. S. C. & G. S. in 1933)-----
1, 292. 960

From Burnet along road north and northwest into Tow quadrangle at point 5.4 miles southeast of Naruna (by Thomas Winsor in 1899)

Burnet, at schoolhouse, at SW. entrance, on NW. end of blue limestone doorsill; chiseled square (recovered by U. S. C. & G. S. in 1933)-----
1, 312. 045

Burnet, 3.0 mi. N. of Burnet County courthouse at, 300 ft. N. of junction of Burnet-Lampasas and Burnet-Brooks Mill-Lampasas rds., on NE. side of rd., near wire fence; iron post stamped "1449 SA"-----
1, 442. 144

Burnet, 6.4 mi. N. of, on W. side of rd., 9 ft. S. of gate at Boyd ranch; iron post stamped "1480 SA"-----
1, 473. 488

Burnet, 9.0 mi. N. of, 9.8 mi. SE. of Naruna, about 1.6 mi. NE. of Peeble Mound School, at intersection of NW.-SE. settlement rd., on SE. side of rd.; iron post stamped "1510 SA" and "Prim Trav Sta No 39 K Texas 1924" (recovered in 1924)⁵³-----
1, 505. 341

Naruna, 6.5 mi. SE. of, on summit of hill at junction of Burnet-Lampasas and Austin-San Saba rds., 700 ft. NE. of Pomona post office, on W. side of rd.; iron post stamped "1466 SA" (recovered in 1925)-----
1, 459. 097

From point 3 miles north of Burnet along roads northeast by way of Sage and Sunnyslane to point on Georgetown-Lampasas road 0.5 mile southeast of Bachelor Peak, thence southeast and south to Joppa, thence southwest to Burnet (by Thomas Winsor in 1899)

Burnet, 5.8 mi. NE. of, 5.0 mi. SW. of Sage, at junction of settlement rd. NW., on W. side of rd., 200 ft. S. of summit of hill; iron post stamped "1454 SA"-----
1, 447. 299

⁴¹ Now part of the Texas & New Orleans Division of the Southern Pacific Co.

⁵² In 1936 this bench mark was reported destroyed. In 1937 it was replaced by a standard tablet set in a concrete step, 6 inches south of north light post column, at an elevation of 1,291.394 feet.

⁵³ In 1924 this bench mark was moved 127.3 feet north of this position and reset 2.495 feet higher than its original elevation. The figures given represent the new elevation. At that time it was reported that the northwest-southeast road had been discontinued and had been replaced by a second-class east-west road.

316 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Sage, 1.7 mi. SW. of, 250 ft. E. of Bethel School, ⁶⁴ at right-angle bend in rd., 7 ft. S. of fence corner; iron post stamped "1346 SA"-----	Feet 1, 339. 237
Sage, 250 ft. S. of post office, opposite Murphy & Jenkins gin, 4.2 mi. S. of Sunnyslane, 75 ft. S. of North Fork of San Gabriel River, in limestone boulder; aluminum tablet stamped "1261 SA"-----	1, 253. 714
Sunnyslane, at junction of Burnet-Brooks Mill-Lampasas and Austin-Lampasas rds., 250 ft. SW. of post office, 150 ft. NE. of Methodist Church, on N. side of rd., near corner of wire fence, in embedded limestone boulder; aluminum tablet stamped "1168 SA"-----	1, 161. 601
Sunnyslane, 2.5 mi. N. of, at junction of settlement rd. NE. to Bachelor Peak, on W. side of rd., on S. side of gate; iron post stamped "1335 SA" (recovered in 1925)-----	1, 328. 072
Sunnyslane, 2.5 mi. N., thence 3.8 mi. NE. from, 0.5 mi. SE. of Bachelor Peak, on SW. side of Georgetown-Lampasas rd., 200 ft. SE. of junction of settlement rd. SW. to Eldredge & Fields ranch, near fence line, in limestone rock; aluminum tablet stamped "1260 SA"-----	1, 252. 968
Bachelor Peak, 3.4 mi. SE. of, 220 ft. NW. of bridge over small drain, on NE. side of rd., near stone wall, in limestone boulder; aluminum tablet stamped "1125 SA"-----	1, 118. 227
Bachelor Peak, 6.1 mi. SE. of, 9.3 mi. N. of Joppa, 0.5 mi. SW. of North Rocky Creek, at junction of settlement rd. SW., on W. side of rd., 6 ft. N. of gate, in embedded limestone rock; aluminum tablet stamped "1018 SA"-----	1, 010. 604
Joppa, 6.8 mi. N. of, 1.5 mi. NE. of Neely ranch, on NE. side of rd., on SE. bank of South Rocky Creek, in top of limestone ledge; aluminum tablet stamped "972 SA"-----	964. 934
Joppa, 3.1 mi. N. of, about 2 mi. SW. of Neely ranch, at junction of settlement rd. S. to Joppa, 10 ft. E. of gate, in embedded limestone rock; aluminum tablet stamped "1251 SA"-----	1, 244. 281
Joppa, 110 ft. NE. of school, at junction of Burnet-Florence rd., in limestone rock; aluminum tablet stamped "1106 SA"-----	1, 099. 459
Joppa, 2.6 mi. SW. of, at junction with Burnet-Belton rd., on NW. side of rd., near wire fence; iron post stamped "1230 SA"-----	1, 222. 972
Joppa, 5.6 mi. SW. of, 8.1 mi. NW. of Burnet, on N. side of rd., at summit of hill, opposite rail fence dividing two cultivated fields; iron post stamped "1299 SA"-----	1, 292. 099
Burnet, 4.9 mi. NE. of, on N. side of rd., on SW. bank of Russell Fork of San Gabriel River, 4 ft. W. of 12-in. elm tree used as corner fence post; iron post stamped "1273 SA"-----	1, 265. 965
Burnet, 2.5 mi. NE. of, on SE. side of rd., 300 ft. NW. of farmhouse, at fence corner; iron post stamped "1442 SA"-----	1, 434. 911

From point 2.3 miles west of Burnet generally north along roads near west border of quadrangle to point 9 miles north of Burnet⁶⁵ (by E. E. Harris in 1924)

Burnet, 2.0 mi. W., thence 0.8 mi. N. from, 0.8 mi. N. of ranch house of Jake Clements, 140 ft. N. of plank gate in fence line crossing rd., on E. side of rd., in root on S. side of 6-in. mesquite tree; copper nail and washer-----	1, 432. 10
Clements ranch house, 1.8 mi. N. of, in NE. corner of rd. junction, just W. of site of old Hamilton Valley School, in root on W. side of 30-in. live-oak tree; copper nail and washer-----	1, 363. 88

⁶⁴ Shown as San Gabriel School on 1909 map.

⁶⁵ This line also appears in Tow quadrangle, into which it jogs.

	<i>Feet</i>
Clements ranch house, 3.0 mi. N. of, in SW. corner of junction of Burnet-San Saba rd. and Morgan Creek rd., in right angle in fence line, 4 ft. from each fence; iron post stamped "Prim Trav Sta No 37 K 1924 Texas H 157"-----	1, 416. 729
Clements ranch house, 4.6 mi. N. of, on E. side of Burnet-San Saba rd., 80 ft. S. of junction of dim rd. W. through plank gate to Glimps ranch, on top of sandstone ledge; chiseled square-----	1, 545. 31
Clements ranch house, 5.2 mi. N. of, on E. edge of angle in Burnet-San Saba rd., 450 ft. N. of rd. junction, in fence line, in root on W. side of 6-in. cedar tree; copper nail and washer-----	1, 535. 86
Clements ranch house, 6.4 mi. N. of, on E. side of sharp turn in Burnet-San Saba rd., 30 ft. N. of junction of rd. S. through gate, 2 ft. E. of fence line; iron post stamped "Prim Trav Sta No 38 K 1924 Texas H 158"-----	1, 480. 360
Clements ranch house, 7.5 mi. N. of, on W. side of Burnet-San Saba rd., about 0.8 mi. S. of Peeble Mound School, 80 ft. S. of junction of rd. NE. through gate, in fence line, in root on E. side of 8-in. cedar tree; copper nail and washer-----	1, 396. 71
Peeble Mound School, about 0.5 mi. NE. of, 9.0 mi. N., thence 1.1 mi. W. from Burnet, in NW. corner of junction of rd. W., 250 ft. N. of house, in root on S. side of 12-in. mesquite tree; copper nail and washer-----	1, 426. 73
From point 2.5 miles north of Sunnyslane northwest along road 3.2 miles into Lampasas No. 4 quadrangle (by R. G. Clinite in 1925)	
Sunnyslane, 4.5 mi. NW. of, on W. side of Austin rd., on N. side of Mesquite Creek, 100 ft. W. of crossing, in root of 18-in. post-oak tree; copper nail-----	1, 106. 77
From Lampasas No. 4 quadrangle along Houston & Texas Central Railroad ⁶⁶ south to point 0.6 mile south of Tumlinson, thence along roads southwest to point 6.5 miles southeast of Naruna (by R. G. Clinite in 1925)	
Tumlinson, 3.0 mi. N. of, on E. side of track, at tile culvert 18-A, in center of E. edge of stone coping; chiseled circle-----	1, 208. 89
Tumlinson, 2.4 mi. N. of, on E. side of track, 6 ft. E. of fence, 30 ft. N. of gate, in line with E.-W. fence line on opposite side of track, in uncultivated pasture land; iron post stamped "C 20 1925"-----	1, 237. 957
Tumlinson, 1.9 mi. N. of, on E. side of track, opposite milepost 17, at E. side of hand-car turn-out, on large stone; chiseled circle-----	1, 215. 72
Tumlinson, 0.9 mi. N. of, on E. side of track, 100 ft. NE. of milepost 16, at tile culvert 16-A, near center of top of stone coping; chiseled circle (recovered by U. S. C. & G. S. in 1933)-----	1, 211. 740
Tumlinson, at sta. sign; top of E. rail-----	1, 259. 4
Tumlinson, 770 ft. S. of, on E. side of track, opposite milepost 15, at stone culvert 14-D, on top of coping; chiseled circle (recovered by U. S. C. & G. S. in 1933)-----	1, 254. 184
Tumlinson, 0.6 mi. S. of, 110 ft. W. of track, 450 ft. NW. of N. end of bridge over South Mesquite Creek, 350 ft. W. of house, 50 ft. NW. of offset in right-of-way fence; iron post stamped "C 19 1925" (recovered by U. S. C. & G. S. in 1933)-----	1, 259. 213
Reference mark, 450 ft. SE. of iron post, at NW. corner of bridge; bolt head-----	1, 264. 76

⁶⁶ Now part of the Texas & New Orleans Division of the Southern Pacific Co.

318 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Tumlinson, 1.9 mi. SW. of, 150 ft. N. of ravine, on W. side of rd., 65 ft. SW. of gate at corner of field, in root of 11-in. mesquite tree; copper nail.....	Feet 1, 317. 34
Tumlinson, 2.7 mi. SW. of, 6.5 mi. SE., thence 1.2 mi. NE. from Naruna, in E. angle of rd. junction, in root of 10-in. elm tree; copper nail.....	1, 348. 30

CHINA CREEK QUADRANGLE 57

[Latitude 34°00'-34°15'; longitude 98°45'-99°00']

WICHITA AND WILBARGER COUNTIES

From Grandfield quadrangle at point 3.2 miles west of Clara along roads alternately west and south to Sunshine School, thence alternately east and south and back into Grandfield quadrangle at point 0.6 mile north and 1 mile west from Lost Creek School (by D. H. Watson in 1915)

Clara, 3.3 mi. W. of, on S. side of rd., 6 ft. E. of telephone pole, in fence line; iron post stamped "1099".....	1, 099. 360
Clara, 4.0 mi. W. of, 2.0 mi. N. and 2.0 mi. E. from Sunshine School, at W. end of steel bridge over Tenth Cavalry Creek, on N. side of bridge; top of W. anchor bolt.....	1, 065. 09
Sunshine triangulation sta., about 12 mi. SW. of Burkburnett, about 8 mi. NE. of Electra, just N. of Burkburnett-Electra rd., on prominent hill, at SE. corner of yard of Sunshine School, 18 ft. N. and 21 ft. E. from corner of schoolhouse; iron post stamped "1208".....	1, 207. 963
Sunshine School, 0.5 mi. S. and 0.5 mi. E. from, 400 yd. W. of white house on top of hill, 40 ft. SE. of rd., at turn, 2 ft. NE. of SW. fence corner; top of 3-in. iron pipe filled with concrete.....	1, 157. 22
Sunshine School, 1.6 mi. S. and 1.9 mi. E. from, 0.6 mi. N. and 2.0 mi. W. from Lost Creek (Prairie Cottage) School, 12 ft. NE. of end of small culvert, at junction of E.-W. rd., 5 ft. NW. of NE. corner fence post; iron post stamped "1078".....	1, 078. 597

From point 0.5 mile south and 0.5 mile east from Sunshine School along roads north 0.2 mile, thence alternately west and south to Electra, thence north 6.1 miles, thence alternately east and south to crossroads 2 miles north and 0.6 mile east from Sunshine School (by D. H. Watson in 1915)

Sunshine School, 0.2 mi. S. and 3.5 mi. W. from, 4.7 mi. by rd. NE. of Electra, 0.3 mi. E. of jog in rd. S., on S. side of rd., 360 ft. SE. of oil derrick, 30 ft. W. of telephone pole, 1 ft. N. of fence line; iron post stamped "1165".....	1, 164. 789
Lone Oil Derrick triangulation sta., outside E. limits of Electra; standard tablet stamped "1221".....	1, 220. 689
Electra, at city water tank, in N. concrete pier; standard tablet stamped "1222".....	1, 221. 756
Electra, 3.1 mi. N. of, on W. side of rd., at junction of T-rd. E., 2 ft. E. of fence line; iron post stamped "1154".....	1, 153. 977
Electra, 6.1 mi. N. of, 0.1 mi. E., thence 0.6 mi. N. from Mount Carmel Church, at crossroads, 10 ft. S. of SE. corner fence post; iron post stamped "1120" (recovered in 1916).....	1, 119. 378
Electra, 6.1 mi. N., thence 1.0 mi. E. from, 1.0 mi. N., thence 1.0 mi. W. from Enterprise School, at E. end of bridge over China Creek, 300 ft. E. of junction of T-rd. S., 250 ft. W. of junction of T-rd. N., in side of large cottonwood tree; rail spike.....	1, 086. 19
Enterprise School, 300 ft. SE. of, at crossroads, on E. side of rd., 20 ft. N. of NE. corner fence post; iron post stamped "1136".....	1, 136. 068

57 The area north of the Red River lies in Oklahoma.

Enterprise School, 3.0 mi. E. of, 1.6 mi. SW. of Barwise School, at junction of N.-S. rd., 20 ft. W. of SW. corner fence post; iron post stamped "1088"-----	Feet 1, 087. 647
From Electra southeast along Fort Worth & Denver City Railway into Mankins quadrangle (by C. R. Fisher in 1915)	
Electra, 3.1 mi. SE. of, at rd. crossing, 15 ft. W. of rd., 2 ft. N. of N. right-of-way fence; iron post stamped "1112" ⁶⁸ (recovered by U. S. C. & G. S. in 1933 and stamped "L 114")-----	1, 111. 717
From Electra northwest along Fort Worth & Denver City Railway 4.7 miles, thence south across country into Mankins quadrangle at point 4.3 miles southwest of Electra (by R. R. Monbeck in 1916)	
Electra, 1.2 mi. NW. of, 850 ft. NW. of rd. crossing at Producers Oil Co. shops, on R. R. culvert 141-50, on top of N. end of E. abutment; chiseled square-----	1, 193. 67
Electra, 2.9 mi. NW. of, 120 ft. S. of rd., 15 ft. N. of track, in top of NE. corner of concrete culvert; standard tablet stamped "1203" (recovered in 1925; recovered also by U. S. C. & G. S. in 1933 and stamped "H 114")-----	1, 203. 262
Electra, 4.7 mi. NW., thence 2.0 mi. S. from, 350 ft. W. of dam and small reservoir, on top of ridge, 50 ft. N. of rd., 1 ft. N. of fence; iron post stamped "1214"-----	1, 213. 630
From point on Fort Worth & Denver City Railway 4.7 miles northwest of Electra along roads alternately northwest and northeast to point near Adams Creek, thence east to crossroads 6.1 miles north of Electra (by R. R. Monbeck in 1916)	
Electra, 4.3 mi. along R. R., thence 1.0 mi. along rd. NW. from, 250 ft. N. of bridge over China Creek, 20 ft. W. of rd., 1 ft. E. of fence line; iron post stamped "1186"-----	1, 187. 096
Electra, 6.1 mi. N., thence 3.8 mi. W. from, 6 ft. W. of rd., at N. end of lane, 6 ft. NE. of corner fence post; iron post stamped "1168"-----	1, 168. 228
From point 2.9 miles northwest of Electra northwest along Fort Worth & Denver City Railway into Davidson quadrangle (by C. E. Reick in 1925)	
Electra, 3.8 mi. NW. of, at trestle, on NW. corner of concrete abutment; chiseled square-----	1, 194. 08

CLEBURNE NO. 2 QUADRANGLE

[Latitude 32°15'-32°30'; longitude 97°15'-97°30']

JOHNSON COUNTY

From Blum quadrangle at point 0.8 mile southwest and 3.7 miles northwest from Plain View School along roads northwest about 1 mile, thence southwest into Morgan quadrangle (by W. A. Shumate in 1923)

Plain View School, 0.8 mi. SW., thence 4.0 mi. NW. from, on W. side of rd., just S. of iron culvert, on solid stone retaining wall; chiseled square-----	842. 04
Plain View School, 0.8 mi. SW., thence 4.6 mi. NW. from, 6.3 mi. NE. of Frecland and Brazos Valley School, on N. side of rd., on concrete culvert; chiseled square-----	864. 30
Frecland and Brazos Valley School, 5.8 mi. NE. of, in SE. angle of bend SE. in rd., 2 ft. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 6 F 1923 S 18"-----	834. 012
Reference mark, 60 ft. W. of tablet, in root on E. side of 8-in. mesquite tree; copper nail and washer-----	831. 30

⁶⁸ This post was reported inclined at an angle of 45°; the figures given represent the high point of the rim.
285209-42-6

CLEBURNE NO. 4 QUADRANGLE

[Latitude 32°00'-32°15'; longitude 97°00'-97°15']

ELLIS, HILL, AND JOHNSON COUNTIES

From Hillsboro northwest along Trinity & Brazos Valley Railroad ⁴⁹ into Blum quadrangle (by W. A. Shumate in 1923)

	<i>Feet</i>
U. S. C. & G. S. standard disk designated "W 64 1919"-----	630. 730
U. S. C. & G. S. standard disk designated "X 64 1919"-----	633. 762
Hillsboro, 0.7 mi. N. of Hill County courthouse, 200 ft. S. of rd. crossing, on W. side of track, on concrete base of signal post; chiseled square-----	601. 69
Hillsboro, 6.4 mi. NW. of, 4.2 mi. S. of Osceola, 100 ft. NW. of rd. intersection, in concrete post; standard tablet stamped "S 2 1923"-----	638. 692
Reference mark, 460 ft. N. of intersection, on W. side of rd., on S. end of concrete bridge; chiseled square-----	631. 42
Osceola, in concrete porch of schoolhouse, 5 ft. N. and 10 ft. E. from SE. entrance; standard tablet stamped "S 3 Texas 1923"-----	700. 393
Reference mark, on E. end of concrete sidewalk to schoolhouse; chiseled square-----	698. 95
Osceola, 0.9 mi. N. of, on W. side of rd., in front of house, in root of 15-in. chinaberry tree; copper nail and washer-----	743. 25

From Hillsboro southwest along Hillsboro-Whitney road about 3 miles into West quadrangle (by E. E. Harris in 1923)

U. S. C. & G. S. standard disk designated "Y 64 1919"-----	630. 799
Hillsboro, 1.1 mi. SW. of, on N. side of rd., in center of concrete culvert; chiseled square-----	558. 77
Hillsboro, 1.7 mi. SW. of, in NW. corner of junction of Hillsboro-Whitney rd. and Hillsboro-Woodbury rd., on top of parapet of concrete culvert; chiseled square-----	586. 26
Hillsboro, 2.5 mi. SW. of, in SW. corner of junction of Hillsboro-Whitney rd. and Dead Horse rd., in center of top of parapet of concrete culvert; chiseled square-----	624. 66

COLEMAN NO. 2 QUADRANGLE

[Latitude 31°45'-32°00'; longitude 99°15'-99°30']

COLEMAN COUNTY

From Ballinger No. 1 quadrangle east and southeast along Gulf, Colorado & Santa Fe Railway into Coleman No. 3 quadrangle (by T. A. Green in 1923)

Valera, 5.0 mi. E. of, 6.8 mi. W. of Coleman Junction, 0.4 mi. E. of milepost 7, 400 ft. N. of R. R. bridge 6-B, on S. side of highway, in third concrete post from W. end of concrete highway bridge; standard tablet stamped "G 10 1923" (recovered by U. S. C. & G. S. in 1935)-----	1, 663. 222
Coleman Junction, 5.0 mi. W. of, on N. side of track, opposite milepost 5; top of steel rail set vertically-----	1, 665. 60
Coleman Junction, 4.1 mi. W. of, 500 ft. NW. of milepost 4, 130 ft. NE. of rd. crossing, 50 ft. NE. of center of crossroads, 40 ft. N. of edge of right-of-way, in SW. fence corner, in concrete post; standard tablet stamped "G 11 1923;" (recovered by U. S. C. & G. S. in 1935)-----	1, 668. 363
Reference mark, 400 ft. SE. of tablet, 100 ft. NW. of milepost 4, 8 ft. N. of track, on top of steel rail set vertically; chiseled cross-----	1, 672. 69

⁴⁹ Now the Burlington-Rock Island R. R.

Coleman Junction, 3.0 mi. W. of, 300 ft. W. of rd. crossing, on N. side of track, 125 ft. NW. of milepost 3, on steel rail set vertically; top of thick portion of flange.....	<i>Feet</i> 1, 650. 70
Coleman Junction, 2.0 mi. W. of, 125 ft. NW. of milepost 2, on N. side of track, on steel rail set vertically; top of narrow portion of flange.....	1, 660. 52
Coleman Junction, 1.0 mi. W. of, 300 ft. NW. of milepost 1, 75 ft. N. of track, 20 ft. N. of right-of-way fence, 20 ft. S. of second-class rd., in large black rock; standard tablet stamped "G 12 1923".....	1, 702. 814
Reference mark, 130 ft. S. of tablet, 150 ft. NW. of milepost 1, on N. side of track, on steel rail set vertically; top of thick portion of flange.....	1, 700. 96
Coleman Junction, opposite signboard; top of S. rail.....	1, 708. 9
Coleman Junction, at junction of main line of Santa Fe Ry., 125 ft. E. of milepost 00, 5 ft. N. of track, 30 ft. E. of switch lock, on steel rail set vertically; top of thick portion of flange.....	1, 694. 63
Coleman Junction, 0.5 mi. SE. of, 80 ft. NW. of milepost 373, 8 ft. N. of track, on steel rail set vertically; top of thick portion of flange..	1, 684. 14
Coleman Junction, 1.5 mi. SE. of, 200 ft. SE. of rd. crossing, 50 ft. W. of track, 300 ft. NW. of milepost 372, between fence line and second-class rd. parallel with R. R., in flat rock; standard tablet stamped "G 13 1923" (recovered by U. S. C. & G. S. in 1931)....	1, 649. 449
Reference mark, 275 ft. E. of tablet, on E. side of track, 140 ft. N. of milepost 372, on steel rail set vertically; top of thick portion of flange.....	1, 657. 31

From Coleman No. 3 quadrangle at point about 1 mile northeast of Santa Anna along roads north and east into Grosvenor quadrangle at point 5.8 miles northeast of Santa Anna (by T. A. Green in 1923)

Santa Anna, 3.2 mi. NE. of, 1.5 mi. E. of crossroads, 300 ft. SE. of group of three live-oak trees, 185 ft. S. of center line of rd., 10 ft. E. of N.-S. fence line, in rock outcrop; standard tablet stamped "G 15 1923".....	1, 695. 173
Reference mark, 50 ft. N. of rd., at group of three live-oak trees, in hub on E. side of northernmost tree; copper nail and washer.....	1, 693. 57
Santa Anna, 4.3 mi. NE. of, 50 ft. S. of center line of rd., 650 ft. E. of house of H. E. Butler, in hub on root of mesquite tree; copper nail and washer.....	1, 620. 28
Santa Anna, 5.0 mi. NE. of, at junction of second-class rd. NW., at point where rd. turns NE., on E. side of rd., on small rock; chiseled bench.....	1, 590. 43

From point 5 miles northeast of Santa Anna along roads north and east into Grosvenor quadrangle at point 7.6 miles southwest of Grosvenor (by G. F. Williams in 1923)

Santa Anna, 6.0 mi. NE. of, in yard of Millard farm, 20 ft. S. of fence to N., 35 ft. W. of gatepost, on sandstone boulder; chiseled square..	1, 581. 28
Santa Anna, 6.7 mi. NE. of, 0.2 mi. W. of junction of T-rd. N., in line with center of T-rd. S., on sandstone boulder; chiseled square.....	1, 543. 04
Santa Anna, 8.0 mi. NE. of, 1.0 mi. NE. of rd. junction, 320 ft. S. of point where rd. turns N., 40 ft. W. of rd., in field, in limestone boulder; standard tablet stamped "W 1 1923".....	1, 530. 217
Santa Anna, 8.7 mi. NE. of, in SE. corner of crossroads, 25 ft. S. and 25 ft. E. from crossroads, 10 ft. S. and 70 ft. W. from NW. corner of yard fence of residence, on rock; chiseled square.....	1, 563. 05

322 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Santa Anna, 9.6 mi. NE. of, in NE. corner of crossroads, 1 ft. S. and 2 ft. E. from corner fence post, on sandstone boulder; chiseled square.....	Feet 1, 618. 59
Santa Anna, 10.4 mi. NE. of, 550 ft. NE. of junction of T-rd. NE., in yard of residence of Carroll Thames, on S. side of rd., 15 ft. S. of right-of-way fence line, 10 ft. N. and 8 ft. W. from NE. corner of yard fence, in limestone boulder; standard tablet stamped "W 2 1923".....	1, 641. 710
Reference mark, in NE. corner of rd. junction, 20 in. E. of SW. corner of concrete watering trough; chiseled square.....	1, 642. 36
Santa Anna, 11.3 mi. NE. of, 9.0 mi. SW. of Grosvenor, on W. side of Santa Anna-Coleman and Comanche rd., in SW. corner of junction of T-rd. W., 1 ft. S. of corner fence post, on rock; chiseled bench.....	1, 578. 25
Grosvenor, 7.9 mi. SW. of, 25 ft. N. of point where Santa Anna-Coleman and Comanche rd. turns NE., 15 ft. N. of right-of-way fence line, in yard of farm residence, on sandstone rock; chiseled square.....	1, 602. 11

COLEMAN NO. 3 QUADRANGLE

[Latitude 31°30'-31°45'; longitude 99°15'-99°30']

COLEMAN COUNTY

From Coleman No. 2 quadrangle southeast along Gulf, Colorado & Santa Fe Railway to Santa Anna, thence along roads east 0.6 mile, thence north and back into Coleman No. 2 quadrangle (by T. A. Green in 1924)

Santa Anna, 1.3 mi. NW. of, on N. side of track, 40 ft. N. of milepost 371, on steel rail set vertically; top of thick portion of flange.....	1, 714. 19
Santa Anna, 1,500 ft. W. of sta., on S. side of track, opposite freight platform, 40 ft. E. of milepost 370, on steel rail set vertically; top of thick portion of flange.....	1, 746. 98
Santa Anna, in front of sta; top of N. rail of main track.....	1, 746. 1
Santa Anna, 250 ft. NE. of sta., 150 ft. NW. of warehouse of Potter Produce Co., in center of street, on top of circular concrete base of electric light pole; chiseled square.....	1, 750. 63
Santa Anna, 8 ft. E. of front entrance to First State Bank, in NE. corner of base of large concrete column; standard tablet stamped "G 14 1923".....	1, 756. 855
Reference mark, 60 ft. SE. of SE. corner of First State Bank, in center of street, on top of circular concrete base of electric light pole; chiseled square.....	1, 754. 60
Santa Anna, 0.6 mi. E. of, 100 ft. N. of junction of T-rd. N., on E. side of rd., on S. end of concrete culvert; chiseled square.....	1, 741. 08

From Rockwood along Rockwood-Whon road north 0.2 mile, thence east 1 mile, thence south 0.2 mile (by W. R. Broadus in 1924)

[A jog from Waldrip quadrangle]

Rockwood, 1.1 mi. along Rockwood-Whon rd. E. of, on W. side of rd., 240 ft. S. of rd. W., in E. side of 6-in. mesquite tree; copper nail and washer.....	1, 442. 56
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COLEMAN NO. 4 QUADRANGLE

[Latitude 31°30'–31°45'; longitude 99°00'–99°15']

BROWN AND COLEMAN COUNTIES

From Grosvenor quadrangle southeast along old Brownwood-Coleman road to point 1 mile north of Bangs, thence north along Thrifty road and back into Coleman No. 1 quadrangle (by F. B. Dodge in 1923; leveled twice)

	<i>Feet</i>
Bangs, 3.2 mi. NW. of, in NE. angle of rd. corner, 4 ft. inside N.-S. fence, 30 ft. inside E.-W. fence, in rock outcrop; standard tablet stamped "D 1 1923"-----	1, 606. 617
Reference mark 1, 8 ft. N. of tablet, on boulder; chiseled circle-----	1, 606. 55
Reference mark 2, 3 ft. E. of tablet, on rock; chiseled circle-----	1, 607. 02
Bangs, 2.7 mi. NW. of, in NW. corner of rd. junction, in post-oak tree used as corner fence post; copper nail and washer-----	1, 594. 60
Bangs, 1.0 mi. N. of, in SW. angle of intersection of Thrifty rd. and old Coleman-Brownwood rd., 2 ft. inside fence, in concrete post; standard tablet stamped "Prim Trav Sta No 4 S 1923"-----	1, 625. 378
Reference mark 1, about 80 ft. NW. of tablet, in root on N. side of oak tree; copper nail and washer-----	1, 622. 32
Reference mark 2, about 100 ft. E. of tablet, in root on NW. side of oak tree; copper nail and washer-----	1, 626. 05

From point 1 mile north of Bangs generally east along old Brownwood-Coleman road and Brownwood-Thrifty road into Zephyr quadrangle (by F. B. Dodge in 1923; relevelled by G. F. Williams in 1924)

Bangs, 1.0 mi. N., thence 1.2 mi. E. from, 0.3 mi. W. of crossroads, at summit of hill, on S. side of rd., 2 ft. inside fence line, in root of 8-in. mesquite tree; copper nail and washer-----	1, 666. 02
Bangs, 1.0 mi. N., thence 3.6 mi. E. from, in SW. angle of junction of rd. N., 4 ft. inside fence, in concrete post; standard tablet stamped "Prim Trav Sta No 3 S 1923 W 15"-----	1, 616. 488
Bangs, 1.0 mi. N., thence 5.2 mi. E. from, 3.5 mi. NW., thence 2.3 mi. W. from post office at Brownwood, 80 ft. N. of turn in rd., on E. side of rd., in yard of Gawfney residence, 12 ft. inside fence, in root of oak tree; copper nail and washer-----	1, 594. 34
Brownwood, 3.5 mi. along Brownwood-Thrifty rd. NW., thence 2.1 mi. W. from, 20 ft. W. of right-angle turn in rd., 15 ft. S. of fork of lanes, on W. side of rd., in root of mesquite tree; copper nail and washer-----	1, 587. 52
Brownwood, 3.5 mi. NW., thence 0.9 mi. W. from, 50 ft. N. of center line of rd., in yard of residence of D. A. Jopling, in root on S. side of 18-in. live-oak tree; copper nail and washer-----	1, 464. 74
Brownwood, 3.5 mi. NW. of, in W. angle of junction of Brownwood-Thrifty rd., on top of limestone ledge; chiseled square-----	1, 402. 88

From Zephyr quadrangle southwest and south along lower Brady-Brownwood road to Jordan Springs School, thence along road east and back into Zephyr quadrangle (by G. F. Williams in 1924)

Brownwood, 6.8 mi. SW. of, 30 ft. W. of rd., 10 ft. W. of center of wooden bridge over drainage ditch, 10 ft. E. of N. post of gate of private rd. to farm of J. A. Beeman, on small limestone rock; chiseled bench-----	1, 493. 49
Brownwood, 7.7 mi. SW. of, on W. side of rd., opposite private rd. E., 25 ft. S. and 30 ft. W. from wooden bridge over drain, in root of southeasternmost mesquite tree of group of five trees; copper nail and washer-----	1, 537. 84

324 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Brownwood, 8.1 mi. SW. of, 245 ft. E. of lower Brady-Brownwood rd., 800 ft. SE. of Jordan Springs School, in pasture, 75 ft. SE. of farmhouse of W. S. Jones, in limestone ledge; standard tablet stamped "Prim Trav Sta No 11 S 1923 W 18"-----	Feet 1, 519. 006
Reference mark, in SW. corner of crossroads, at fence line, in root of northernmost of two mesquite trees; copper nail and washer-----	1, 519. 11
<i>From Mercury quadrangle at point about 2.5 miles northeast of Winchell along roads northeast to point 1 mile southwest of Dulin, thence south and back into Mercury quadrangle at point about 2 miles southwest of Dulin (by W. R. Broaddus in 1924)</i>	
Winchell, 2.5 mi. along Dulin rd. NE. of, at junction of Brooks-Smith rd., in line with rds. SW. and NW., on rock; chiseled square-----	1, 397. 45
Winchell, 3.5 mi. NE. of, 2.8 mi. SW. of Dulin, 20 ft. N. of rd., at summit of hill, in front of house, 8 ft. W. of fence corner, on rock; chiseled square-----	1, 450. 79
Dulin, 1.7 mi. SW. of, 35 ft. N. of rd. corner, on W. side of 4-in. mesquite tree, in root 2 in. underground; copper nail and washer--	1, 371. 37
Dulin, 1.0 mi. SW. of, 45 ft. W. of junction of Mercury, Winchell, and Brownwood rds., in line with Mercury rd. SE., in sandstone outcrop; standard tablet stamped "Prim Trav Sta No 10 J 1924 Texas B 15"--	1, 355. 589
Reference mark, 15 ft. S. of tablet, on sandstone rock; chiseled square.	1, 356. 04
<i>From Grosvenor quadrangle along Brownwood-Thriftly road southeast into Zephyr quadrangle (by A. B. Williams in 1924)</i>	
This line crosses the northwest corner of the quadrangle, joining the line run by F. B. Dodge and G. F. Williams in 1923-24 at the bench mark with an elevation of 1,402.88 feet, established at the junction of old Brownwood-Coleman road and Brownwood-Thriftly road.	
<i>From Mercury quadrangle at point 2.2 miles southwest of Indian Creek along road north and east into Zephyr quadrangle (by E. E. Harris in 1925)</i>	
Indian Creek, 2.1 mi. SW. of schoolhouse at, on W. side of right-angle turn N. in rd.; 8 ft. W. of fence line, in root on N. side of small mesquite tree; copper nail and washer-----	1, 286. 25
<i>From point 1 mile southwest of Dulin along road northeast to Dulin, thence east along Indian Creek road through Bell and Dixon pastures into Zephyr quadrangle at point about 1.5 miles west of Indian Creek (by W. R. Broaddus in 1925)</i>	
Dulin, in front of schoolhouse, on top of E. corner of concrete porch; chiseled square-----	1, 302. 33
Clear Creek, at Dulin, at crossing of Brady-Brownwood rd.; surface of water Jan. 11, 1925-----	1, 281. 2
Dulin, 1.0 mi. E. of, 1,100 ft. E. of summit of ridge, 1,200 ft. NW. of house, 165 ft. E. of crossroads, in fork of small mesquite tree; copper nail and washer-----	1, 321. 09
Dulin, 2.0 mi. E. of, 150 ft. NW. of old house, 15 ft. N. of rd., in fence line, in root on S. side of 15-in. live-oak tree; copper nail and washer--	1, 305. 84
Dulin, 2.9 mi. E. of, at creek crossing, 30 ft. E. of Indian Creek rd. through Bell pasture, in rock outcrop; standard tablet stamped "Prim Trav Sta No 22 J 1924 Texas B 22"-----	1, 338. 198
Reference mark, 130 ft. S.60°E. of tablet, in bench on S. side of 24-in. post-oak tree; copper nail and washer-----	1, 344. 11
Dulin, 3.9 mi. E. of, on S. side of gate across rd., about 800 ft. W. of Dixon house, in root of 10-in. mesquite tree; copper nail and washer-----	1, 401. 16

Dulin, 5.1 mi. E. of, about 800 ft. E. of small isolated hill, 15 ft. S. of gate across rd. in SE.-NW. fence line, in fork of small mesquite tree; copper nail and washer.....	Feet 1, 361. 46
Dulin, 5.5 mi. E. of, 3.0 mi. W. of school at Indian Creek, about 580 ft. W. of residence of J. L. Utzman, 80 ft. E. of rd. junction, in sandstone outcrop; standard tablet stamped "B 24 1925".....	1, 320. 839
Reference mark, 18 ft. S. of tablet, 20 ft. N. of rd., in bench on N. side of 6-in. mesquite tree; copper nail and washer.....	1, 320. 35
Indian Creek, 2.1 mi. W. of, 45 ft. S. of rd. junction, 18 ft. S. of gate, in root of 14-in. leaning mesquite tree; copper nail and washer.....	1, 304. 79

DAVIDSON QUADRANGLE ⁶⁰

[Latitude 34°00'-34°15'; longitude 99°00'-99°15']

WILBARGER COUNTY

From China Creek quadrangle northwest along Fort Worth & Denver City Railway into Vernon quadrangle (by C. E. Reick in 1925; leveled twice)

Electra, 5.8 mi. NW. of, 1.7 mi. SE. of Harrold, 20 ft. N. of track, in NW. angle of rd. crossing; top of iron pipe.....	1, 201. 52
Harrold, 0.8 mi. SE. of, on N. side of track, on SE. foundation block of water tank; chiseled square.....	1, 210. 54
Harrold, in front of sta.; top of rail.....	1, 233. 3
Harrold, 130 ft. SW. of sta., 40 ft. E. of rd.; iron post stamped "R 25 Tex 1925" (recovered by U. S. C. & G. S. in 1933).....	1, 231. 064
Reference mark, 300 ft. W. of iron post, on N. end of concrete culvert; chiseled square.....	1, 232. 26
Harrold, 1.1 mi. NW. of, 500 ft. SE. of milepost 149, on S. end of concrete culvert; chiseled square.....	1, 216. 67
Harrold, 2.1 mi. NW. of, 700 ft. SE. of milepost 150, on N. end of concrete culvert; chiseled square.....	1, 222. 35
Harrold, 4.0 mi. NW. of, 3.2 mi. SE. of Oklaunion, 0.2 mi. SE. of milepost 152, in NE. angle of rd. crossing; iron post stamped "R 26 Tex 1925" (recovered by U. S. C. & G. S. in 1933).....	1, 249. 518
Reference mark, 20 ft. E. of iron post; top of iron pipe filled with concrete.....	1, 250. 00
Oklaunion, 2.5 mi. SE. of, 0.5 mi. SE. of milepost 153, in NE. angle of rd. crossing; top of steel rod.....	1, 280. 29
Oklaunion, 280 ft. NE. of sta., 170 ft. N. of post office, in S. end of concrete culvert; standard tablet stamped "R 27 Tex 1925".....	1, 227. 488
Reference mark, 60 ft. NW. of tablet, on N. end of concrete culvert; chiseled square.....	1, 227. 40
Oklaunion, 0.6 mi. NW. of, at sub-grade crossing, on NE. corner of concrete abutment; chiseled square.....	1, 207. 38
Oklaunion, 1.9 mi. NW. of, 100 ft. S. of track, on S. end of concrete highway culvert; chiseled square.....	1, 225. 75
Oklaunion, 3.2 mi. NW. of, 20 ft. N. of track, on top of milepost 158; chiseled square.....	1, 254. 76
Oklaunion, 4.0 mi. NW. of, 4.7 mi. SE. of Vernon, 0.3 mi. SE. of milepost 159, in SW. angle of rd. crossing, in concrete post; standard tablet stamped "R 28 Tex 1925".....	1, 221. 290
Reference mark, 100 ft. SE. of tablet; top of iron pipe filled with concrete.....	1, 222. 30
Vernon, 3.2 mi. SE. of, 260 ft. SW. of rd. crossing, 100 ft. SE. of service sta., on S. end of concrete culvert; chiseled square.....	1, 225. 62

⁶⁰ The area north of the Red River lies in Oklahoma.

Vernon, 2.4 mi. SE. of, 250 ft. NW. of milepost 161, on NE. corner of bridge abutment; chiseled square.....	Feet 1, 187. 65
Vernon, 1.4 mi. SE. of, 200 ft. SW. of milepost 162, on S. end of culvert; chiseled square.....	1, 178. 91

DENNIS QUADRANGLE

[Latitude 32°30'–32°45'; longitude 97°45'–98°00']

HOOD AND PARKER COUNTIES

From Tolar quadrangle at point 4.3 miles north of Granbury along roads generally east near south border of quadrangle into Godley ⁶¹ quadrangle (by Crawford Dickey in 1923)

Granbury, 4.6 mi. N. of, on Granbury-Weatherford rd., at Fairview Cemetery, in SW. angle of rd. junction, in concrete post; standard tablet stamped "Prim Trav Sta No 8 Y 1923 D 8".....	773. 307
Reference mark, 67 ft. S.30°W. of tablet, on rock; chiseled square....	773. 49
Fairview Cemetery, 1.1 mi. NE. of, at right-angle turn in rd. from NE. to SE. and junction of rd. NE., in front of small house, on N. side of rd., in root of 8-in. oak tree; copper nail and washer....	786. 78
Fairview Cemetery, 2.6 mi. E. of, 120 ft. E. of crossroads, on S. side of rd., at summit of hill, in root of 6-in. mesquite tree; copper nail and washer.....	789. 41
Fairview Cemetery, 3.4 mi. E. of, on N. side of rd., in front of house, in root of 12-in. oak tree; copper nail and washer.....	874. 39

From Tolar quadrangle at point 5.5 miles northwest of Thorp Spring along roads generally north and southeast by way of Walker School and Balch Consolidated School to Tentop Church, thence northeast to point 5.2 miles north of Center Mill, thence southeast and south to point 2.6 miles east of Fairview Cemetery (by Crawford Dickey in 1923)

Thorp Spring, 6.9 mi. NW. of, 75 ft. E. of rd. fork, 0.5 mi. N. of Robertson Creek, in root of 20-in. oak tree; copper nail and washer.....	809. 99
Thorp Spring, 8.3 mi. NW. of, 1.8 mi. SW. of ranch house of D. C. Cogdess, about 0.5 mi. N. of pipe line, in old field, in root of 18-in. twin oak tree; copper nail and washer.....	885. 73
Cogdess ranch house, 1.3 mi. SW. of, about 8 mi. NW. of Thorp Spring, 1.2 mi. SW. of stone barn, on S. side of rd., 25 ft. S. of gate, 2 ft. E. of wire fence, in concrete post; standard tablet stamped "Prim Trav Sta No 22 Y 1923 D 11".....	882. 935
Reference mark, 92.6 ft. N.20°E. of tablet, on rock; chiseled square..	884. 91
Cogdess ranch house, 600 ft. N. of large stone barn, on summit of hill, on E. side of rd., in root of 8-in. elm tree; copper nail and washer.....	906. 76
Cogdess ranch house, 1.3 mi. N. of, 1.4 mi. SE. of Horse Shoe Bend Ford across Brazos River, on E. side of angle in rd., in root of 18-in. twin oak tree; copper nail and washer.....	850. 83
Horse Shoe Bend Ford across Brazos River, 0.25 mi. E. of, 200 ft. S. of residence of J. T. Carter, about 50 ft. S. of corn house, 10 ft. W. of gate, in concrete post; standard tablet stamped "Prim Trav Sta No 23 Y 1923 D 12".....	712. 279
Reference mark, 10 ft. N.10°W. of tablet, in root of 10-in. oak tree; copper nail and washer.....	712. 40

⁶¹ This line crosses the southwest corner of Weatherford No. 4 quadrangle but no bench marks were established in that portion of the line.

Horse Shoe Bend Ford across Brazos River, 0.9 mi. NW. of, 1.5 mi. SW. of Walker School, on E. side of rd., 50 ft. W. of old house, about 1,500 ft. N. of residence of J. H. Myer, in root of 20-in. oak tree; copper nail and washer.....	Feet 719. 11
Walker School, about 800 ft. S. of, at rd. junction, in front of large stone house, in root of 8-in. oak tree; copper nail and washer....	771. 31
Walker School, 1.4 mi. N. of, 1.4 mi. SW. of old Balch School, 3.0 mi. by rd. NW. of Balch Consolidated School, on E. side of rd., on S. side of T-rd. E., in concrete post; standard tablet stamped "Prim Trav Sta No 24 Y 1923 D 13".....	865. 246
Reference mark, 107.3 ft. S.10°W. of tablet, in root of 6-in. oak tree; copper nail and washer.....	865. 26
Balch Consolidated School, 0.9 mi. NW. of, at summit of hill, on N. side of rd., in root of 16-in. twin oak tree; copper nail and washer..	760. 43
Balch Consolidated School, about 400 ft. SW. of, on W. side of main rd., 50 ft. N. of rd. W., 1 ft. E. of wire fence, in concrete post; standard tablet stamped "Prim Trav Sta No 25 Y 1923 D 14".....	743. 691
Reference mark, 43.5 ft. N.20°W. of tablet, in root of 18-in. mesquite tree; copper nail and washer.....	744. 19
Balch Consolidated School, 0.7 mi. SE. of, 0.4 mi. NW. of Tentop Church, in SE. angle of rd. junction, at summit of hill, in root of 12-in. oak tree with wire fence attached; copper nail and washer..	802. 04
Tentop Church, 0.8 mi. NE. of, on S. side of rd., at summit of hill, in root of 18-in. twin oak tree; copper nail and washer.....	799. 09
Tentop Church, 2.0 mi. NE. of, about 2.25 mi. NE. of Balch Consolidated School, about 2 mi. W. of Nebo Mtn., in SW. angle of intersection of second-class rd., in concrete post; standard tablet stamped "Prim Trav Sta No 26 Y 1923 Texas D 15".....	794. 889
Reference mark, 101.6 ft. S.10°W. of tablet, in 18-in. oak tree; copper nail and washer.....	796. 64
Tentop Church, 2.6 mi. NE., thence 0.3 mi. SE. from, 4.9 mi. N. of Center Mill, on W. side of rd., at N. end of steel bridge over Lower Spring Creek, on concrete abutment; chiseled square.....	802. 00
Center Mill, 3.5 mi. N. of, on W. side of Granbury-Weatherford rd., 50 ft. N. of steel bridge over Cidwell Branch, 40 ft. NW. of junction of rd. E., in root of 8-in. oak tree; copper nail and washer.....	805. 92
Center Mill, 2.4 mi. N. of, 20 ft. N. of rd. W. through gate, 25 ft. N. of mail box of Lillian Scott, 30 ft. S. of drain, 1 ft. E. of wire fence, in concrete post; standard tablet stamped "Prim Trav Sta No 27 Y 1923 Texas D 16" ⁶²	832. 072
Reference mark, 17 ft. S.10°E. of tablet, in root of 10-in. oak tree; copper nail and washer.....	831. 58
Center Mill, 1.2 mi. NE. of, 45 ft. S. of main rd. junction, in root of 8-in. oak tree; copper nail and washer.....	901. 38
Center Mill, 650 ft. NE. of, on N. side of rd., in root of 6-in. oak tree; copper nail and washer.....	878. 41
Center Mill, 0.8 mi. along Granbury-Weatherford rd. SW. of, 35 ft. NE. of rd. junction, on field side of fence, 15 ft. E. of fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 28 Y 1923 Texas D 17".....	856. 478
Reference mark, 100 ft. N.40°W. of tablet, in root of 16-in. oak tree; copper nail and washer.....	854. 46

⁶² In 1936 this bench mark was reported destroyed.

Center Mill, 2.0 mi. S. of, 2.6 mi. E., thence 1.5 mi. N. from Fairview Cemetery, 50 ft. W. of junction of rd. NE., in front of house, at summit of hill, in root of 30-in. oak tree; copper nail and washer... Feet
865. 50

DENTON NO. 1 QUADRANGLE

[Latitude 33°15'-33°30'; longitude 97°00'-97°15']

COOKE AND DENTON COUNTIES

From Denton No. 2 quadrangle along roads east to Valley View, thence north into Woodbine quadrangle (by M. S. Bright in 1902)

Era, 4.8 mi. E. of, 2.8 mi. W. of Valley View, at junction of Era-Valley View and Bolivar-Gainesville rds., on S. side of rd., near wire fence; iron post stamped "800 Gainsv"----- 801. 812
 Valley View, at NE. corner of public square, 10 ft. N. of front of hotel of A. Huston; iron post stamped "720 Gainsv"----- 722. 015
 U. S. C. & G. S. B. M.⁶³----- 714. 743

DENTON NO. 2 QUADRANGLE

[Latitude 33°15'-33°30'; longitude 97°15'-97°30']

COOKE, DENTON, MONTAGUE, AND WISE COUNTIES

From Muenster quadrangle at point about 6.5 miles south of Reed along roads south to Era, thence east into Denton No. 1 quadrangle (by M. S. Bright in 1902)

Era, 255 ft. N. of public school, 60 ft. E. of Segrave store, at SW. corner of Stamper hotel block; iron post stamped "909 Gainsv"--- 910. 470

At Rosston (by M. S. Bright in 1903)

[A jog from Muenster quadrangle]

Rosston, at SW. corner of square, 250 ft. W. of store of J. Dill, 20 ft. S. of Raney Brothers general store; iron post stamped "857 Gainsv"-. 858. 571

DENTON NO. 3 QUADRANGLE

[Latitude 33°00'-33°15'; longitude 97°15'-97°30']

DENTON AND WISE COUNTIES

From Rhome along roads west 1.1 miles, thence south into Fort Worth No. 2 quadrangle at point near Newark (by C. E. Reick in 1924)

U. S. C. & G. S. B. M. designated "N"----- 938. 158
 Rhome, 1.1 mi. W. of, at turn S. in rd., 20 ft. E. of fence corner; top of steel axle----- 840. 78
 Rhome, 1.1 mi. W., thence 1.1 mi. S. from, at SW. corner of bridge, in wooden abutment; copper nail and washer----- 773. 58
 Rhome, 1.1 mi. W., thence 1.9 mi. S. from, on W. side of rd., 1,000 ft. N. of turn to E., in rock in place; standard tablet stamped "R 36 Tex 1924"----- 790. 167
 Rhome, 1.1 mi. W., thence 2.0 mi. S. from, 1.6 mi. N. of Newark, on E. side of rd., 430 ft. N. of turn to E., on boulder; chiseled square--- 790. 42
 Newark, 0.5 mi. N. of, on E. side of rd. at junction of rd. W., in root of 18-in. oak tree; copper nail and washer----- 706. 15
 Newark, 30 ft. SW. of center of cross streets, at NE. corner of store of R. A. Hudson, on top of foundation stone; chiseled square----- 691. 65
 Newark, 150 ft. S. of Chicago, Rock Island & Gulf Ry. sta., in NE. corner of property of R. A. Hudson, in concrete post; standard tablet stamped "Prim Trav Sta No 16 Y 1924"----- 693. 026

⁶³ The tie between this bench mark and the iron post stamped "720 Gainsv" was made in 1937.

From Rhome along road west into Boyd quadrangle (by Crawford Dickey in 1924)

Rhome, 1.9 mi. W. of, about 1 mi. E. of Aurora, 500 ft. N. of old barn on S. side of rd., 5 ft. S. of wire fence, on rock; chiseled square..... *Feet*
806. 37

DENTON NO. 4 QUADRANGLE

[Latitude 33°00'-33°15'; longitude 97°00'-97°15']

DENTON COUNTY

From Frisco quadrangle at point near Round Grove School along roads generally west to road junction 0.3 mile west of Hilliard School, thence south into Grapevine quadrangle near crossing of Denton Creek (by C. E. Reick in 1925)

Round Grove School, 1.1 mi. W. of, in SE. angle of junction of lane S., at three mail boxes; top of iron rod..... 548. 06
Round Grove School, 2.0 mi. W. of, on N. side of rd. at right-angle turn S.; top of square iron rod..... 566. 65
Round Grove School, 3.1 mi. W. of, 21 ft. N. and 24 ft. W. from junction of T-rd. E., in concrete post; standard tablet stamped "Prim Trav Sta No 22 Y 1924" and "R 14 Tex 1925"..... 564. 263
Reference mark, 340 ft. S. of tablet, on W. side of rd.; top of iron pipe.. 558. 33

[Line jogs into Grapevine quadrangle]

Grapevine, about 5 mi. N. of, 4.0 mi. E. of Hilliard School, in NW. angle of crossroads; top of iron rod..... 627. 89
Hilliard School, 3.0 mi. E. of, 180 ft. E. of rd. fork, on N. side of rd., in pasture of W. G. Nowlin, in root of 30-in. cottonwood tree; copper nail and washer..... 615. 82
Grapevine, about 5.5 mi. N. and 0.5 mi. W. from, 275 ft. S. of angle in rd., 25 ft. N. and 25 ft. W. from junction of T-rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 20 Y 1924" and "R 16 Tex 1925"⁶⁴..... 643. 591
Reference mark, 100 ft. W. of tablet, on N. side of rd., in root of twin elm tree; copper nail and washer..... 642. 55
Hilliard School, 1.2 mi. E. of, on S. side of rd., on concrete culvert; chiseled square..... 570. 37
Hilliard School, 250 ft. W. of, between forks of rd., in root of 18-in. oak tree; copper nail and washer..... 585. 22
Hilliard School, 0.3 mi. W. of, 1.2 mi. N. of crossing of Denton Creek, 20 ft. W. of rd. fork, in concrete post; standard tablet stamped "Prim Trav Sta No 19 Y 1924" and "R 17 Tex 1925"⁶⁵..... 589. 288
Reference mark, 15 ft. S. of tablet, buried in ground; top of iron rod.. 588. 82

DUNDEE QUADRANGLE

[Latitude 33°30'-33°45'; longitude 98°45'-99°00']

ARCHER AND BAYLOR COUNTIES

From Newcastle No. 2 quadrangle at point about 4 miles north of Megargel along roads north and east into Archer City quadrangle at point about 7 miles west of Archer City (by C. E. Walker in 1926)

Megargel, 4.2 mi. N. of, 20 ft. S. of center line of highway, on property of J. A. Young, 6 ft. inside fence, in crotch of three mesquite trees; copper nail and washer..... 1, 173. 99
Megargel, 5.3 mi. N. of, in line with T-rd. S., on property of C. H. White, in fence line, in concrete post; standard tablet stamped "WA 40 Tex 1926"..... 1, 181. 455

⁶⁴ In 1938 this bench mark was reported destroyed by a road grader.

⁶⁵ In 1938 this bench mark was reported covered up by a road grader.

Megargel, 6.7 mi. N. of, 300 ft. N. of NE. corner of Kickapoo School, 20 ft. E. of rd., in leaning mesquite tree; copper nail and washer	Feet 1, 163. 52
Megargel, 7.6 mi. N. of, 20 ft. SE. of right angle in rd., in fence corner, in concrete post; standard tablet stamped "WA 41 Tex 1926"	1, 136. 438
Megargel, 8.6 mi. N. of, 20 ft. S. of rd., in small drain, on property of W. R. Estill, 2 ft. inside fence, in crotch of 5-in. mesquite tree, 1 ft. above ground; copper nail and washer	1, 141. 18
Megargel, 9.7 mi. N. of, 30 ft. N. of rd. at right-angle turn, on property of J. R. Parkey, 2 ft. inside fence, in concrete post; standard tablet stamped "WA 42 Tex 1926"	1, 153. 284
Reference mark, 30 ft. S. of rd., about 150 ft. E. of inside fence corner, in fence line, in N. side of 4-in. mesquite tree; copper nail and washer	1, 154. 38
Megargel, 11.9 mi. N. of, 15.2 mi. W. of Archer City, 305 ft. SW. of bridge over Kickapoo Creek, on S. side of rd. at angle, 200 ft. NE. of bend in fence line, in concrete post; standard tablet stamped "WA 43 Tex 1926"	1, 094. 034
Reference mark, 500 ft. SW. of bridge, on S. side of rd. at bend, in N. side of 14-in. black-ash tree; copper nail and washer	1, 092. 68
Archer City, 14.0 mi. W. of, on N. side of rd., on property of J. R. Parkey, in W. side of 8-in. leaning mesquite tree; copper nail and washer	1, 123. 67
Archer City, 13.1 mi. W. of, 25 ft. SE. of intersection of center lines at right-angle turn in rd., on W. edge of property of W. C. Winter, 3 ft. NE. of fence corner, in concrete post, flush with ground; standard tablet stamped "WA 44 Tex 1926"	1, 134. 517
Archer City, 10.4 mi. W. of, 55 ft. NE. of junction of T-rd. N., on property of J. H. Turberville, 25 ft. E. of fence corner, in fence line, in concrete post; standard tablet stamped "WA 45 Tex 1926"	1, 062. 890
Reference mark, 25 ft. SW. of rd. junction, on property of John Lewellen, in fence line, in E. side of 10-in. mesquite tree; copper nail and washer	1, 062. 76
Archer City, 8.0 mi. W. of, 34 ft. N. and 26 ft. E. from junction of T-rd. N., at SW. corner of property of V. Seay, in fence corner, in concrete post; standard tablet stamped "WA 46 Tex 1926"	1, 047. 483
<p>From Archer City quadrangle generally west and northwest along Archer City-Dundee road to point near Black Flat School, thence along roads alternately east and north into Mankins quadrangle (by C. E. Walker in 1926)</p>	
Archer City, 4.5 mi. NW., thence 5.8 mi. W. from, 20 ft. S. and 20 ft. W. from junction of N.-S. rd., on property of R. N. Chancellor, in fence corner, in concrete post; standard tablet stamped "WA 99 Tex 1926"	1, 082. 108
Reference mark, in line with rd. E., 10 ft. inside fence line, in E. side of 5-in. mesquite tree; copper nail and washer	1, 081. 61
Archer City, 4.5 mi. NW., thence 6.9 mi. W. from, 8.2 mi. SE. of Black Flat School, 25 ft. S. and 35 ft. E. from junction of E.-W. rd., at NE. corner of property of J. H. Whitaker, in NW. side of 5-in. mesquite tree; copper nail and washer	1, 096. 37
Black Flat School, 6.8 mi. SE. of, 20 ft. N. and 20 ft. E. from junction of T-rd. S., near NE. corner of property of G. W. Dugan, in fence line, in concrete post; standard tablet stamped "WA 100 Tex 1926"	1, 033. 767
Reference mark, 20 ft. N. and 20 ft. W. from rd. junction, in crotch of 8-in. double mesquite tree; copper nail and washer	1, 033. 25

Black Flat School, 4.8 mi. SE. of, about 140 ft. NE. of bridge over North Fork of Little Wichita River, at SW. corner of yard of ranch house, in fence corner, in concrete post; standard tablet stamped "WA 101 Tex 1926" (recovered in 1929)-----	Feet 1, 020. 516
Reference mark, about 200 ft. NE. of bridge, on S. side of ranch house, in S. side of 8-in. mesquite tree; copper nail and washer (recovered in 1929)-----	1, 021. 38
Black Flat School, 3.8 mi. SE. of, on E. side of hill, 250 ft. NE. of rd.; top of leaning 2-in. pipe-----	1, 121. 21
Black Flat School, 2.1 mi. SE. of, 15 ft. S. of cattle guard, in fence corner, in concrete post; standard tablet stamped "WA 102 Tex 1926"-----	1, 151. 339
Black Flat School, at W. entrance of, in W. end of top concrete step; standard tablet stamped "WA 103 Tex 1926" (recovered in 1929) ..	1, 167. 197
Reference mark, at E. entrance to schoolhouse, on W. end of top concrete step; chiseled square (recovered in 1929)-----	1, 167. 20
Black Flat School, 1.0 mi. N. and 2.0 mi. E. from, 5.4 mi. S. of Mankins, at SE. corner of property of M. J. Parish, 10 ft. N. of fence corner, in concrete post; standard tablet stamped "WA 104 Tex 1926"-----	1, 109. 698
Reference mark, 55 ft. SE. of fence corner, in E. side of leaning 6-in. mesquite tree, 3 ft. above ground; copper nail and washer-----	1, 110. 67
Mankins, 3.0 mi. S. of, at dry hole, 100 ft. N. of well hole, in fence corner, in concrete post; standard tablet stamped "WA 105 Tex 1926"-----	1, 075. 107

From point about 9.4 miles southwest of Archer City southwest along roads into Newcastle No. 2 quadrangle (by C. E. Walker in 1926)

Archer City, 2.0 mi. S. and 8.5 mi. W. from, 3.0 mi. W. of Sturgeon School, at right angle in rd., 220 ft. N. of gate on outside of turn, in N.-S. fence line, in concrete post; standard tablet stamped "WA 91 Tex 1926"-----	1, 116. 551
Archer City, 4.2 mi. S. and 8.5 mi. W. from, 32 ft. S. and 20 ft. E. from intersection of center lines at right-angle turn in rd., 58 ft. N. of NW. corner of farmhouse, in fence line, in concrete post; standard tablet stamped "WA 92 Tex 1926"-----	1, 086. 973
Reference mark, near tablet, 50 ft. S. and 20 ft. E. from intersection of center lines at right-angle turn in rd., 40 ft. N. of NW. corner of farmhouse, in fence corner; top of 2-in. pipe-----	1, 087. 03
Archer City, about 4.7 mi. S. and 9.0 mi. W. from, on N. side of McCormack School, on W. side of concrete well curb; chiseled square-----	1, 100. 14
Archer City, about 5.7 mi. S. and 9.0 mi. W. from, 3.8 mi. N. and 9.0 mi. E. from Megargel, 0.8 mi. N. of Gulf pumping sta., on SW. side of large mound, on E. side of rd., in fence line, in concrete post; standard tablet stamped "WA 93 Tex 1926"-----	1, 088. 738
Reference mark, near tablet, on W. side of rd., in fence line, near corner; top of 2-in. pipe-----	1, 087. 83

From Archer City quadrangle at point about 3.6 miles in air line west of Dads Corner northwest along road 1 mile into Mankins quadrangle (by J. A. Shumate in 1929)

Dads Corner, 3.9 mi. in air line W. of, 5.4 mi. S. and 3.8 mi. W. from Holliday, 200 ft. SE. of ford across Holliday Creek, in bench on E. side of 12-in. mesquite tree; copper nail and washer-----	1, 048. 58
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332 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From Archer City quadrangle near North Fork of Little Wichita River southwest along north side of river to Archer City-Dundee road (by J. A. Shumate in 1929)

	<i>Feet</i>
Archer City, 12.5 mi. NW. of, 300 ft. W. of pumping sta. on river, projecting 2 ft. above ground; top of 4-in. pipe.....	999. 72
Archer City, 14.1 mi. NW. of, 4.8 mi. SE., thence 3.2 mi. NE. from Black Flat School, 500 ft. N. of pumping sta. on river, 10 ft. W. of rd. fork, at base of rocky butte, in concrete post; standard tablet stamped "JAS 3 1929".....	1, 003. 892
Reference mark, 51 ft. S.60°E. of tablet, in bench on 5-in. mesquite tree; copper nail and washer.....	1, 003. 66
Black Flat School, 4.8 mi. SE., thence 2.2 mi. NE. from, 40 ft. W. of rd. to pumping sta., at foot of bluff, in bench on mesquite tree; copper nail and washer.....	1, 010. 11
Black Flat School, 4.8 mi. SE., thence 1.2 mi. NE. from, 1.2 mi. NE. of bridge over North Fork of Little Wichita River on Archer City-Dundee rd., about 0.2 mi. N. of river, at E. end of small clearing, in fork of 8-in. mesquite tree; copper nail and washer.....	1, 010. 08

From Black Flat School west and south along road to North Fork of Little Wichita River (by J. A. Shumate in 1929; leveled twice)

Black Flat School, 2.8 mi. SW. of, 100 ft. S. of farmhouse, in bench on E. side of 6-in. mesquite tree; copper nail and washer.....	1, 161. 13
Black Flat School, 3.6 mi. SW. of, at summit of butte, 30 ft. W. of rd.; top of 2-in. pipe.....	1, 113. 74
Black Flat School, 4.6 mi. SW. of, 100 ft. SE. of dim rd. fork, in concrete post; standard tablet stamped "JAS 4 1929".....	1, 090. 790
Reference mark, 40 ft. S. of tablet, in bench on W. side of 5-in. double mesquite tree; copper nail and washer.....	1, 090. 07
Black Flat School, 5.3 mi. SW. of, on N. bank of North Fork of Little Wichita River, in root on N. side of 6-in. hackberry tree; copper nail and washer.....	1, 034. 75

EASTLAND NO. 2 QUADRANGLE

[Latitude 32°15'-32°30'; longitude 98°45'-99°00']

EASTLAND COUNTY

From Eastland No. 3 quadrangle north along Rising Star-Cisco road to Cisco (by T. A. Green in 1923)

Romney, 3.5 mi. N. of, 7.9 mi. S. of R. R. sta. at Cisco, 1,275 ft. N. of mail box of Ira Hooker, on E. side of rd., 200 ft. S. of second-class rd. E., in top of concrete highway bridge; standard tablet stamped "G 34 1923".....	1, 610. 674
Reference mark, on W. side of rd., 110 ft. S. of Hooker mail box, opposite field rd. E., in hub on base of post-oak tree; copper nail and washer.....	1, 626. 20
Cisco, 6.9 mi. S. of, on W. side of rd., 60 ft. NW. of water tank, on top of concrete culvert; chiseled square.....	1, 652. 20
Cisco, 6.0 mi. S. of, on W. side of rd., at concrete highway bridge, on W. end of S. wing wall; chiseled square.....	1, 604. 61
Cisco, 5.2 mi. S. of, 50 ft. E. of center line of rd., 190 ft. N. of house owned and occupied by F. F. Swann, in large sandstone rock, flush with ground; standard tablet stamped "G 35 1923".....	1, 640. 194
Reference mark, 340 ft. N. of tablet, 20 ft. E. of fence corner, in hub on base of post-oak tree; copper nail and washer.....	1, 629. 15

	<i>Feet</i>
Cisco, 3.8 mi. S. of, at SE. corner of iron bridge over creek, on top of concrete wing wall; chiseled square-----	1, 536. 64
Cisco, 2.6 mi. S. of, 500 ft. S. of signboard reading "Cisco 2.2 miles," 55 ft. E. of center line of rd., in flat sandstone rock, flush with ground; standard tablet stamped "G 36 1923"-----	1, 632. 685
Reference mark, 420 ft. NW. of tablet, 100 ft. W. of center line of rd., 140 ft. W. of signboard, in hub on base of post-oak tree; copper nail and washer-----	1, 641. 53
Cisco, at S. end of town, 250 ft. NE. of South Ward School, at SE. corner of street intersection, at green-roofed bungalow, on curb; chiseled square-----	1, 646. 81
Cisco, 4 ft. S. of front entrance to building of Cisco Banking Co., in water table of building, set vertically; standard tablet stamped "G 37 1923" (recovered by U. S. C. & G. S. in 1933)-----	1, 629. 354
Reference mark, 628 ft. N. of tablet, 200 ft. NE. of post office, at NE. corner of intersection of Fourth Street and Avenue D, at base of steel rail at electric light pole; chiseled square-----	1, 625. 65
U. S. C. & G. S. B. M. designated "H 12"-----	1, 619. 833

EASTLAND NO. 3 QUADRANGLE

[Latitude 32°00'-32°15'; longitude 98°45'-99°00']

BROWN, COMANCHE, AND EASTLAND COUNTIES

From Baird No. 4 quadrangle at point about 5.2 miles southwest of Rising Star along Blake-Rising Star road east and north to point on Missouri-Kansas-Texas Railroad 1.7 miles west of Rising Star, thence east to Rising Star, thence generally north along Rising Star-Cisco road into Eastland No. 2 quadrangle (by T. A. Green in 1923)

Rising Star, 5.0 mi. SW. of, 30 ft. NW. of junction of T-rd. N., 400 ft. SW. of house owned by Tebe McCracken, at mail box of W. A. Carter, in fence corner, in concrete post; standard tablet stamped "G 28 1923"-----	1, 628. 423
Reference mark, 406 ft. NE. of tablet, 400 ft. N. of rd. junction, 40 ft. W. of NW. corner of McCracken house, in hub on base of post-oak tree; copper nail and washer-----	1, 632. 69
Rising Star, 4.0 mi. SW. of, 30 ft. W. of point where rd. jogs slightly E., 6 ft. S. of gate at private rd. W., on oblong sandstone rock set vertically and marked "C. W. F."; chiseled square-----	1, 666. 23
Rising Star, 3.0 mi. SW. of, 45 ft. E. of center line of rd., 40 ft. W. of frame house, in hub on W. side of twin post-oak tree; copper nail and washer-----	1, 690. 01
Rising Star, 2.4 mi. SW. of, 30 ft. NE. of crossroads, on land owned by J. W. Clark, in SW. corner of fence, near mail box of A. D. Carroll, in concrete post; standard tablet stamped "G 29 1923"-----	1, 717. 047
Reference mark, 90 ft. NW. of crossroads, 30 ft. W. of rd., in hub on base of mesquite tree; copper nail and washer-----	1, 714. 81
Rising Star, at city water tank, in NW. side of SE. concrete footing, set vertically; standard tablet stamped "G 30 1923" (recovered by U. S. C. & G. S. in 1934)-----	1, 628. 881
Reference mark, 250 ft. NE. of tablet, 275 ft. W. of R. R. sta., 40 ft. S. of tracks, in center of street, on NW. corner of concrete base of electric light pole; chiseled square-----	1, 629. 86
Rising Star, 1.1 mi. N. of, 50 ft. W. of rd., 240 ft. S. of house of J. T. Coursey, in base of small post-oak tree; copper nail and washer----	1, 676. 64
Rising Star, 2.1 mi. N. of, on E. side of rd., opposite two water tanks, on N. end of concrete culvert; chiseled square-----	1, 633. 30

Rising Star, 3.4 mi. N. of, 50 ft. E. of center line of rd., 400 ft. S. of junction of rd. SW., in concrete post; standard tablet stamped "G 31 1923"-----	Feet 1, 649. 586
Reference mark, 400 ft. NE. of tablet, 60 ft. E. of rd. junction, in hub on base of post-oak tree; copper nail and washer-----	1, 644. 23
Rising Star, 4.3 mi. N. of, 40 ft. E. of center line of rd., in front of McGuire house, in hub on base of post-oak tree; copper nail and washer-----	1, 593. 85
Rising Star, 5.3 mi. N. of, 275 ft. NW. of crossroads at Gray's Mill, 60 ft. W. of center line of rd., in base of post-oak tree; copper nail and washer-----	1, 560. 05
Rising Star, 6.4 mi. N. of, 75 ft. W. of center line of rd., at summit of steep grade, in large sandstone boulder; standard tablet stamped "G 32 1923"-----	1, 574. 633
Reference mark, 1,230 ft. N. of tablet, at iron bridge over Sabana River, on W. end of S. concrete wing wall; chiseled square-----	1, 543. 71
Rising Star, 7.3 mi. N. of, 325 ft. S. of crossroads, 45 ft. W. of center line of rd., in field, in hub on base of plum tree; copper nail and washer-----	1, 577. 25
Rising Star, 8.6 mi. N. of, 1.0 mi. S. of Romney, 15 ft. W. of center line of rd., on top of concrete culvert; chiseled square-----	1, 593. 44
Romney, 230 ft. NW. of McCracken store at, 60 ft. W. of center line of rd., in hub on base of post-oak tree; copper nail and washer-----	1, 604. 10
Romney, 0.25 mi. N. of, at junction of second-class rd. W., 125 ft. E. of center line of rd., 80 ft. E. of Long Branch Creek, in large flat sandstone rock, flush with ground; standard tablet stamped "G 33 1923"-----	1, 590. 753
Romney, 1.3 mi. N. of, 60 ft. W. of rd., in front yard of house occupied by A. Rich, in base of chinaberry tree; copper nail and washer----	1, 656. 88

EDEN NO. 2 QUADRANGLE

[Latitude 31°15'-31°30'; longitude 99°45'-100°00']

CONCHO COUNTY

From Paint Rock quadrangle at Paint Rock along roads southeast and northeast and back into Paint Rock quadrangle at point 4.5 miles southwest of Concho (by H. P. Jones in 1923)

Paint Rock, 0.6 mi. S. of Concho County courthouse, at NW. corner of Paint Rock Cemetery, on limestone rock; chiseled square-----	1, 623. 17
Paint Rock, 2.5 mi. SE. of, 30 ft. S. of wooden gate, in root on W. side of 7-in. mesquite tree; copper nail and washer-----	1, 713. 55
Paint Rock, 2.8 mi. SE. of, 90 ft. S. and 30 ft. W. from ranch house, on N. side of rd., in concrete post; standard tablet stamped "HPJ 1 1923"-----	1, 686. 417
Paint Rock, 3.4 mi. SE. of, 5.0 mi. SW. of Concho, 40 ft. S. and 20 ft. W. from wooden gate, in root on N. side of 8-in. mesquite tree; copper nail and washer-----	1, 698. 56

EDEN NO. 4 QUADRANGLE

[Latitude 31°00'-31°15'; longitude 99°30'-99°45']

CONCHO, McCULLOCH, AND MENARD COUNTIES

From Brady No. 3 quadrangle near Whiteland along roads southwest into Menard No. 1 quadrangle (by E. E. Harris in 1925)

Whiteland, at R. R. sta., directly beneath telegraph window, in center of concrete foundation, set vertically; standard tablet stamped "H 227 1925" (recovered by U. S. C. & G. S. in 1931)---	1, 797. 044
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	<i>Feet</i>
Reference mark, 90 ft. E. of tablet, in corner of retaining wall of sta. platform; copper nail and washer.....	1, 796. 68
Whiteland, 1.0 mi. W. of, on S. side of rd., at foot of hill, 700 ft. W. of milepost 936, 2 ft. S. of fence line, in root on N. side of 8-in. mesquite tree; copper nail and washer.....	1, 774. 19
Whiteland, 2.2 mi. W. of, 100 ft. S. of rd., on W. side of private rd. S. through gate, in root on W. side of forked mesquite tree; copper nail and washer.....	1, 790. 47
Whiteland, 3.4 mi. W. of, on S. side of rd., opposite milepost 938-15 of Ft. Worth & Rio Grande Ry., ⁶⁶ in root on N. side of lone mesquite tree; copper nail and washer.....	1, 818. 23
Whiteland, 3.8 mi. SW. of, 4.0 mi. NE. of Lightner School, on S. side of angle in rd., 150 ft. S. of overhead crossing of F. W. & R. G. Ry., 20 ft. E. of private rd. S. through gate, 2 ft. S. of fence line, in stone post; standard tablet stamped "H 228 1925".....	1, 807. 929
Reference mark, 40 ft. N. of tablet, on boulder; chiseled square.....	1, 806. 74
Lightner School, 2.6 mi. NE. of, 3.9 mi. S. of Melvin, 250 ft. W. of crossroads, on N. side of rd., inside fence line, in root on W. side of 6-in. mesquite tree; copper nail and washer.....	1, 846. 24
Lightner School, 1.8 mi. NE. of, on S. edge of rd., 330 ft. W. of milepost 94 of F. W. & R. G. Ry., 700 ft. E. of lane crossing track, in fence line, in root on S. side of prominent mesquite tree; copper nail and washer.....	1, 859. 08
Lightner School, 1.0 mi. NE. of, in SW. corner of forks of private rd. S. across rd., 300 ft. W. of milepost 941-25 of F. W. & R. G. Ry., on stone post; chiseled square.....	1, 869. 19
Lightner School, 150 ft. NE. of, at right-angle turn W. in rd., in SE. corner of junction of private rd. E. through gate, 5 ft. S. of gatepost, 2 ft. E. of fence post, in stone post; standard tablet stamped "H 229 1925" (recovered by U. S. C. & G. S. in 1931).....	1, 919. 940
Reference mark, 104 ft. W. of tablet, in fence line, in root on N. side of 6-in. mesquite tree; copper nail and washer.....	1, 920. 72
Lightner School, 0.8 mi. SW. of, 80 ft. W. of gate in fence line crossing rd., in Y-rd. fork, in crotch of mesquite tree; copper nail and washer...	1, 933. 64
Lightner School, 1.9 mi. SW. of, 40 ft. E. of angle in rd., in root on N. side of prominent live-oak tree; copper nail and washer.....	1, 929. 20
Lightner School, 2.9 mi. SW. of, 300 ft. N. of gate in fence line crossing rd., on W. edge of angle in rd., in root on W. side of twin live-oak tree; copper nail and washer.....	1, 939. 68
Lightner School, 3.2 mi. SW. of, 5.5 mi. NE. of Callan, 60 ft. S. of R. R. crossing, on W. side of rd., 2 ft. S. and 4 ft. W. from corner fence post, in stone post; standard tablet stamped "H 230 1925"...	1, 937. 683
Callan, 4.2 mi. NE. of, about 800 ft. SE. of house, 50 ft. W. of rd., on N. side of draw, in root on N. side of prominent live-oak tree; copper nail and washer.....	1, 960. 53
Callan, 3.0 mi. NE. of, on E. side of rd., in root on E. side of prominent live-oak tree; copper nail and washer.....	1, 975. 58
Callan, 2.3 mi. NE. of, 0.4 mi. N. of gate in fence line crossing rd., on E. side of rd. fork, in root on W. side of 24-in. live-oak tree; copper nail and washer.....	2, 002. 86

⁶⁶ Now a part of the Santa Fe system.

	Feet
Callan, 1.8 mi. NE. of, on S. side of rd. fork, at gate in fence line crossing rd., in SW. corner of T-angle in fence line, 6 ft. from each fence, in limestone post; standard tablet stamped "H 231 1925"-----	2, 001. 298
Reference mark, 139 ft. N.30°E. of tablet, in root on W. side of 36-in. live-oak tree; copper nail and washer-----	1, 998. 57
Callan, 1.1 mi. NE. of, at summit of grade, on S. side of rd., in root on N. side of prominent live-oak tree; copper nail and washer-----	2, 041. 55
Callan, 200 ft. SE. of R. R. sta., 50 ft. N. and 100 ft. E. from crossing, in root on N. side of leaning mesquite tree; copper nail and washer (recovered by U. S. C. & G. S. in 1931)-----	2, 023. 201
Callan, 1.1 mi. SW. of, 60 ft. E. of rd., on W. side of W. fence line of R. R. right-of-way, in root on W. side of prominent live-oak tree; copper nail and washer-----	2, 063. 45
Callan, 1.8 mi. SW. of, on E. side of rd., 2 ft. W. of W. fence line of R. R. right-of-way, opposite center one of three R. R. water tanks, in limestone post; standard tablet stamped "H 232 1925" (recovered by U. S. C. & G. S. in 1931)-----	2, 093. 421
Reference mark, 258 ft. S.20°W. of tablet, in root on N. side of leaning mesquite tree; copper nail and washer-----	2, 092. 69
Callan, 2.6 mi. SW. of, 30 ft. W. of angle in rd., in root on N. side of prominent live-oak tree; copper nail and washer-----	2, 052. 64
Callan, 3. 6 mi. SW. of, on W. side of rd., in root on E. side of prominent live-oak tree; copper nail and washer-----	2, 057. 13

From point 5.2 miles west of Whiteland along road north by way of Melvin into Stacy quadrangle (by E. E. Harris in 1925)

Melvin, 3.1 mi. S. of, on W. side of rd., 5 ft. W. of fence line, in line with private rd. E. through gate, in root on E. side of 10-in. mesquite tree; copper nail and washer-----	1, 834. 44
Melvin, 2.2 mi. S. of, in NE. corner of junction of T-rd. E., at summit of long grade, in angle in fence line, in concrete post; standard tablet stamped "H 260 1925"-----	1, 886. 123
Melvin, 1.2 mi. S. of, on W. side of rd., 70 ft. S. of small bridge, in line with private rd. E. through gate, in root on S. side of small mesquite tree; copper nail and washer-----	1, 847. 45
Melvin, at new high school building, at E. entrance, in NE. corner of top stone step; standard tablet stamped "H 261 1925" (recovered by U. S. C. & G. S. in 1933) ⁶⁶ -----	1, 872. 316
Melvin, 2.2 mi. N. of, in NE. corner of rd. junction, in center of top of parapet of concrete culvert; chiseled square-----	1, 866. 65
Melvin, 3.4 mi. N. of, on E. side of rd., in center of top of parapet of concrete culvert; standard tablet stamped "H.262 1925"-----	1, 881. 665

ELDORADO QUADRANGLE ⁶⁷

[Latitude 34°15'–34°30'; longitude 99°30'–99°45']

HARDEMAN COUNTY

From Elmer quadrangle northwest along Fort Worth & Denver City Railway to Chillicothe (by C. E. Reick in 1925; leveled twice)

Chillicothe, at Bank of Chillicothe, 2 ft. S. of Main Street entrance, in W. end of first stone step; standard tablet stamped "R 36 Tex 1925" (recovered by U. S. C. & G. S. in 1933)-----	1, 400. 936
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⁶⁶ In 1938 this bench mark was reported destroyed.

⁶⁷ The area north of Dog Town Fork of Red River lies in Oklahoma.

Chillicothe, 80 ft. NW. of crossing of Kansas City, Mexico & Orient ⁶⁸ and Fort Worth & Denver City Rys., in concrete post; standard tablet stamped "R 35 Tex 1925" (recovered by U. S. C. & G. S. in 1933)	Feet 1, 390. 837
Chillicothe, on NE. corner base of distance signal (1300 or 1700?), NW. of crossing tower; nature of mark not given (F. W. & D. C. Ry. B. M. 1392.68)	1, 389. 87
From Chillicothe west along road 9.7 miles to junction of road south to Lake Pauline (by C. E. Reick in 1925; releveled by R. W. Burchard in same year)	
Chillicothe, 0.8 mi. W. of, 1,000 ft. W. of creek, on S. end of concrete culvert; chiseled square	1, 379. 55
Chillicothe, 2.3 mi. W. of, 30 ft. SE. of rd. fork, near fence; top of iron pipe	1, 407. 79
Chillicothe, 2.7 mi. W. of, 200 ft. N. of junction of rd. S., on E. end of concrete culvert; chiseled square	1, 409. 76
Chillicothe, 3.5 mi. W. of, 40 ft. S. of rd., in SE. angle of junction of T-rd. S.; standard tablet stamped "R 37 Tex 1925"	1, 435. 863
Reference mark, 240 ft. W. of tablet; on N. side of rd., near fence; top of iron pipe	1, 437. 68
Chillicothe, 4.7 mi. W. of, 850 ft. W. of junction of T-rd. N., on N. end of concrete culvert; chiseled square	1, 457. 87
Chillicothe, 5.7 mi. W. of, 500 ft. S. of large tin barn, 40 ft. NW. of rd. fork, near fence; top of iron pipe	1, 458. 77
Chillicothe, 6.7 mi. W. of, in NW. angle of junction of T-rd. W., in concrete post; standard tablet stamped "R 38 Tex 1925"	1, 473. 663
Reference mark, 300 ft. W. of tablet, on N. side of rd., near fence; top of iron pipe	1, 476. 76
Chillicothe, 7.7 mi. NW. of, 40 ft. S. of junction of T-rd. N.; top of iron pipe	1, 490. 505
Chillicothe, 8.5 mi. NW. of, on N. end of concrete highway culvert; chiseled square	1, 490. 26
Chillicothe, 9.7 mi. NW. of, 40 ft. SW. of entrance to grounds at Lake Pauline, in concrete post; standard tablet stamped "R 39 Tex 1925"	1, 500. 205
Reference mark, 8.8 ft. W. of tablet; top of iron pipe	1, 499. 56
From road junction near Lake Pauline west and north along roads to Fort Worth & Denver City Railway, thence northwest to Quanah, thence along roads south and west into Acme quadrangle (by R. W. Burchard in 1925)	
Chillicothe, 11.7 mi. W. of, 3.8 mi. SE. of Quanah, at crossroads, 15 ft. N. of fence corner, in concrete post; standard tablet stamped "R 40 Tex 1925"	1, 570. 383
Reference mark, 10 ft. N. of tablet, on rock projecting 3 in. above ground; top of rock	1, 570. 61
Quanah, 2.8 mi. SE. of, near F. W. & D. C. Ry. track, at square concrete milepost 189; top of post	1, 569. 60
Quanah, 1.8 mi. SE. of, at square concrete milepost 190; top of post	1, 565. 45
Quanah, at NW. leg of city water tower, in top of concrete base; standard tablet not stamped	1, 570. 206
Reference mark, at SW. leg of tower, on top of concrete base; chiseled square	1, 570. 18

⁶⁸ Now the Panhandle & Santa Fe Ry.

Quanah, 1.0 mi. S. of sta., at SE. corner of intersection of Main and Fourteenth Streets, 15 ft. S. of fence corner, in concrete post; stand- ard tablet stamped "R 41 Tex 1925"-----	Feet 1, 578. 975
Reference mark, 9.4 ft. S. of tablet, in fence line, on rock projecting 3 in. above ground; top of rock-----	1, 578. 94
Quanah, at SW. corner of city limits, at SW. corner of intersection of Quanah-Paducah rd., 5 ft. W. of fence corner, on rock projecting 3 in. above ground; top of rock-----	1, 585. 94
From Quanah No. 4 quadrangle along roads north 1.4 miles, thence east 4 miles to road junction north of Lake Pauline (by R. W. Burchard in 1925)	
Quanah, 3.0 mi. S. of, on Crowell rd., in SE. angle of junction of T-rd. E., in fence corner; top of buried rock-----	1, 559. 91
Quanah, 2.0 mi. S. of, on Crowell rd., in SW. angle of junction of T-rd. W., in fence corner, in concrete post; standard tablet not stamped.	1, 575. 666
Reference mark, 25 ft. W. of tablet, in fence line, on rock projecting 3 in. above ground; top of rock-----	1, 575. 60

ELM MOTT QUADRANGLE

[Latitude 31°30'-31°45'; longitude 97°00'-97°15']

McLENNAN COUNTY

From Temple No. 1 quadrangle at point about 8.3 miles southeast of Waco
along roads on east side of Brazos River northwest to Waco (by C. H. Semper
in 1909; releveled by State Reclamation Department in 1928)

Waco, 8.2 mi. SE. of Missouri-Kansas-Texas Ry. bridge over Brazos River at, 1.0 mi. S. of Houston & Texas Central R. R., ⁶⁹ on rd. to Riesel, 200 ft. N. of gate; iron post stamped "Prim Trav Sta No 127 A 85 421"-----	425. 209
Waco, 6.7 mi. SE. of, at rd. fork, on S. bank of Shaw Creek, in root of Spanish-oak tree; spike-----	391. 37
Waco, 5.9 mi. SE. of, 130 ft. N. of steel wagon bridge, 100 ft. W. of H. & T. C. R. R. trestle, at SE. fence corner; iron post stamped "Prim Trav Sta No 128 A 86 374"-----	378. 330
Waco, 4.0 mi. SE. of, on E. side of rd., 75 ft. W. of section house on H. & T. C. R. R., at fence line; iron post stamped "Prim Trav Sta No 129 A 87 385"-----	388. 627
Waco, 1.8 mi. SE. of, on W. side of rd., 175 ft. E. of house of J. McGanghy, at gate; iron post stamped "Prim Trav Sta No 130 A 88 393"-----	396. 570
Waco, at M. K. T. Ry. bridge over Brazos River, 1,142 ft. NE. of intersection of M. K. T. Ry. and San Antonio & Aransas Pass Ry., ⁷⁰ on N. end of W. side, in top of abutment; aluminum tablet stamped "Prim Trav Sta No 131 A 89 397" (restamped "V 321" by U. S. C. & G. S. in 1935)-----	396. 498
U. S. C. & G. S. copper bolt designated "G 4" (recovered in 1923)---	414. 491
From Temple No. 1 quadrangle at point about 5.7 miles southeast of Waco along roads on west side of Brazos River northwest to Waco (by F. H. West in 1910; releveled by State Reclamation Department in 1928)	
Waco, 5.1 mi. SE. of, 600 ft. SW. of red house, on N. side of lane, 18 in. from wire fence, in open field; iron post stamped "Prim Trav Sta No 52 386"-----	384. 002

⁶⁹ Now the Texas & New Orleans Division of the Southern Pacific Co.

⁷⁰ Now leased by the Texas & New Orleans Division of the Southern Pacific Co.

Waco, 4.5 mi. SE. of, 0.5 mi. NE. of red house, 600 ft. S. of lane through bottom, at N. side of old lane, 50 ft. W. of fence corner, in root of 15-in. elm tree; nail	Feet 380. 35
Waco, 4.0 mi. SE. of, about 0.25 mi. E. of main Waco rd., 400 ft. NE. of edge of bottom land, 600 ft. E. of large barn, at N. edge of field, near wire fence; iron post stamped "Prim Trav Sta No 53 387"	385. 033
Waco, 3.5 mi. SE. of, 75 ft. N. of creek, in field, in root of small elm tree; nail	390. 07
Waco, 2.9 mi. SE. of, 47 ft. NE. of center line of S. A. & A. P. Ry., at N. corner of crossing of main Waco rd., in corner of right-of-way fence; iron post stamped "Prim Trav Sta No 54 403"	402. 418
From Waco southwest along St. Louis Southwestern Railway 5.2 miles, thence along roads alternately northwest and west by way of McLennan Crossing of South Bosque River into Valley Mills quadrangle at point 1.4 miles south of Speegleville (by C. E. Reick in 1923)	
Brazos River, at bridge; surface of water Sept. 18, 1923	362. 2
Waco, at McLennan County courthouse, 80 ft. E. of Washington Street entrance, in concrete post; standard tablet stamped "R 11 Texas 1923 423"	422. 617
Waco, at SW. corner of intersection of Jackson and Thirteenth Streets; top of fire hydrant	428. 04
Waco, 2.3 mi. SW. of, 1.5 mi. SW. of S. L. SW. Ry. sta., in NW. angle of intersection of Twenty-sixth Street, in concrete post; standard tablet stamped "R 1 Texas 1923"	469. 695
Reference mark, at Magnolia Petroleum Building, in center of stone sill of E. entrance; chiseled cross	473. 11
Waco, 3.3 mi. SW. of, 200 ft. N. of signal 8479 of M. K. T. Ry., at concrete culvert under S. L. SW. Ry. track, on top of E. end; chiseled square	510. 53
Waco, 5.2 mi. SW., thence 0.5 mi. NW. from, 40 ft. E. of macadam rd., at sharp turn, 120 ft. SE. of house of S. L. Owen, in concrete post; standard tablet stamped "R 2 Texas 1923"	621. 889
Reference mark, 10 ft. S. of gate on E. side of Owen house, in root of 20-in. live-oak tree; copper nail	622. 72
Waco, 5.2 mi. SW., thence 1.8 mi. NW. from, 2.8 mi. NE. of McLennan Crossing of South Bosque River, at junction of McGregor rd., on S. side of rd., in root of 10-in. mesquite tree; copper nail	609. 03
McLennan Crossing, 2.0 mi. NE. of, on N. side of rd., in root of 30-in. live-oak tree; copper nail	620. 64
McLennan Crossing, 1.3 mi. NE. of, about 7.5 mi. SW. of Waco, 800 ft. W. of entrance to Waco Boat Club grounds, in NW. angle of rd. junction, in concrete post; standard tablet stamped "R 3 Texas 1923"	503. 860
Reference mark, on N. side of rd., in root of 15-in. hackberry tree; copper nail	503. 51
From Valley Mills quadrangle at point 0.2 mile east of Speegleville along roads generally northwest to Bosqueville, thence east and southeast to Waco (by C. E. Reick in 1923)	
Speegleville, 0.9 mi. NE. of, on NE. corner of small bridge; top of bolt	445. 26
Speegleville, 1.8 mi. NE. of, 50 ft. N. of junction of NW.-SE. rd., on bank, in concrete post; standard tablet stamped "R 5 Texas 1923"	426. 787
Reference mark, 30 ft. NE. of rd. junction, in root on W. side of 40-in. oak tree; copper nail	426. 01

	<i>Feet</i>
Speegleville, 3.2 mi. NE. of, at crossing of North Bosque River, 50 ft. E. of old rd., in W. side of 30-in. elm tree; spike.....	414. 27
Speegleville, 4.3 mi. NE. of, 1.1 mi. NE. of ford, 1.7 mi. NW. of Walkers Crossing of North Bosque River; on E. side of rd., in root of 10-in. mesquite tree; copper nail.....	459. 10
Walkers Crossing, 2.0 mi. NW. of, 1.9 mi. SW. of Bosqueville, in grass triangle at rd. junction, 250 ft. N. of Boggs residence, in concrete post; standard tablet stamped "R 6 Texas 1923".....	473. 018
Reference mark, 250 ft. S. of rd. junction, in front yard of Boggs residence, in root of 10-in. elm tree; copper nail.....	470. 81
Bosqueville, 1.1 mi. SW. of, in SE. angle of junction of T-rd. SE., in root on N. side of 10-in. hackberry tree; copper nail.....	471. 75
Bosqueville, 0.5 mi. SE. of, 0.5 mi. NW. of Banana Junction, 80 ft. SW. of crossroads, in base of 10-in. mesquite tree; iron spike.....	463. 46
Bosqueville, 0.2 mi. SE., thence 0.4 mi. S. from, at Banana Junction, 50 ft. N. of rd. junction, 100 ft. W. of store of D. J. Harrell, in concrete post; standard tablet stamped "R 7 Texas 1923".....	448. 967
Reference mark, 100 ft. SW. of Harrell store, in root on N. side of 20-in. hackberry tree; copper nail.....	449. 92
Bosqueville, 150 ft. W. of colored Baptist Church, in root of 10-in. mesquite tree; copper nail.....	454. 18
Bosqueville, 0.9 mi. E. of, 300 ft. S. of house of John Weaver, in root on E. side of 30-in. live-oak tree; copper nail.....	441. 35
Bosqueville, 1.5 mi. E. of, 400 ft. S. of house of John Steinbeck, in root of 10-in. mesquite tree; copper nail.....	424. 44
Bosqueville, 2.2 mi. E. of, 50 ft. W. of crossroads, in concrete post; standard tablet stamped "R 8 Texas 1923".....	410. 070
Reference mark, 30 ft. S. of crossroads, in root on E. side of 30-in. elm tree; copper nail.....	409. 79
Bosqueville, 3.3 mi. SE. of, 3.9 mi. NW. of Waco, 300 ft. W. of rd. junction, in root on E. side of 14-in. mesquite tree; copper nail....	400. 40
Brazos River, at Johnsons Landing; surface of water Oct. 6, 1923....	367. 6
Waco, 3.0 mi. NW. of, in SE. angle of junction of T-rd. SE., in root of 20-in. oak tree; copper nail.....	421. 87
Waco, 2.4 mi. NW. of, 200 ft. S. of residence of W. H. George, 20 ft. E. of gate, in concrete post; standard tablet stamped "R 9 Texas 1923"....	410. 881
Reference mark, 150 ft. S. of George residence, in root on S. side of 30-in. oak tree; copper nail.....	413. 09
Waco, in W. angle of intersection of James and Turner Streets, in East Waco; top of fire hydrant.....	401. 56
Waco, at NE. corner of intersection of Turner and Chestnut Streets, in East Waco; top of fireplug.....	398. 99
Waco, 30 ft. W. of intersection of Southern Pacific & Dallas Electric R. R., in East Waco; top of rail set vertically.....	396. 29
<p>From Valley Mills quadrangle at point about 2.8 miles southeast of Erath northeast 0.3 mile, thence southeast to point 1.0 miles southwest of Bosqueville (by C. E. Reick in 1923)</p>	
Erath, about 3 mi. SE. of, 1.9 mi. SW., thence 2.4 mi. NW. from Bosqueville, 500 ft. N. of residence of Mrs. S. N. DeHay, in SW. angle of crossroads, in concrete post; standard tablet stamped "R 19 Texas 1923".....	515. 707
Reference mark, 100 ft. S. of DeHay residence, on W. side of rd., in root of 14-in. mesquite tree; copper nail.....	510. 33

Bosqueville, 1.9 mi. SW., thence 1.3 mi. NW. from, about 0.3 mi. SE. of right-angle turn, on E. side of rd., in base of 10-in. mesquite tree; iron bolt-----
Feet
514. 28

ELMER QUADRANGLE⁷¹

[Latitude 34°15'-34°30'; longitude 99°15'-99°30']

HARDEMAN AND WILBARGER COUNTIES

From Vernon quadrangle northwest along Fort Worth & Denver City Railway into Eldorado quadrangle (by C. E. Reick in 1925)

Tolbert, 5.2 mi. NW. of, 2.5 mi. SE. of Chillicothe, 0.4 mi. SE. of milepost 177, in NW. angle of rd. crossing, in concrete post; standard tablet stamped "R 34 Tex 1925" (recovered by U. S. C. & G. S. in 1933)----- 1, 417. 143
 Reference mark, 290 ft. N. of tablet, 20 ft. W. of rd.; top of steel rod... 1, 418. 74
 Chillicothe, 1.4 mi. SE. of, 0.6 mi. SE. of milepost 178, on N. end of highway culvert; chiseled square----- 1, 400. 77

FORT WORTH NO. 2 QUADRANGLE

[Latitude 32°45'-33°00'; longitude 97°15'-97°30']

DENTON, TARRANT, AND WISE COUNTIES

From Denton No. 3 quadrangle at point near Newark along roads south about 0.7 mile, thence west 0.7 mile into Springtown quadrangle (by C. E. Reick in 1924)

Newark, 0.9 mi. S. of Chicago, Rock Island & Gulf Ry. sta. at, 3.7 mi. E. of Briar, in triangle of rd. forks, in root on E. side of 15-in. oak tree; copper nail and washer-----
734. 63

From Grapevine quadrangle southwest along Chicago, Rock Island & Gulf Railway and First Street in Fort Worth into Fort Worth No. 3 quadrangle (by C. E. Walker in 1925)

Fort Worth, 4.0 mi. NE. of First Street bridge over Trinity River, 5.0 mi. SW. of Hurst, at semaphore block signal 6166, on SE. corner of concrete base; chiseled square----- 510. 20
 Fort Worth, 3.5 mi. NE. of, 340 ft. W. of crossing, at semaphore block signal 6161, on top of NW. corner of concrete base; chiseled square... 510. 79
 Fort Worth, 2.0 mi. NE. of, about 120 ft. W. of crossing, on N. side of track, on SE. corner of concrete base of switch box; chiseled square----- 528. 58
 Fort Worth, 1.0 mi. NE. of, at Universal Flour Mills, 100 ft. NW. of crossing, in SW. side of 6-in. pecan tree; copper nail and washer... 556. 91
 Fort Worth, near NE. limits of, 115 ft. E. of intersection of East First Street and Frey Avenue, in front of residence of R. H. Loyd, 4 ft. N. of gate, on NW. corner of concrete sidewalk; chiseled square... 553. 78
 Fort Worth, 238 ft. E. of East First Street bridge over Trinity River, 8 in. N. of N. fence of rd., on property belonging to A. L. Hightower; iron post stamped "No 32-530.6" (Texas Reclamation Dept. B. M. 32)----- 530. 388

⁷¹ The area north of Dog Town Fork of Red River lies in Oklahoma.

FORT WORTH NO. 3 QUADRANGLE

[Latitude 32°30'–32°45'; longitude 97°15'–97°30']

JOHNSON AND TARRANT COUNTIES

From bridge over Clear Fork of Trinity River at point 2.1 miles southwest of Fort Worth southwest along Texas & Pacific Railway to Benbrook (by W. C. Thompson in 1922)

Feet

U. S. C. & G. S. standard disk stamped "D 10 1910"-----	557. 341
Fort Worth, 3.7 mi. SW. of sta., 5.2 mi. NE. of Benbrook, at T. & P. Ry. trestle over small creek and second-class rd., in S. end of second cross beam from E. end; bolt head-----	578. 50
U. S. C. & G. S. B. M. designated "G 10"-----	662. 741
From Benbrook alternately south and west along roads to Plover, thence northeast along Fort Worth & Rio Grande Railway to junction of Texas & Pacific Railway, thence southwest 0.5 mile to bridge over Clear Fork of Trinity River (by W. C. Thompson in 1922; releveled by C. R. Fisher in same year)	
Benbrook, 1.5 mi. S. of, 1.0 mi. S. of Benbrook School, on Granberry rd., on E. bannister of concrete culvert; painted square-----	663. 40
Benbrook School, 1.8 mi. S. of, on W. bannister of concrete culvert; painted square-----	657. 08
Benbrook School, 3.0 mi. SW. of, 3.8 mi. NE. of Plover, at iron bridge over Dutch Branch, on W. bannister; painted square-----	663. 45
Clear Fork of Trinity River; bridge floor-----	675. 9
Plover, seven telephone poles N. of sta. sign, at F. W. & R. G. Ry. trestle over Mustang Creek, in center of W. side; bolt head-----	709. 48
U. S. C. & G. S. standard disk stamped "F 115 1933" ⁷² -----	708. 306
Plover, 1.1 mi. NE. of, 1.9 mi. SW. of Primrose, in center of W. side of R. R. bridge; bolt head-----	686. 79
Primrose, 3.4 mi. NE. of, seven telephone poles E. of milepost 743, at trestle, in S. end of center cross beam; bolt head-----	756. 05
Primrose, 5.6 mi. NE. of, 2.0 mi. SW. of Belt Junction, at milepost 741, in S. side of center of trestle; bolt head-----	685. 48
Belt Junction, 1.9 mi. NE. of, 1.7 mi. SW., thence 1.6 mi. S. from Fort Worth sta., in front of house at 1945 Eighth Avenue, 20 ft. E. of F. W. & R. G. Ry. bridge, on concrete culvert; chiseled square-----	625. 33
From point 1.9 miles northeast of Belt Junction north along Fort Worth & Rio Grande Railway to bridge over Clear Fork of Trinity River (by C. R. Fisher in 1922; spur line)	
Fort Worth, 1.5 mi. SW., thence 0.4 mi. N. from sta., on left bank of Clear Fork, at W. end of downstream side of steel span of F. W. & R. G. Ry. bridge, in top of concrete pier; bronze tablet stamped "No 7-550.2" (Texas Reclamation Dept. B. M. 7)-----	550. 296
From Fort Worth No. 2 quadrangle at point in Fort Worth generally southeast along streets, Dallas-Fort Worth pike (State Highway 1), and Texas & Pacific Railway into Fort Worth No. 4 quadrangle (by C. E. Walker in 1926)	
U. S. C. & G. S. cross on copper bolt designated "V"-----	619. 333
Fort Worth, at SW. corner of intersection of East First and Central Streets, 300 ft. E. of Chicago, Rock Island & Gulf Ry. track, on SE. side of fire hydrant; top of gasket bolt-----	524. 20
Fort Worth, about 0.6 mi. W. of highway bridge over Sycamore Creek, in center of top of N. concrete head wall of culvert; chiseled square--	521. 86

⁷² A tie between this bench mark and the preceding mark was made in 1937, but the results were unsatisfactory.

Fort Worth, at crossing of Sycamore Creek, 4.7 mi. NW. of Handley, on SE. corner of highway bridge; chiseled square.....	<i>Feet</i> 518. 86
Handley, 3.0 mi. along T. & P. Ry. W. of, 0.5 mi. NE. of Texas Womans College, at College Hill, 42 ft. S. and 72 ft. E. from rd. crossing, on sharp ridge, at S. edge of right-of-way, in concrete post; standard tablet stamped "Prim Trav Sta No 7 S 1925".....	629. 321
Handley, 2.1 mi. W. of, 385 ft. E. of crossing of Englewood rd., opposite small telegraph sta., at base of semaphore signal block; top of SW. anchor bolt.....	662. 31

FORT WORTH NO. 4 QUADRANGLE

[Latitude 32°30'-32°45'; longitude 97°00'-97°15']

DALLAS, ELLIS, JOHNSON, AND TARRANT COUNTIES

From Fort Worth No. 3 quadrangle generally east along Texas & Pacific Railway into Dallas No. 3 quadrangle at point in Grand Prairie (by C. E. Walker in 1925)

Handley, 300 ft. SW. of sta., 75 ft. S. and 45 ft. W. from crossing, 12 ft. N. of fence corner, near telephone pole, in concrete post; standard tablet stamped "Prim Trav Sta No 8 S 1925".....	588. 172
Reference mark, 1,400 ft. W. of sta., at T. & P. Ry. trestle over inter-urban line, on NE. concrete abutment; chiseled square.....	595. 10
U. S. C. & G. S. copper bolt designated "W".....	578. 473
Handley, 1.0 mi. E. of, 1,200 ft. W. of crossing, 750 ft. W. of sta. sign, on top of N. end of 6-ft. concrete R. R. culvert; chiseled square....	527. 79
Handley, 2.6 mi. E. of, 4.8 mi. SW. of Arlington, 24 ft. S. of State Highway 1, in line with center line of T-rd. N., in fence line, in concrete post; standard tablet stamped "WA Tex 5 1925".....	493. 728
Reference mark, 55 ft. NE. of intersection, at SW. corner of pecan grove, in root on S. side of forked pecan tree; copper nail and washer.....	494. 05
Arlington, 2.6 mi. SW. of, about 200 ft. N. of Bowen sta. on inter-urban R. R., 95 ft. NW. of crossing, 60 ft. W. of rd., in fence line, in concrete post; standard tablet stamped "WA 4 Tex 1925".....	563. 115
Arlington, 1.4 mi. W. of, 105 ft. NE. of crossing, in front of Masonic Home, on top of head wall of tunnel under highway; chiseled square.....	622. 12
Arlington, at entrance to Farmers National Bank building, in N. end of concrete step; standard tablet stamped "WA 3 Tex 1925".....	613. 568
Reference mark, 12.5 ft. E. of entrance to Citizens National Bank building, near brick wall, on sidewalk; chiseled square.....	613. 66
U. S. C. & G. S. copper bolt designated "X".....	618. 017
Arlington, 2.7 mi. NE. of, 2.3 mi. W. of Dalworth, 30 ft. N. and 25 ft. E. from crossroads, at fence corner, in concrete post; standard tablet stamped "WA 2 Tex 1925".....	581. 482
Reference mark, 25 ft. NW. of crossroads, on W. end of concrete head wall of culvert; chiseled square.....	582. 69
Dalworth, at E. end of sta., 500 ft. W. of rd. crossing, on E. concrete parapet of drive; chiseled square.....	553. 60
Grand Prairie, 830 ft. W. of sta., on S. side of water tank, in SE. concrete pier; top of anchor bolt.....	532. 44

FREDERICKSBURG NO. 1 QUADRANGLE

[Latitude 30°15'–30°30'; longitude 98°30'–98°45']

BLANCO AND GILLESPIE COUNTIES

From Llano No. 4 quadrangle at point about 8 miles south of Oxford along roads southwest into Fredericksburg No. 2 quadrangle at point about 11 miles northeast of Fredericksburg (by Thomas Winsor in 1898)

Oxford, 8.9 mi. S. of, on E. side of rd., at junction of rd. E., 10 ft. N. of 18-in. dead post-oak tree used as gatepost; iron post stamped "1287 SA"-----	Feet 1, 281. 129
Oxford, 12.5 mi. S. of, 17.4 mi. NE. of Gillespie County courthouse at Fredericksburg, on W. slope of Bell Mountain, on E. side of rd., at summit of hill; iron post stamped "1851 SA"-----	1, 844. 219
Fredericksburg, 14.4 mi. NE. of, at junction of Llano-Willow City rd., 12 ft. W. of SW. fence corner; iron post stamped "1749 SA"---	1, 743. 064
Fredericksburg, 12.25 mi. NE. of, at junction of Burnet-Fredericksburg rd., 8 ft. N. of NW. fence corner; iron post stamped "1826 SA"-----	1, 820. 176

From northwest corner of Blanco No. 2 quadrangle at point about 4 miles northwest of Smith ranch southwest along Burnet-Fredericksburg road to point 12.25 miles northeast of Fredericksburg (by Thomas Winsor in 1898)

Blowout, 4.75 mi. NE. of, 800 ft. SW. of White Creek, on NW. side of rd., 7 ft. SW. of gate; iron post stamped "1075 SA"-----	1, 067. 807
Blowout, 1.7 mi. NE. of, 500 ft. SW. of Comanche Creek, on NW. side of rd., 2 ft. SW. of gate; iron post stamped "1240 SA"-----	1, 233. 062
Blowout, 1.0 mi. SW. of, 80 ft. SW. of gate, on W. side of rd., 11 ft. E. of stone wall, in granite outcrop; standard tablet stamped "1403 SA"-----	1, 395. 754
Blowout, 3.75 mi. SW. of, 7.1 mi. NE. of Willow City, at rd. fork, 3 ft. S. of mail box post; iron post stamped "1544 SA" (recovered in 1900)-----	1, 536. 986
Willow City, 3.7 mi. NE. of, 12 ft. NE. of dead post-oak tree used as corner fence post, on N. side of rd.; iron post stamped "1630 SA"---	1, 623. 166
Willow City, 8 ft. W. of NE. corner of yard of Rick cotton gin, on S. side of rd.; iron post stamped "1680 SA"-----	1, 673. 017

From Fredericksburg No. 2 quadrangle at point about 4 miles southeast of Grobe ranch along roads southeast, northeast, and northwest to point 3.75 miles southwest of Blowout (by M. S. Bright in 1900)

Grobe ranch, 7.0 mi. SE. of, 200 ft. S. of gate, 120 ft. W. of dry creek, on N. side of rd., at foot of hill, in fence corner; iron post stamped "1628 SA"-----	1, 621. 447
Grobe ranch, 10.5 mi. SE. of, 3.4 mi. W. of Whitnen Gap, on N. side of rd., at entrance to Nebgen ranch, 1,000 ft. S. of house and windmill; iron post stamped "1718 SA"-----	1, 711. 706
Whitnen Gap, Brushy Mountain, 14.0 mi. E. of Grobe ranch, 4.4 mi. SW. of Sultemier ranch house, at rd. fork at head of draw, 300 ft. S. of cultivated field, 400 ft. SW. of big gate; iron post stamped "1742 SA"-----	1, 735. 440
Sultemier ranch house, 0.3 mi. SW. of, at junction of Johnson City and Grape Creek rds.; iron post stamped "1646 SA"-----	1, 639. 420
Hobart and Eckart pastures, on line between, 25 ft. E. of rd., at gate, in rock; iron post stamped "1427 SA"-----	1, 419. 911

FREDERICKSBURG NO. 2 QUADRANGLE

[Latitude 30°15'-30°30'; longitude 98°45'-99°00']

GILLESPIE COUNTY

From Fredericksburg No. 1 quadrangle at point about 11 miles northeast of Fredericksburg along roads southwest to Fredericksburg (by Thomas Winsor in 1898)

Fredericksburg, 9.5 mi. NE. of, on NW. side of rd., near wire fence, 27 ft. NW. of 14-in. post-oak tree at fence angle; iron post stamped "1953 SA"-----	Feet 1, 947. 280
Fredericksburg, 6.5 mi. NE. of, on W. side of rd., 60 ft. E. of gate to Grobe ranch, 4 ft. W. of 15-in. post-oak tree used as corner fence post; iron post stamped "1724 SA" (recovered in 1901)-----	1, 718. 291
Fredericksburg, 4.5 mi. NE. of, 650 ft. NE. of Palo Alto Creek, at angle in rd., 18 ft. N. of fence corner; iron post stamped "1649 SA"-----	1, 643. 296
Fredericksburg, 2.75 mi. NE. of, at junction of settlement rd. N., 8 ft. NE. of NE. fence corner; iron post stamped "1824 SA"-----	1, 818. 335
Fredericksburg, on SE. side of Gillespie County courthouse, 7 ft. NE. of entrance, in stone trimming at corner of projection; standard tablet stamped "1708 SA" (recovered in 1925; also recovered by U. S. C. & G. S. in 1934)-----	1, 702. 415
U. S. C. & G. S. standard disk stamped "P 81 1931" ⁷³ -----	1, 694. 783
Fredericksburg, at SW. corner of junction of Comfort rd. and main street, at entrance to service sta., in curve of curb; iron post stamped "1695 SA" ⁷⁴ -----	1, 689. 657

Along roads southwest to Loyal Valley-Willow City road, thence generally east to point 2 miles south of Enchanted Rock, thence north (by Thomas Winsor in 1898)

[A jog from Llano No. 3 quadrangle]

Fredericksburg, 16.0 mi. N. of, 0.25 mi. NE. of ranch house of H. Keese, on W. side of drain, 100 ft. E. of stone marked "F B 16 M," 20 ft. NE. of gate, in granite outcrop; aluminum tablet stamped "1724 SA" (recovered in 1901)-----	1, 717. 574
Keese ranch house, 3.0 mi. E. of, on N. side of rd., in gray granite outcrop; aluminum tablet stamped "1691 SA"-----	1, 683. 944
Enchanted Rock, 0.25 mi. S. of, 500 ft. NE. of corrals at old Morse ranch, 30 ft. S. of rd., at base of 15-in. elm tree, in pink granite boulder; aluminum tablet stamped "1414 SA"-----	1, 407. 141

From Grobe ranch southeast along road about 4 miles into Fredericksburg No. 1 quadrangle (by M. S. Bright in 1900)

Grobe ranch, 3.5 mi. SE. of, 12 ft. N. and 12 ft. W. from crossroads, 40 ft. S. of gate; iron post stamped "1674 SA"-----	1, 667. 530
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From Fredericksburg No. 3 quadrangle north along Center Point road to Junction City road, thence east to Fredericksburg (by M. S. Bright in 1901)

Fredericksburg, 3.5 mi. W. of, 60 ft. E. of intersection of Junction City rd., on S. side of rd., in front of house; iron post stamped "1816 SA"-----	1, 809. 602
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⁷³ The tie between this mark and the bench mark stamped "1708 SA" was made in 1936.

⁷⁴ This bench mark was reset in 1925 and again in 1930. As originally established, in 1900, the mark was 0.167 feet lower and approximately 60 feet south and 35 feet west from the position described above.

346 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From point 2 miles west of Fredericksburg north along lane and Fort Mason road to Crab Apple road, thence east to point 16 miles north of Fredericksburg (by M. S. Bright in 1901)

	<i>Feet</i>
Fredericksburg, 3.25 mi. NW. of, on SW. side of hill, on S. side of rd., near wire fence; iron post stamped "1899 SA"	1, 892. 651
Fredericksburg, 7.0 mi. NW. of, 100 ft. SE. of Barrons Creek, 45 ft. SE. of milestone 7, on NE. side of rd., near fence; iron post stamped "1954 SA"	1, 947. 656
Fredericksburg, 10.0 mi. NW. of, 300 ft. N. of milestone 10, 4 ft. N. of 14-in. post-oak tree, on E. side of rd.; iron post stamped "2077 SA"	2, 070. 136
Fredericksburg, 13.0 mi. NW. of, 55 ft. N. of milestone 13, on E. side of rd., in mound of stone; iron post stamped "2077 SA"	2, 070. 813
Fredericksburg, 15.5 mi. NW. of, in NE. angle of crossroads; iron post stamped "1845 SA"	1, 838. 489
Fredericksburg, 17.75 mi. N. of, 200 ft. E. of house of W. C. Schneider, 10 ft. N. of rd., in blue limestone outcrop; aluminum tablet stamped "1857 SA"	1, 850. 935

From ranch of P. Seuch, 9 miles northwest of Fredericksburg, east along road to Grobe ranch, 6.5 miles northeast of Fredericksburg (by M. S. Bright in 1901)

Seuch ranch, 4.8 mi. E. of, 400 ft. NE. of house of Peter Metzger, 15 ft. S. of gate, near wire fence; iron post stamped "2122 SA"	2, 115. 479
Fredericksburg, 8.5 mi. N. of, 2.7 mi. E. of Metzger house, 100 ft. N. of dim rd. W., on W. side of Fredericksburg-Crab Apple rd.; iron post stamped "2096 SA"	2, 089. 641

From Fredericksburg west along road into Kerrville No. 1 quadrangle at point about 8 miles west of Fredericksburg (by Crawford Dickey in 1923; releveled by E. E. Harris in 1925)

Fredericksburg, 1.1 mi. W. of, in SE. angle of junction of T-rd. S., in front of large stone house, at summit of hill, in root of 24-in. oak tree; copper nail and washer	1, 709. 40
Fredericksburg, 2.4 mi. W. of, 150 ft. W. of rd. fork, on N. side of Fredericksburg-Harper rd., at summit of hill, on rock; chiseled square	1, 837. 74
Fredericksburg, 3.4 mi. W. of, on S. side of rd., in front of old stone house, 2 ft. N. of fence; iron post stamped "D 1 1923"	1, 809. 615
Reference mark, 84.75 ft. N.15°E. of tablet, on rock; chiseled square ..	1, 811. 32
Fredericksburg, 4.7 mi. W. of, on S. side of rd., in angle, about 0.25 mi. W. of Live Oak Creek, in root of 10-in. oak tree; copper nail and washer	1, 752. 91
Fredericksburg, 5.9 mi. W. of, on S. side of rd., about 1,000 ft. NW. of residence of M. Arlett, 175 ft. W. of junction of field rd. N., in root of 8-in. oak tree; copper nail and washer	1, 863. 52
Fredericksburg, 6.9 mi. W. of, about 1,000 ft. W. of schoolhouse, 75 ft. S. of Flat Rock Creek, 4 ft. N. of wire fence, on S. side of rd., in concrete post; standard tablet stamped "D 2 1923"	1, 815. 902
Reference mark, 46.35 ft. S.60°W. of tablet, in root of 36-in. oak tree; copper nail and washer	1, 814. 84

FREDERICKSBURG NO. 3 QUADRANGLE

[Latitude 30°00'–30°15'; longitude 98°45'–99°00']

GILLESPIE, KENDALL, AND KERR COUNTIES

From Fredericksburg No. 2 quadrangle south along Fredericksburg-Comfort road into Comfort quadrangle at point about 6 miles north of Comfort (by Thomas Winsor in 1898)

Fredericksburg, 4.3 mi. S. of Gillespie County courthouse at, on N. side of rd., on N. bank of Pedernales River, 4 ft. W. of fence post, at slight angle; iron post stamped "1609 SA"-----	Feet 1, 603. 418
Fredericksburg, 6.3 mi. S. of, on summit of hill, 15 ft. S. of twin scrub pin-oak tree, on W. side of rd., 3 ft. E. of fence line; iron post stamped "1779 SA"-----	1, 773. 457
Fredericksburg, 9.0 mi. S. of, 15.4 mi. N. of Comfort, 105 ft. S. of 9-mile post, on W. side of rd., 2 ft. NE. of corner fence post; iron post stamped "1865 SA"-----	1, 859. 275
Comfort, 11.3 mi. N. of, at right-angle bend in rd. from E. to S., 7 ft. E. of 22-in. dead post-oak tree used as corner fence post; iron post stamped "1976 SA"-----	1, 970. 127
Comfort, 9.5 mi. N. of, on W. side of rd., 7 ft. N. of gate; iron post stamped "2094 SA" (recovered in 1900)-----	2, 088. 310
Comfort, 6.5 mi. N. of, on W. side of rd., 15 ft. W. of gate to cultivated field, near stone wall; iron post stamped "1714 SA"-----	1, 708. 393

From Fredericksburg No. 4 quadrangle along roads west to point 6 miles southeast of Fredericksburg, thence southeast and back into Fredericksburg No. 4 quadrangle at point about 2 miles southeast of Luckenbach (by M. S. Bright in 1900)

Fredericksburg, 7.0 mi. SE. of, 5.5 mi. NW. of Luckenbach, 500 ft. N. of stone house of Henry Millening, on N. side of rd., at gate; iron post stamped "1577 SA" ⁷⁶ -----	1, 570. 295
Luckenbach, 600 ft. W. of post office, at junction of Comfort and Fredericksburg rds.; iron post stamped "1567 SA"-----	1, 560. 626

From Luckenbach along Luckenbach-Comfort road southwest to point 9.5 miles north of Comfort (by M. S. Bright in 1900)

Luckenbach, 5.0 mi. SW. of, 50 ft. W. of intersection of Fredericksburg-San Antonio and San Antonio-Luckenbach rds., 8 ft. S. of 20-in. live-oak tree; iron post stamped "1784 SA"-----	1, 777. 391
Luckenbach, 10.7 mi. SW. of, on W. side of rd., on N. side of lane to Giles ranch; iron post stamped "1611 SA"-----	1, 604. 125
U. S. C. & G. S. standard disk stamped "Y 81 1931" ⁷⁶ -----	1, 633. 192
Luckenbach, 14.5 mi. SW. of, 12.5 mi. NE. of Comfort, 800 ft. S. of ranch house of Alfred Giles, 12 ft. N. of big gate; iron post stamped "1703 SA"-----	1, 696. 381

From point 10.7 miles southwest of Luckenbach along road south into Comfort quadrangle at point about 4 miles north of Waring (by M. S. Bright in 1900)

Comfort, 7.5 mi. NE. of, 200 ft. E. of Block Creek, on E. side of rd., near stone fence corner; iron post stamped "1453 SA"-----	1, 446. 208
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⁷⁶ In 1935 this bench mark was reported destroyed.

⁷⁶ The tie between this mark and the bench mark stamped "1611 SA" was made in 1936.

348 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From ranch of Ernest Hobort, 11 miles south of Fredericksburg, west along settlement road to Center Point road, thence north into Fredericksburg No. 2 quadrangle (by M. S. Bright in 1901)

	<i>Feet</i>
Hobort ranch, 3.5 mi. W. of, at intersection of Center Point-Fredericksburg rd., on E. side of rd., at gate; iron post stamped "1810 SA"-----	1, 802. 960
Fredericksburg, 11.0 mi. by rd. SW. of, on N. slope of hill, on E. side of rd., in limestone outcrop; aluminum tablet stamped "1746 SA"__	1, 739. 619
Fredericksburg, 7.5 mi. by rd. SW. of, 600 ft. SW. of milestone 4, at junction of narrow lane W., on W. side of rd.; iron post stamped "1661 SA"-----	1, 654. 524

FREDERICKSBURG NO. 4 QUADRANGLE

[Latitude 30°00'–30°15'; longitude 98°30'–98°45']

BLANCO, GILLESPIE, AND KENDALL COUNTIES

From Fredericksburg No. 1 quadrangle at point south of Whitnen Gap generally south to Albert, thence west into Fredericksburg No. 3 quadrangle at point about 8.5 miles southeast of Fredericksburg (by M. S. Bright in 1900)

Whitnen Gap, 4.0 mi. S. of, at rd. intersection, 10 ft. S. of 20-in. live-oak tree; iron post stamped "1474 SA" ⁷⁷ -----	1, 467. 375
Albert, 0.3 mi. NW. of post office, 9.0 mi. by route S. of Whitnen Gap, on N. side of rd. fork; iron post stamped "1482 SA"-----	1, 475. 288
Albert, 3.0 mi. W. of, at junction of rd. N. through gate to Stonewall, 500 ft. SW. of house of Wm. Hitchfield; iron post stamped "1599 SA"-----	1, 592. 411
Albert, 6.0 mi. W. of, at milestone 13, on S. side of rd.; iron post stamped "1493 SA"-----	1, 486. 391
Albert, 9.0 mi. W. of, 10.0 mi. SE. of Fredericksburg, on N. side of Austin-Fredericksburg rd., at intersection of Grape Creek-Luckenbach rd., 200 ft. W. of milestone 10; iron post stamped "1516 SA"__	1, 509. 585
U. S. C. & G. S. standard disk stamped "D 203 1933" ⁷⁸ -----	1, 478. 852

From Fredericksburg No. 3 quadrangle at point about 2 miles southeast of Luckenbach along roads generally east to point 9 miles west of Blanco, thence north and northwest to Albert (by M. S. Bright in 1900)

Luckenbach, 3.6 mi. SE. of, on N. side of rd., at corner of wire fence; iron post stamped "1687 SA"-----	1, 680. 433
Luckenbach, 7.5 mi. SE. of, 15.75 mi. W. of Blanco, 1.0 mi. S. of Gillespie-Kendall county line, on N. side of rd., 20 ft. SW. of 5-in. sumac tree, in large rock; aluminum tablet stamped "1893 SA"__	1, 886. 217
Blanco, 12.0 mi. W. of, on S. side of rd., 175 ft. E. of milestone 12, near wire fence; iron post stamped "1657 SA"-----	1, 650. 327
Blanco, 9.0 mi. W. of, 8.0 mi. SE. of Albert, on N. side of rd., at ranch house of Peter Weber, in SE. corner of front yard; iron post stamped "1517 SA"-----	1, 510. 600
Albert, 4.2 mi. SE. of, at summit of E.-W. divide between Pedernales and Blanco Rivers, on W. side of rd., near 10-in. blackjack tree; iron post stamped "1839 SA"-----	1, 832. 680

From Boerne quadrangle at point about 2 miles north of Sisterdale north along road to point on Luckenbach-Blanco road 8.5 miles southeast of Luckenbach (by M. S. Bright in 1900)

Sisterdale, 5.0 mi. N. of, on W. side of rd., near wire fence; iron post stamped "1472 SA"-----	1, 465. 488
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⁷⁷ In 1936 this bench mark was reported destroyed.

⁷⁸ The tie between this mark and the bench mark stamped "1516 SA" was made in 1936.

Sisterdale, 9.0 mi. N. of, at summit of divide between Blanco River and Sisterdale Creek, 4 ft. W. of rd., 50 ft. N. of 6-in. live-oak tree; iron post stamped "1969 SA"----- *Feet*
1, 962. 450

From ranch of Peter Weber southeast along Albert-Kendalia road into Boerne quadrangle (by M. S. Bright in 1901)

Weber ranch, 3.0 mi. S. of, on NE. side of rd., 20 ft. N. of big gate, at angle in rd. to E.; iron post stamped "1621 SA"----- 1, 614. 581

Weber ranch, 6.25 mi. SE. of, on S. side of slope, near summit of divide, on E. side of rd., in limestone outcrop; standard tablet stamped "1879 SA"----- 1, 872. 370

GATESVILLE NO. 1 QUADRANGLE

[Latitude 31°15'-31°30'; longitude 97°30'-97°45']

BELL, CORYELL, AND McLENNAN COUNTIES

Along Seattle-Bland road northeast 0.2 mile, thence southeast 0.2 mile (by F. L. Shalibo in 1923)

[A jog from Killeen quadrangle]

Seattle, 2.2 mi. NE. of, 0.6 mi. NW. of County Line School, 25 ft. N. of rd., 8 ft. W. of rd. N., in root of cedar tree; copper nail----- 723. 85

GATESVILLE NO. 3 QUADRANGLE

[Latitude 31°00'-31°15'; longitude 97°45'-98°00']

BELL, BURNET, CORYELL, AND LAMPASAS COUNTIES

From Killeen quadrangle along roads southwest to Eliga, thence south and southeast along Jackson Gap road and back into Killeen quadrangle (by F. L. Shalibo in 1923)

Eliga, 0.9 mi. NE. of, in center of triangle at rd. fork, in root on E. side of large oak tree; copper nail----- 727. 31

Eliga, 500 ft. S. of store, on E. side of rd., 60 ft. S. of T-rd. E., opposite cotton gin, in fence line, on S. concrete block of old engine base; standard tablet stamped "Prim Trav Sta No 20 C 1923 S 20"----- 712. 066

Reference mark, 4 ft. N. of tablet, in SE. corner of concrete block; bolt----- 712. 18

Eliga, 1.6 mi. S. of, on S. side of small dry creek, on W. side of rd., in fence line, in root on S. side of large hackberry tree; copper nail----- 806. 40

Eliga, 2.1 mi. S. of, near old farm buildings, at reverse curve in rd., 40 ft. N. of gate, in fence line, in root of mesquite tree; copper nail----- 872. 63

Eliga, 3.7 mi. SE. of, 3.8 mi. along Jackson Gap rd. NW. of Killeen, 1.2 mi. W. of Bell-Coryell county-line post, in SW. corner of pasture of T. M. Dwyer, on N. slope of hill, 800 ft. E. of old chimney of burnt house, 150 ft. NE. of wire gate, on second-class rd., in lime flint rock; standard tablet stamped "Prim Trav Sta No 21 C 1923 S 21"----- 919. 378

Reference mark, 2 ft. E. of tablet, on small boulder; chiseled square-- 918. 48

GEORGETOWN NO. 1 QUADRANGLE

[Latitude 30°45'–31°00'; longitude 97°30'–97°45']

BELL AND WILLIAMSON COUNTIES

From point near Union Grove School along roads alternately southeast and northeast 3.7 miles (by F. L. Shalibo in 1923)

[A jog from Killeen quadrangle]

Union Grove School, 0.9 mi. SE. of, 90 ft. NW. of rd. junction, in front of vacant house, at S. end of gate, in root of large tree; copper nail.....	Feet 713. 50
Union Grove School, 0.9 mi. SE., thence 1.6 mi. NE., thence 1.0 mi. SE. from, 40 ft. N. of junction of second-class T-rd. NE., 40 ft. W. of rd., in large flat rock; standard tablet stamped "S 5 Texas 1923".....	755. 854
Reference mark, 40 ft. N. of tablet, 1 ft. N. of fence line, on large rock; chiseled square.....	755. 34

From point 1.2 miles south of Barker Crossing of Lampasas River along roads southeast and northeast about 1.5 miles (by F. L. Shalibo in 1923)

[A jog from Killeen quadrangle]

Barker Crossing, 1.8 mi. S. of, about 2.5 mi. W. of Amity School, about 0.25 mi. N. of main rd., 50 ft. W. of residence of W. S. Fewell, in root of large elm tree; copper nail.....	690. 75
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GEORGETOWN NO. 3 QUADRANGLE

[Latitude 30°30'–30°45'; longitude 97°45'–98°00']

BURNET, TRAVIS, AND WILLIAMSON COUNTIES

From Austin No. 1 quadrangle ⁷⁹ northwest along Austin & Northwestern Railroad ⁸⁰ into Bertram quadrangle (by Thomas Winsor in 1898)

Cedar Park, 0.6 mi. E. of, on W. side of intersection of Round Rock-Buttercup rd., 26 ft. N. of track; iron post stamped "893 SA" (recovered in 1924; also recovered by U. S. C. & G. S. in 1933)....	885. 710
Cedar Park, 1.2 mi. NW. of, at White Stone siding, 4.3 mi. SW. of Leander, on NW. side of public rd., 46 ft. SW. of track, at right-of-way fence corner; iron post stamped "968 SA" (recovered in 1924; also recovered by U. S. C. & G. S. in 1933).....	960. 779
Leander, 1.6 mi. SE. of, on SE. side of public rd., 45 ft. SW. of track; iron post stamped "993 SA" (recovered by U. S. C. & G. S. in 1933).....	985. 690
Leander, 650 ft. S. of sta., on S. side of public rd., 46 ft. W. of track; iron post stamped "983 SA" (recovered by U. S. C. & G. S. in 1933)....	975. 884
Leander, 4.8 mi. NW. of, 2.9 SE. of Liberty Hill, on N. side of settlement rd., 27 ft. E. of track; iron post stamped "968 SA" (recovered by U. S. C. & G. S. in 1933).....	960. 746
Liberty Hill, 80 ft. NW. of NW. corner of sta., 50 ft. NE. of main track, on NW. side of Liberty Hill-Round Rock public rd.; iron post stamped "1040 SA" (recovered by U. S. C. & G. S. in 1933).....	1, 033. 039
Liberty Hill, 2.2 mi. NW. of, on S. side of settlement rd., 28 ft. E. of track; iron post stamped "1098 SA" (recovered by U. S. C. & G. S. in 1933).....	1, 090. 985

⁷⁹ No permanent bench marks were set along that portion of the line which crosses the northeast corner of Mount Bonnell quadrangle.⁸⁰ Now part of the Texas & New Orleans Division of the Southern Pacific Co.

From Round Rock quadrangle at point 5.3 miles west of Round Rock west along Round Rock-Cedar Park road to Houston & Texas Central Railroad,⁸¹ thence west and northwest along railroad to point 1.2 miles northwest of Cedar Park (by T. A. Green in 1924)

Round Rock, 6.6 mi. NW. of, 1.5 mi. W. of rd. junction at Brushy Creek crossing, 350 ft. W. of private rd. N., 20 ft. N. of center line of rd., 120 ft. E. of deserted house, in flat sandstone rock; standard tablet stamped "G 6 1924"-----	Feet 824. 906
Reference mark, 187 ft. W. of tablet, 60 ft. SW. of deserted house, on N. side of rd., in hub on base of leaning live-oak tree; copper nail and washer-----	828. 63
Round Rock, 7.7 mi. W. of, 2.1 mi. E. of Cedar Park, at point where county rd. runs parallel with H. & T. C. R. R., 300 ft. S. of county rd., 550 ft. E. of milepost 24, 56 ft. N. of center line of track, 5 ft. N. of right-of-way fence, in hub on base of triple-trunked elm tree; copper nail and washer-----	838. 43
Cedar Park, 1.0 mi. E. of, 20 ft. S. of track, 10 ft. E. of milepost 25, on flat limestone rock; chiseled square-----	874. 70
Cedar Park, in front of sta.; top of N. rail-----	911. 8
Cedar Park, 0.2 mi. W. of, 80 ft. NW. of water tank, 60 ft. N. of track, in hub on root of large live-oak tree; copper nail and washer-----	916. 85

From Round Rock quadrangle at point 5.5 miles northwest of Round Rock along roads northwest and north to Round Rock-Leander road, thence northwest to point 7.7 miles northwest of Round Rock, thence northeast and north to Leander-Georgetown road, thence northeast and back into Round Rock quadrangle (by T. A. Green in 1924)

Round Rock, 6.1 mi. NW. of, 1.0 mi. NW. of junction of rd. at fork of Brushy Creek, on NE. side of road, in hub on base of 20-in. elm tree; copper nail and washer-----	768. 95
Round Rock, 7.6 mi. by route NW. of, 38 ft. N. of center line of rd., near summit of grade, 20 ft. N. of fence, in flat limestone rock, flush with ground; standard tablet stamped "G 7 1924"-----	867. 299
Reference mark, 700 ft. NW. of junction of private rd. S. through gate, on S. side of rd., in hub on base of live-oak tree; copper nail and washer-----	870. 35
Round Rock, 8.1 mi. by route (about 5 mi. by direct rd.) NW. of, at junction of NW.-SE. rd., 70 ft. NE. of intersection, on E. side of rd., in hub on base of live-oak tree; copper nail and washer-----	860. 62
Round Rock, 6.0 mi. along Round Rock-Leander rd. NW. of, 410 ft. N. of milestone marked "Round Rock 6 mi.," on W. side of rd., at fence line, in hub on base of 12-in. elm tree; copper nail and washer-----	895. 62
Round Rock, 6.4 mi. along Round Rock-Leander rd. NW. of, on W. side of rd., 5 ft. S. of gate to barn, on flat limestone rock; chiseled square-----	918. 63
Round Rock, 6.9 mi. along Round Rock-Leander rd. NW. of, 50 ft. E. of rd., 80 ft. NE. of junction of T-rd. W., in hub on base of live-oak tree; copper nail and washer-----	868. 19
Round Rock, 7.7 mi. along Round Rock-Leander rd. NW. of, 8.8 mi. SW. of Georgetown, 50 ft. E. of junction of rd. turning NE. to Georgetown-Leander rd., 18 ft. N. of center line of E.-W. rd., about 500 ft. E. of house owned and occupied by M. W. Davis, 25 ft. SE. of twin live-oak tree, 50 ft. SE. of fence corner, in limestone outcrop; standard tablet stamped "G 8 1924"-----	881. 637

⁸¹ Formerly the Austin & Northwestern R. R.; now part of the Texas & New Orleans Division of the Southern Pacific Co.

352 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Reference mark, 111 ft. SW. of tablet, on easternmost of two cedar trees standing in row; copper nail and washer.....	Feet 883. 33
Georgetown, 7.8 mi. SW. of, 1.0 mi. NE. of junction of rd. at house of M. W. Davis, at point where rd. jogs sharply to N., 110 ft. N. of fence corner, 25 ft. E. of rd., in cluster of live-oak trees, on flat limestone rock; chiseled square.....	969. 15
Georgetown, 6.5 mi. SW. of, 25 ft. SE. of junction of Georgetown-Leander rd., at corner fence post, on highest point of irregular-shaped limestone rock; chiseled square.....	971. 52

Along roads southwest and southeast (by H. P. Jones in 1924)

[A jog from Round Rock quadrangle]

Georgetown, 7.4 mi. NW., thence 1.0 mi. NE. from Williamson County courthouse at, at junction of T-lane E., on Lampasas rd., in field owned by J. W. Keener, in fence corner; iron post stamped "HPJ 9 1924".....	941. 552
Reference mark, 60 ft. W. of junction of lane, in root on E. side of 5-in. oak tree; copper nail and washer.....	940. 66
Georgetown, 7.4 mi. NW. of, 1.6 mi. NW. of crossing of San Gabriel River, in root on S. side of 8-in. oak tree; copper nail and washer..	922. 77
Georgetown, 6.5 mi. NW. of, 0.7 mi. NW. of crossing of San Gabriel River, 25 ft. NW. of house, in root on S. side of 14-in. live-oak tree; copper nail and washer.....	792. 59

From Round Rock quadrangle west along Liberty Hill road 0.3 mile (by H. P. Jones in 1924; spur line leveled twice)

Georgetown, 5.1 mi. W. of, 37 ft. N. of center line of rd., 3.5 ft. S. of fence, in flat limestone rock, flush with ground; standard tablet stamped "HPJ 13 1924".....	891. 451
Reference mark, on S. side of rd., in root of twin live-oak tree; copper nail and washer.....	892. 35

GODLEY QUADRANGLE

[Latitude 32°15'–32°30'; longitude 97°30'–97°45']

HOOD, JOHNSON, AND SOMERVELL COUNTIES

From Morgan quadrangle at point about 4 miles northwest of Freeland and Brazos Valley School along roads north to point on Glenrose-Cleburne road 2.3 miles northeast of Nemo (by W. A. Shumate in 1923)

Freeland and Brazos Valley School, 4.6 mi. NW. of, 2.3 mi. NE., thence 1.3 mi. S. from Nemo, 40 ft. N. of E.-W. rd., 100 ft. S. of old house, in root on S. side of double elm tree; copper nail and washer.....	806. 60
Nemo, 2.3 mi. NE. of, 1.8 mi. SE. of Georges Creek post office, on S. side of Glenrose-Cleburne rd., in line with rd. NW. to Georges Creek, 10 ft. W. of gap in fence, in concrete post; standard tablet stamped "Prim Trav Sta No 1 F 1923 S 22".....	828. 515
Reference mark, 35 ft. N. of tablet, on S. side of rd., in line with rd. N., on E. side of rd. S., on solid rock; chiseled square.....	825. 90

From Tolar quadrangle along Fort Worth & Rio Grande Railway northeast 1.6 miles, thence along road northwest and north 3 miles into Weatherford No. 4 quadrangle (by H. F. Kilby in 1923)

Granbury, 4.1 mi. NE. of, at rd. crossing, near junction of Fort Worth rd. and rd. up Rucker Creek, 40 ft. E. of track, 30 ft. N. of rd., in fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 10 Y 1923 Texas K 1" (recovered by U. S. C. & G. S. in 1933).....	757. 676
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	<i>Feet</i>
Granbury, 5.0 mi. NE. of, in NW. angle of junction of rd. SW. to Brazos River, on flat rock; chiseled square.....	801. 02
Granbury, 6.0 mi. NE. of, 400 ft. S. of crossroads, on W. side of rd., on flat rock; chiseled square.....	835. 11
Granbury, 6.9 mi. NE. of, 3.5 mi. SW. of Rocky Point School, at junction of T-rd. NE., 15 ft. E. of rd., in fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 9 Y 1923 Texas K 2".....	861. 339
Reference mark, 40 ft. SE. of tablet, on rock culvert; chiseled square.....	860. 05
From Weatherford No. 4 quadrangle southwest along Granbury-Fort Worth road 3 miles, thence along roads southeast and southwest by way of Harmony School to point in Cordova Bend 5.7 miles east of Mambrino, thence generally west into Tolar quadrangle at point 0.3 mile northwest of Mambrino (by H. P. Kilby in 1923; leveled twice)	
Granbury, 8.6 mi. along Granbury-Fort Worth rd. NE. of, 4.4 mi. NW. of Harmony School, in NE. angle of junction of second-class rd. SE., in concrete post; standard tablet stamped "Prim Trav Sta No 14 Y 1923 K 4".....	955. 491
Harmony School, 2.3 mi. NW. of, at fence corner and gate, in concrete post; standard tablet stamped "Prim Trav Sta No 15 Y 1923 K 5".....	884. 066
Reference mark, 15 ft. S. of tablet, on rock; chiseled square.....	883. 64
Harmony School, 1.4 mi. NW. of, at junction of rd. SW. to Acton, 100 ft. W. of ford across Falls Creek, on S. side of rd., on rock; chiseled square.....	791. 50
Harmony School, 0.5 mi. N. of, at rd. fork, near ranch house and red barn, about 100 ft. W. of house, on E. side of rd., on flat rock; chiseled square.....	818. 72
Harmony School, 0.4 mi. S. of, 4.4 mi. E. of Acton, at rd. fork, about 1,500 ft. S. of Green ranch house, 30 ft. W. of rd., at fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 16 Y 1923 K 6".....	812. 678
Reference mark, 10 ft. S.60°E. of tablet, on rock; chiseled square.....	812. 57
Harmony School, 1.1 mi. SW. of, at crossroads, 1,500 ft. W. of Falls Creek, at summit of hill, on S. side of rd., at gate, on rock; chiseled square.....	811. 10
Harmony School, 2.2 mi. SW. of, 1.1 mi. NE. of ranch house of Charlie Huston, at junction of rd. N., opposite Hopkins mail box, on rock; chiseled square.....	811. 63
Huston ranch house, about 1,000 ft. S. of, 20 ft. W. of gate in fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 17 Y 1923 K 7".....	821. 464
Reference mark, 30 ft. N. of tablet, on rock; chiseled square.....	822. 15
Huston ranch house, 2.3 mi. SE. of, 5.7 mi. E., thence 2.9 mi. NE. from Mambrino, 0.7 mi. SE. of Falls Creek, on summit of hill, at yellow ranch house, on base of iron gatepost; chiseled cross.....	797. 66
Mambrino, 5.7 mi. E., thence 1.9 mi. NE. from, at Zachary place, 600 ft. N. of Brazos River, about 1 mi. SE. of Falls Creek, about 0.25 mi. E. of old mill site, 15 ft. E. of rd., at gate, in concrete post; standard tablet stamped "Prim Trav Sta No 18 Y 1923 K 8".....	717. 106
Mambrino, 5.7 mi. E., thence 0.9 mi. NE. from, in Cordova Bend, at Watson place, opposite barn, at base of stone well curb, on rock; chiseled square.....	669. 90
Mambrino, 4.0 mi. E. of, in wye of junction of rd. SE. to Hudgins Crossing, on flat rock; chiseled square.....	743. 05

354 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Mambrino, 2.8 mi. E. of, in Cordova Bend, at Carmichael place, near proposed dam site, about 300 ft. SW. of Brazos River, in wye of rd. junction, at gate, in concrete post; standard tablet stamped "Prim Trav Sta No 19 Y 1923 K 9" ⁸³ -----	Feet 736.797
Reference mark, 40 ft. E. of tablet, on shelf of ledge; chiseled square--	734.78
Mambrino, 150 ft. W. of store of O. C. Cashion, 10 ft. N. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 20 Y 1923 K 10" ⁸³ -----	818.641
From point 1.1 miles southwest of Harmony School across country and along roads east, south, and southwest 4.4 miles to point 1.7 miles south of Huston ranch (by H. P. Kilby in 1923)	
Harmony School, 2.5 mi. S. of, about 1 mi. E. of Falls Creek, at junction of Cleburne rd., at fence corner, on rock; chiseled square--	791.21
From point in Cordova Bend 5.7 miles east of Mambrino along roads southwest 0.8 mile, thence east and south to Glenrose-Cleburne road, thence southwest to Granbury-Glenrose road, thence along roads generally north to Mambrino (by H. P. Kilby in 1923)	
Mambrino, 5.7 mi. E., thence 0.8 mi. S. from, 1.4 mi. W. of Cordova Bend School, in Cordova Bend, at crossroads, 10 ft. S. of rd., in root of 12-in. blackjack tree; copper nail-----	718.52
Cordova Bend School, 0.4 mi. W. of, 0.8 mi. NW. of Hudgins Crossing of Brazos River, in Cordova Bend, at rd. fork, in bed of dry creek, on top of ledge; chiseled square-----	663.22
Cordova Bend School, at SE. corner of, 0.4 mi. NW. of Hudgins Crossing of Brazos River, 5.4 mi. N. of post office at Georges Creek, in concrete post; standard tablet stamped "Prim Trav Sta No 30 Y 1923 Texas K 11" ⁸⁴ -----	674.560
Georges Creek, 2.5 mi. N. of, about 1 mi. S. of Barnard Knob, at Allison ranch, 50 ft. W. of gate, on rock; chiseled square-----	822.55
Georges Creek, 1.1 mi. N. of, 2.5 mi. S. of Barnard Knob, about 1.5 mi. W. of Berry Knob, at rd. fork, at Allison ranch pasture, on ridge, in concrete post; standard tablet stamped "Prim Trav Sta No 29 Y 1923 Texas K 15" ⁸⁵ -----	790.614
Georges Creek, at SE. corner of post office, on top of cornerstone; chiseled square-----	780.67
Georges Creek, 1.8 mi. SE., thence 0.9 mi. along Glenrose-Cleburne rd. SW. from, 1.4 mi. NE. of Nemo, on W. end of concrete culvert under rd.; chiseled square-----	751.38
Nemo, 93.5 ft. W. of SW. corner of store of A. L. Armstrong, about 8 miles along Glenrose-Cleburne rd. NE. of Glenrose, on N. side of rd., near fence, in concrete post; standard tablet stamped "Prim Trav Sta No 31 Y 1923 Texas K 16" ⁸⁵ -----	801.536
Nemo, 0.9 mi. SW. of, on S. end of concrete culvert under rd.; chiseled square-----	701.40
Nemo, 2.1 mi. SW. of, on N. end of concrete culvert under rd.; chiseled square-----	662.60

⁸³ In 1936 this bench mark was reported destroyed.

⁸⁴ In 1937 this bench mark was reported destroyed.

⁸⁵ In 1940 this bench mark was reported destroyed.

Nemo, 2.7 mi. W. of, 5.3 mi. along Glenrose-Cleburne rd. NE. of Glenrose, 0.7 mi. SE. of bridge over Brazos River, near residence of S. P. Faulkner, 30 ft. N. of center line of rd., 5 ft. S. of fence corner, on E. side of driveway, in concrete post; standard tablet stamped "Prim Trav Sta No 32 Y 1923 Texas K 17"-----	Feet 654. 131
Nemo, 3.8 mi. W. of, 0.6 mi. SE., thence 0.2 mi. SW. from Rainbow, on S. end of concrete culvert under rd.; chiseled square-----	628. 94
[Line jogs into Morgan quadrangle]	
Glenrose, about 3.2 mi. NE. of, at junction of rd. NE., 400 ft. S. of Squaw Creek, on S. end of masonry culvert under rd.; chiseled square-----	621. 14
Glenrose, about 5 mi. NE. of, 7.5 mi. SE. of Mambrino, 2.0 mi. in air line N. of Brazos River bridge on Glenrose-Cleburne rd., 31 ft. SE. of junction of rd. to Long Valley, at Brazell place, 5 ft. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 34 Y 1923 Texas K 14"-----	682. 112
Mambrino, 6.8 mi. SE. of, at rd. fork, on W. side of rd., on top of ledge; chiseled square-----	750. 36
Mambrino, 5.6 mi. S. of, at sharp angle in rd., 10 ft. N. of rd., in fence corner, on flat rock; chiseled square-----	773. 52
Mambrino, 4.7 mi. S. of, 0.8 mi. S. of Nubbin Ridge Church, near Hood-Summerville county line, 250 ft. SW. of residence of C. A. Wirth, 5 ft. S. of gatepost, in concrete post; standard tablet stamped "Prim Trav Sta No 35 Y 1923 Texas K 13"-----	810. 270
Mambrino, 3.8 mi. S. of, at junction of rd. to White School, 125 ft. E. of gate to house, on W. side of rd., in fence line, on rock; chiseled square-----	804. 66
Mambrino, 2.6 mi. S. of, at junction of rd. NW., on SE. side of rd., 77 ft. E. of second-class rd. SE., in line with rd. NW., 16 ft. S. of 18-in. oak tree, 1.5 ft. from fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 36 Y 1923 K 12"-----	813. 917

GOLDTHWAITE QUADRANGLE

[Latitude 31°15'-31°30'; longitude 98°30'-98°45']

LAMPASAS, MILLS, AND SAN SABA COUNTIES

From Richland Springs quadrangle southeast along Brownwood road across southwest corner of quadrangle into Bend quadrangle (by Basil Tuttle in 1920; leveled twice, releveled by E. E. Harris in 1925)

San Saba, 4.5 mi. N. of, 0.8 mi. W. of Live Oak School, 30 ft. SE. of junction of rd. E., 3 ft. NE. of corner fence post; iron post stamped "1264"-----	1, 265. 040
From Bend quadrangle along road northwest 0.5 mile to San Saba-Goldthwaite road, thence southwest 0.3 mile and back into Bend quadrangle (by Basil Tuttle in 1920)	
San Saba, 4.5 mi. NE. of, in N. corner of junction of Goldthwaite rd., 4 ft. W. of fence corner; iron post stamped "Prim Trav Sta No 46 J 1924 Texas 1264" (recovered in 1925)-----	1, 264. 434
From Mullin quadrangle at point 4.8 miles southeast of Mullin along roads southeast and south to point 4 miles west of Goldthwaite, thence west and southwest into Richland Springs quadrangle at point 3.4 miles northeast of Ratler (by E. E. Harris in 1924)	
Mullin, 5.5 mi. SE. of, in SW. corner of crossroads, on N. side of 24-in. live-oak tree; copper nail and washer-----	1, 402. 27

356 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	Feet
Mullin, 6.5 mi. SE. of, in SW. corner of crossroads, in root on N. side of small live-oak tree; copper nail and washer.....	1, 380. 30
Mullin, 8.1 mi. SE. of, 4.0 mi. W. of Goldthwaite, 4.0 mi. E. of Pecan Bayou, 0.9 mi. E. of Rock Spring School, at junction of Regency rd., on S. side of rd., in line with T-rd. N., 2 ft. N. of fence line, in sandstone post; standard tablet stamped "Prim Trav Sta No 24 J 1924 H 171".....	1, 414. 838
Reference mark, 219 ft. N.50°W. of tablet, in root on N. side of 20-in. live-oak tree; copper nail and washer.....	1, 414. 09
Rock Spring School, 0.6 mi. E. of, on N. side of rd., in line with lane S., 20 ft. N. of fence line, in root on E. side of 15-in. live-oak tree; copper nail and washer.....	1, 433. 70
Rock Spring School, 0.2 mi. W. of, 5.0 mi. NE. of Big Valley School, in Y-rd. fork, in root on N. side of small mesquite tree; copper nail and washer.....	1, 391. 27
Rock Spring School, 1.2 mi. W. of, on Regency rd., in NE. corner of junction of dim rd. NW., in root on N. side of small live-oak tree; copper nail and washer.....	1, 396. 02
Rock Spring School, 2.0 mi. W. of, 1.1 mi. E. of Regency rd. bridge over Pecan Bayou, in SE. corner of junction of rd. SE., at summit of grade, in root on W. side of prominent live-oak tree; copper nail and washer.....	1, 387. 56
Pecan Bayou, 100 ft. E. of E. end of Regency rd. bridge over, on S. side of rd.; iron post stamped "H 172 1924".....	1, 211. 359
Reference mark, 129.4 ft. N.40°E. of iron post, in root on E. side of 30-in. pecan tree; copper nail and washer.....	1, 210. 66
Pecan Bayou bridge, 0.8 mi. W. of, on N. side of rd., at summit of grade, 60 ft. E. of junction of rd. S., in root on W. side of 8-in. post-oak tree; copper nail and washer.....	1, 296. 55
Pecan Bayou bridge, 1.8 mi. W. of, 6.9 mi. NE. of Ratler, on N. side of Regency rd., at junction of rd. SW. to Ratler, in root on S. side of 15-in. Spanish-oak tree; copper nail and washer.....	1, 246. 77
Ratler, 5.6 mi. NE. of, on E. side of rd., 6 ft. E. of fence line, on N. bank of King Creek, in top of large sandstone ledge; standard tablet stamped "Prim Trav Sta No 27 J 1924 H 173".....	1, 258. 105
Reference mark, 64.5 ft. S.80°W. of tablet, on top of rock ledge; chiseled square.....	1, 257. 00
Ratler, 4.4 mi. NE. of, on E. side of angle in rd., near summit of grade, in root on E. side of 12-in. mesquite tree; copper nail and washer....	1, 267. 15
Ratler, 3.5 mi. NE. of, on S. side of rd., 100 ft. E. of creek crossing, in root on S. side of 36-in. pecan tree; copper nail and washer.....	1, 213. 32
From point 0.2 mile west of Rock Spring School along road southwest to Mauldin Crossing of Colorado River, thence northwest into Richland Springs quadrangle (by E. E. Harris in 1924-25; releveled from Big Valley School to point 1.8 miles northwest of Mauldin Crossing by H. P. Kilby in 1925)	
Rock Spring School, 1.2 mi. SW. of, 4.0 mi. NE. of Big Valley School, on E. side of rd., in angle, 100 ft. N. of rd. junction, in root on E. side of 15-in. live-oak tree; copper nail and washer.....	1, 391. 80
Big Valley School, 3.0 mi. NE. of, on E. side of rd., near summit of grade, at SW. corner of old cattle pens, in root on N. side of 15-in. live-oak tree; copper nail and washer.....	1, 404. 35
Big Valley School, 2.5 mi. NE. of, in NW. corner of crossroads, in root on N. side of 8-in. live-oak tree; copper nail and washer.....	1, 381. 78

	<i>Feet</i>
Big Valley School, 1.5 mi. NE. of, 800 ft. N. of small bridge, on E. side of angle in rd., outside fence line, in top of sandstone ledge; standard tablet stamped "Prim Trav Sta No 25 J 1924 H 179"-----	1, 325. 364
Reference mark, 95.3 ft. S.30°W. of tablet, on rock outcrop; chiseled square-----	1, 322. 91
Big Valley School, 0.6 mi. NE. of, on E. side of rd., between two drains, at angle in fence line, in root on W. side of 10-in. post-oak tree; copper nail and washer-----	1, 254. 34
Big Valley School, 1,000 ft. W. of, on W. side of rd., 80 ft. N. of E.-W. rd., in root on S. side of small mesquite tree; copper nail and washer-----	1, 234. 95
Big Valley School, 1.0 mi. SW. of, 0.6 mi. E., thence 0.9 mi. NE. from Mauldin Crossing of Colorado River, on W. side of rd., opposite dwelling, in root on W. side of 15-in. mesquite tree; copper nail and washer-----	1, 216. 89
Mauldin Crossing, 0.6 mi. E. of, in SW. corner of crossroads; iron post stamped "H 180 1924"-----	1, 214. 007
Reference mark, 104.8 ft. N.70°E. of iron post, in root on N. side of 15-in. blackjack tree; copper nail and washer-----	1, 216. 40
Mauldin Crossing, 100 ft. NW. of, on W. side of rd., in root on E. side of 6-in. willow tree; copper nail and washer-----	1, 170. 98
Mauldin Crossing, on W. side of rd., 15 ft. above water level, in root of 20-in. willow tree; copper nail-----	1, 168. 86
Colorado River, at Mauldin Crossing; surface of water Dec. 7, 1924--	1, 157. 6
Mauldin Crossing, 1.0 mi. NW. of, on N. side of rd., 15 ft. W. of gate in fence line crossing rd., in root on E. side of 6-in. elm tree; copper nail and washer-----	1, 244. 76
Mauldin Crossing, 1.8 mi. NW. of, 0.75 mi. SE. of Catsclaw School, on W. side of rd., 70 ft. SW. of rd. junction, 25 ft. S. of gate in fence line crossing rd., in top of rock ledge; standard tablet stamped "Prim Trav Sta No 42 J 1924 H 181"-----	1, 335. 522
Catsclaw School, 0.25 mi. SW. of, 20 ft. NW. of gate in fence line crossing rd., at angle in rd., 80 ft. N. of junction of dim rd. W., in crotch of small mesquite tree; copper nail and washer-----	1, 299. 45
Catsclaw School, about 1 mi. W. of, on W. side of angle in rd., in root on E. side of forked mesquite tree; copper nail and washer-----	1, 333. 83
From Richland Springs quadrangle at point 2.4 miles northeast of Fairview School northeast along Brownwood road to point 0.75 mile southeast of Catsclaw School (by H. P. Kilby in 1925; releveled by E. E. Harris in same year)	
Fairview School, 2.5 mi. NE. of, 4.8 mi. SW. of Catsclaw School, about 10.5 mi. N. of San Saba, 800 ft. S. of water hole in rd. fork, in rock; standard tablet stamped "Prim Trav Sta No 43 J 1924 K 15"-----	1, 484. 234
Reference mark, 50 ft. W. of tablet, in base of 8-in. oak tree; rail spike-----	1, 484. 75
Catsclaw School, 3.7 mi. SW. of, at junction of rd. W., on E. side of rd., in base of 12-in. oak tree; copper nail and washer-----	1, 442. 54
Catsclaw School, 2.8 mi. S. of, on W. side of rd., 60 ft. S. of gate, on rock; chiseled square-----	1, 435. 47
Catsclaw School, 1.7 mi. S. of, at junction of rd. E., on W. side of rd., 70 ft. S. of gate, in base of 10-in. oak tree; copper nail and washer--	1, 379. 21

358 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From Big Valley School along roads east to Big Valley store, thence south to point 4.5 miles northeast of San Saba (by H. P. Kilby in 1925; releveled by E. E. Harris in same year)

Big Valley store, 1.5 mi. E. of Big Valley School, about 7 mi. SW. of Goldthwaite, on W. side of San Saba rd., at rd. junction, in sandstone post; standard tablet stamped "Prim Trav Sta No 28 J 1924 K 16"-----	Feet 1, 233. 797
Big Valley store, 0.4 mi. S. of, about 500 ft. S. of Big Valley Church, opposite cemetery, at junction of rd. E., in base of twin mesquite tree; copper nail and washer-----	1, 242. 94
Big Valley store, 2.1 mi. S. of, 12.3 mi. NE. of San Saba, at summit of hill, 40 ft. E. of rd., at SW. corner of deserted house, in sandstone rock, flush with ground; standard tablet stamped "K 17 1925"-----	1, 224. 589
Reference mark, 30 ft. N. of tablet, in root of 20-in. oak tree; copper nail-----	1, 222. 76
San Saba, 11.4 mi. NE. of, at steel girder bridge over Colorado River, on SE. concrete block of support for guy wire; chiseled square----	1, 195. 53
San Saba, 9.3 mi. NE. of, on E. side of rd., opposite white ranch house, on S. end of drain pipe under rd. to barn; chiseled cross-----	1, 193. 71
San Saba, 8.2 mi. NE. of, 600 ft. S. of T-rd. W., 350 ft. N. of two-story white house, 50 ft. W. of rd., on fence line, in concrete base of old cattle dip; standard tablet stamped "K 16 1925"-----	1, 187. 876
Reference mark, 10 ft. N.60°E. of tablet, in concrete; top of bolt----	1, 187. 60
San Saba, 7.5 mi. NE. of, 70 ft. S. of T-rd. E., 40 ft. E. of rd., 50 ft. SE. of mail box of W. Hubbert, in fence line, in base of 10-in. oak tree; copper nail and washer-----	1, 197. 49
San Saba, 6.5 mi. NE. of, at junction of second-class rd. E., opposite ranch house of Mack Brown, 30 ft. E. of Goldthwaite rd., 400 ft. S. of milepost 7, at N. corner of gate, in base of 10-in. mesquite tree; copper nail and washer-----	1, 231. 93
San Saba, 5.5 mi. NE. of, 100 ft. S. of junction of rd. W., opposite white bungalow, 30 ft. W. of rd., in fence line, on rock; chiseled square---	1, 274. 02

From Bend quadrangle at point about 6 miles northeast of San Saba along Pleasant School road northeast and southeast and back into Bend quadrangle (by H. P. Kilby in 1925)

San Saba, 6.1 mi. NE. of, in NW. corner of bend in rd. from NE. to E., 150 ft. NE. of junction of rd. SE., in sandstone post; standard tablet stamped "Prim Trav Sta No 47 J 1924 K 19"-----	1, 187. 126
San Saba, 7.1 mi. NE. of, on NW. side of rd., in fence line, in base of 24-in. oak tree; copper nail and washer-----	1, 232. 89
San Saba, 8.2 mi. NE. of, 4.4 mi. NW. of Harmony Ridge School, at junction of rd. W., on S. side of rd., 20 ft. W. of gate, in fence line, in base of 10-in. oak tree; copper nail and washer-----	1, 186. 78

From Bend quadrangle at point 0.5 mile north of Harmony Ridge School along roads generally north and west to Big Valley Church (by H. P. Kilby in 1925)

Harmony Ridge School, 0.9 mi. N. of, 0.7 mi. SE. of Rocky Ford across Colorado River, 40 ft. N. of gate, in fence line, on large rock; chiseled square-----	1, 198. 91
Rocky Ford across Colorado River, 120 ft. E. of, 75 ft. W. of rd., in root of 8-in. elm tree; copper nail-----	1, 129. 84
Colorado River, at Rocky Ford; surface of water March 11, 1925.	1, 109. 9

	<i>Feet</i>
Rocky Ford, 1.0 mi. NW. of, 1.7 mi. SW. of Rye Valley School, at rd. fork, 20 ft. E. of E. fork, opposite wye, on sandstone rock; chiseled square.....	1, 269. 90
Rye Valley School, about 600 ft. SW. of, 0.4 mi. E. of Shaw Bend Crossing of Colorado River, on large sandstone rock used as brace for corner fence post; chiseled square.....	1, 180. 50
Shaw Bend Crossing of Colorado River, on S. side of, 30 ft. S. of rd., on E. side of drain, in base of 14-in. elm tree; copper nail and washer..	1, 140. 35
Colorado River, at Shaw Bend; surface of water March 12, 1925....	1, 120. 9
Shaw Bend Crossing, 1.6 mi. NW. of, about 12 mi. NE. of San Saba, 1.2 mi. NW. of Shaw Bend School, 0.9 mi. S. of ranch of J. W. Burdett, 60 ft. SE. of rd. junction, in sandstone post; standard tablet stamped "Prim Trav Sta No 71 T 1924 K 21".....	1, 243. 275
Burdett ranch, on Colorado River, 30 ft. S. of barn, in root of twin mesquite tree; copper nail and washer.....	1, 175. 36
Burdett ranch, 0.8 mi. N. of, about 10 mi. S. of Goldthwaite, at crossroads, near two gates, at base of W. gatepost of wire gate, on rock; chiseled square.....	1, 222. 90
Goldthwaite, 8.7 mi. S. of, at deserted school (Nabors Creek School), in NE. angle of crossroads, at side of rd., on rock; chiseled square..	1, 282. 43
Goldthwaite, 7.5 mi. SW. of, 3.8 mi. along second-class rd. SE. of Big Valley Church, 35 ft. N. and 31 ft. W. from rd. junction, in sandstone post; standard tablet stamped "Prim Trav Sta No 72 T 1924 K 22".....	1, 297. 826
Reference mark, 220 ft. S. of tablet, on E. side of rd., at S. end of gate, in root of 10-in. mesquite tree; copper nail.....	1, 295. 92
Big Valley Church, 3.0 mi. SE. of, at E. corner of wooden gate, 60 ft. N. of junction of rd. S., on summit of hill, in root of 10-in. oak tree used as gatepost; copper nail.....	1, 344. 37
Big Valley Church, 2.0 mi. SE. of, 1.2 mi. W. of Edgins ranch house, 0.25 mi. S. of Niles ranch, on N. slope of hill, on E. side of rd., at dry branch of Bull Creek, on sandstone bed; chiseled square.....	1, 235. 94
Big Valley Church, 1.0 mi. SE. of, 1.4 mi. SE. of Big Valley store on Warren Crossing rd., 19 ft. N. and 25 ft. E. from junction of N.-S. rd. and rd. E. through pasture to Nabors Creek rd., 6 ft. NE. of corner fence post, in 6- by 12-in. sandstone rock; standard tablet stamped "Prim Trav Sta No 73 T 1924 K 23".....	1, 206. 801
From point 1.2 miles west of Edgins ranch house along road east to Goldthwaite-Lometa road, thence southeast into Lampasas No. 3 quadrangle ⁸⁷ (by H. P. Kilby in 1925)	
Edgins ranch house, 100 ft. N. of, 0.6 mi. W. of Smith Bros. ranch house, 40 ft. E. of rd., on W. slope of hill, 90 ft. N. of fence corner, on shelf of sandstone ledge; chiseled square.....	1, 278. 32
Smith Bros. ranch house, 1.0 mi. E. of, on Goldthwaite-Acton Crossing rd., on W. side of rd., 60 ft. W. of branch of Nabors Creek, in SE. corner of field, in base of 7-in. mesquite tree used as corner fence post; copper nail.....	1, 332. 06
Smith Bros. ranch house, 2.6 mi. along Goldthwaite-Acton Crossing rd. E. of, 5.5 mi. along Goldthwaite-Lometa rd. S., thence 0.4 mi. W. from Goldthwaite, 20 ft. N. of second-class rd., 60 ft. W. of head of drain, in base of 15-in. mesquite tree; copper nail and washer.....	1, 346. 90

⁸⁷ This line crosses the southwest corner of Lampasas No. 2 quadrangle, but no permanent bench marks were set in that portion of the line.

360 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Goldthwaite, 5.5 mi. S. of, 400 ft. N. of milepost 5½, 50 ft. NW. of bridge over Nabors Creek, on fence line, 40 ft. W. of rd., in sandstone ledge; standard tablet stamped "K 24 1925"-----	<i>Feet</i> 1, 334. 865
Reference mark, 30 ft. N.30°E. of tablet, on ledge; chiseled square----	1, 335. 61
Goldthwaite, 6.5 mi. S. of, at turn in Goldthwaite-Lometa rd. from S. to SE. and junction of rd. S., in wye, in base of 20-in. oak tree; copper nail and washer-----	1, 363. 12
Goldthwaite, 7.5 mi. SE. of, at base of San Saba Peak, on E. side of rd., 50 ft. N. of gate and rd. to ranch house, on boulder; highest point-----	1, 413. 83
Goldthwaite, 9.2 mi. SE. of, about 2 mi. S. of San Saba Peak, on Lometa-Goldthwaite rd., in SW. corner of crossroads, in sandstone post; standard tablet stamped "Prim Trav Sta No 53 J 1924 K 25"-----	1, 408. 522
Goldthwaite, 10.2 mi. SE. of, 300 ft. N. of culvert over creek, on E. side of rd., 10 ft. W. of fence line, in base of 10-in. oak tree; copper nail and washer-----	1, 339. 40
Goldthwaite, 11.5 mi. SE. of, about 800 ft. S. of Elliot Creek, at sharp angle in rd. and junction of old rd. SW., 30 ft. W. of Goldthwaite rd., on top of rock ledge; chiseled square-----	1, 303. 53
Goldthwaite, 12.7 mi. SE. of, 600 ft. N. of signboard reading "Lometa 10 miles," on NW. end of rock culvert under rd.; chiseled square----	1, 334. 76
Goldthwaite, 14.4 mi. SE. of, 8.0 mi. NW. of Lometa, 1.6 mi. NE. of Chadwick, in NE. corner of intersection of Gulf, Colorado & Santa Fe Ry. and Lometa-Goldthwaite rd., on conglomerate rock directly E. of warning signal; highest point-----	1, 298. 87
From Lampasas No. 2 quadrangle southwest along Gulf, Colorado & Santa Fe Railway into Bend quadrangle (by E. E. Harris in 1925)	
Chadwick, 1.0 mi. NE. of, on N. side of track, opposite milepost 10, on top of section of rail; chiseled square-----	1, 282. 53

GRAHAM QUADRANGLE

[Latitude 33°00'-33°15'; longitude 98°30'-98°45']

YOUNG COUNTY

From Jacksboro No. 3 quadrangle at point about 4.4 miles northwest of Henry Chapel School along roads northwest to Flat Rock Creek, thence northeast along creek to Flatrock School, thence generally north and west along roads by way of Graham and Belnap into Newcastle No. 3 quadrangle at point 3.9 miles southwest of Belnap (by Basil Tuttle in 1923-24)

Henry Chapel School, 5.0 mi. NW. of, at junction of rd. NE. to oil well, 40 ft. N. of rd., 4 ft. W. of gate, on stone; chiseled square-----	1, 095. 62
Henry Chapel School, 5.2 mi. NW. of, at junction of private rd. to ranch house of T. K. Criswell, 6 ft. E. of gate, in concrete post; standard tablet stamped "T 12 1924"-----	1, 091. 599
Henry Chapel School, 5.9 mi. NW. of, 2.7 mi. SW., thence 3.2 mi. SE. from Flatrock School, about 40 ft. N. of point where private rd. crosses main rd., about 20 ft. N. of wooden gate, in root on S. side of 8-in. oak tree; copper nail and washer-----	1, 129. 10
Flatrock School, 2.7 mi. SW., thence 2.3 mi. SE. from, about 40 ft. W. of junction of rd. to Herron, 8 ft. N. of fence corner, on stone; chiseled square-----	1, 087. 30
Flatrock School, 2.7 mi. SW., thence 1.3 mi. SE. from, at drain crossing, 10 ft. N. of rd., 2 ft. E. of 24-in. oak tree, on stone; chiseled square-----	1, 092. 75

	<i>Feet</i>
Flatrock School, 2.7 mi. SW. of, at steel bridge over Flat Rock Creek, in top of SE. concrete abutment; standard tablet stamped "T 13 1924"-----	1, 024. 082
Flatrock School, 1.5 mi. SW. of, on W. side of creek, at bend to N., on rock outcrop; chiseled square-----	1, 045. 46
Flatrock School, 0.5 mi. SW. of; 200 ft. NE. of Pirchard ranch house, 20 ft. E. of corral gate, in root on N. side of 18-in. oak tree; copper nail and washer-----	1, 125. 41
Flatrock School, at SW. corner of, in rock outcrop; standard tablet stamped "T 14 1924"-----	1, 130. 969
Flatrock School, 1.2 mi. NE. of, 30 ft. N. of junction of rd. NE. and upper Finis rd., in root on E. side of 12-in. oak tree; copper nail and washer-----	1, 154. 53
Flatrock School, 2.1 mi. NE. of, about 40 ft. N. of junction of private rd. W., in root on W. side of 12-in. mesquite tree; copper nail and washer-----	1, 171. 85
Flatrock School, 2.9 mi. NE. of, at deserted ranch house, on outside base of fireplace; chiseled square-----	1, 103. 74
Flatrock School, 3.4 mi. NE. of, 4.5 mi. NE. of Young County courthouse at Graham, about 40 ft. SW. of junction of main rd., in rock outcrop; standard tablet stamped "T 15 1924"-----	1, 115. 402
Graham, 3.9 mi. NE. of, about 40 ft. SE. of junction of rd. NE., on rock outcrop; chiseled square-----	1, 143. 05
Graham, 2.8 mi. NE. of, 40 ft. S. of rd., in root on N. side of oak tree; copper nail and washer-----	1, 094. 22
Graham, 2.1 mi. NE. of, about 20 ft. SW. of junction of private T-rd. S.; iron post stamped "T 16 1924"-----	1, 106. 521
Reference mark, 20 ft. N. of rd. junction, on rock; chiseled square-----	1, 103. 56
Graham, 1.0 mi. NE. of, 20 ft. E. of junction of N.-S. street, on NE. abutment of concrete culvert; chiseled square-----	1, 064. 74
Graham, at intersection of Tennessee Street and Fourth Street East, on top of N. concrete platform of culvert; chiseled square-----	1, 063. 04
Graham, at courthouse, 100 ft. N. of N. entrance, in concrete meridian post; standard tablet stamped "T 17 1924" ⁸⁸ -----	1, 044. 768
Graham, 0.6 mi. W. of, at bridge over Salt Creek, in top of SE. concrete abutment; standard tablet stamped "T 18 1924"-----	1, 012. 745
Graham, 1.4 mi. W. of, 100 ft. W. of junction of South Bend rd., 100 ft. N. of garage with four gables, in root on N. side of 8-in. mesquite tree; copper nail and washer-----	1, 057. 33
Graham, 2.3 mi. W. of, at junction of T-rd. NW., in root on N. side of 8-in. oak tree; copper nail and washer-----	1, 106. 17
Graham, 2.8 mi. W. of, 40 ft. SE. of junction of rd. SW., 6 ft. E. of fence corner, in concrete post; standard tablet stamped "T 19 1924"-----	1, 112. 568
Graham, 3.6 mi. W. of, 8 ft. SW. of rd. junction, on sandstone outcrop; chiseled square-----	1, 116. 65
Graham, 4.7 mi. W. of, 8 ft. NE. of crossroads, in root on E. side of 4-in. mesquite tree; copper nail and washer-----	1, 185. 17
Graham, 5.2 mi. W. of, on S. side of rd., 40 ft. N. of ranch house of J. E. Clark, in root on N. side of 24-in. mesquite tree; copper nail and washer-----	1, 183. 66
Graham, 6.1 mi. W. of, on S. side of rd., 4 ft. E. of gate in wire fence across rd.; iron post stamped "T 20 1924"-----	1, 194. 069

⁸⁸ In 1937 it was reported that this bench mark had been destroyed when a new courthouse was built.

362 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Reference mark, on N. side of rd., 60 ft. E. of gate, on sandstone outcrop; chiseled square.....	1, 192. 97
Graham, 7.2 mi. W. of, 3.4 mi. SE. of Belnap, 40 ft. N. of junction of T-rd. S., in root on N. side of 6-in. mesquite tree; copper nail and washer.....	1, 105. 06
Belnap, 2.1 mi. SE. of, 20 ft. SW. of center of turn W. in rd., 200 ft. SW. of ranch house, on rock; chiseled square.....	1, 119. 40
Belnap, 1.8 mi. SE. of, about 300 ft. S. of schoolhouse, on W. side of rd., 20 ft. N. of junction of T-rd. W., in rock; standard tablet stamped "T 21 1924".....	1, 157. 294
Reference mark, 350 ft. S. of schoolhouse, 10 ft. S. of junction of T-rd. W., on stone; chiseled square.....	1, 156. 36
Belnap, 0.8 mi. SE. of, about 160 ft. W. of W. angle in rd., in root on S. side of 12-in. oak tree; copper nail and washer.....	1, 172. 21
Belnap, 180 ft. S. of crossroads at, 250 ft. S. of Block House, 6 ft. S. of fence corner, in concrete post; standard tablet stamped "T 22 1924".....	1, 171. 117
Belnap, 1.1 mi. SW. of, about 300 ft. S. of W. side of ford, in root on E. side of 6-in. mesquite tree; copper nail and washer.....	1, 065. 56
Belnap, 2.3 mi. S. of, at summit of ridge, 4 ft. N. of rd., in root on S. side of mesquite tree; copper nail and washer.....	1, 115. 42
Belnap, 3.3 mi. SW. of, at NE. corner of Miller School, in rock outcrop; standard tablet stamped "T 23 1924".....	1, 112. 650

From Newcastle No. 3 quadrangle at point 4.4 miles northeast of Eliasville along roads generally northeast and southeast to South Bend (by S. R. Archer in 1924)

Eliasville, 5.0 mi. NE. of, 4.8 mi. NW. of South Bend, 275 ft. NE. of junction of T-rd. NW., 320 ft. NW. of house on SE. side of rd., on SE. side of rd., in fence line, W. of fence corner, in root on N. side of 6-in. mesquite tree; copper nail and washer.....	1, 221. 84
South Bend, 4.3 mi. NW. of, 50 ft. N. and 45 ft. E. from angle in rd. and junction of private rd. NW., in root 4 in. underground on S. side of 18-in. oak tree; copper nail and washer.....	1, 217. 40
South Bend, 3.4 mi. NW. of, on S. side of rd., at angle to SE., at junction of private rd. NE., 15 ft. E. of angle in fence, on E. side of gate; iron post stamped "A 18 1924".....	1, 194. 708
Reference mark, 200 ft. E. of post, on S. side of rd., in fence line, in root on NW. side of 12-in. oak tree; copper nail and washer.....	1, 192. 39
South Bend, 2.5 mi. NW. of, at summit of hill, 300 ft. E. of junction of T-rd. S., on N. side of rd., in fence line, in root on NE. side of 6-in. oak tree; copper nail and washer.....	1, 131. 25
South Bend, 1.9 mi. NW. of, at foot of hill, 0.2 mi. SE. of sharp turn to SE. in rd., on W. side of rd., opposite and 50 ft. N. of house on E. side of rd., 180 ft. N. of irrigation canal, in fence line, 20 ft. S. of fence corner, in root on E. side of blazed 18-in. mesquite tree; copper nail and washer.....	1, 047. 74
South Bend, 0.9 mi. W. of, 0.5 mi. W. of bridge over Clear Fork of Brazos River, on S. side of rd., on E. side at NE. corner of small tenant house, on top of lower stone of two-stone foundation; chiseled square.....	1, 037. 48
South Bend, 250 ft. W. of Main Street intersection, on N. side of rd., at SE. corner of Methodist Church, at W. side of entrance, 2 ft. N. and 3 ft. W. from SW. corner of portico, in concrete post; standard tablet stamped "A 19 1924" (recovered by U. S. C. & G. S. in 1933).....	1, 037. 534

	<i>Feet</i>
Reference mark, 200 ft. E. of tablet, at SW. corner of street intersection, at Crystal service sta., on top of E. end of concrete base of pump; chiseled square.....	1, 040. 12
From Ivan quadrangle at point west of Salem Bend of Brazos River along roads northwest and west by way of Bunger to South Bend (by I. F. Hazelwood in 1924)	
Oil City, 1.7 mi. E., thence 1.4 mi. N. from, 0.3 mi. S., thence 1.8 mi. SE. of Bunger, 60 ft. E. of rd. fork; iron post stamped "H 12 1924".....	1, 036. 350
Reference mark, 50 ft. E. of rd. fork, in root of 6-in. mesquite tree; copper nail and washer.....	1, 036. 12
Bunger, 0.3 mi. S., thence 1.7 mi. E. from, 165 ft. SW. of junction of T-rd. W., 20 ft. S. of rd., 130 ft. S. of house, in root on N. side of 18-in. mesquite tree; copper nail and washer.....	1, 140. 11
Bunger, 0.3 mi. S., thence 0.2 mi. E. from, 30 ft. NE. of center of crossroads, 3 ft. W. of telephone pole, on rock 6 in. square at top; chiseled square.....	1, 107. 72
Bunger, 0.3 mi. S., thence 0.9 mi. W. from, 4.3 mi. NE. of South Bend, 10 ft. N. of rd., 6 ft. S. and 15 ft. W. from creek, about 6 ft. above level of creek, in rocky bank; standard tablet stamped "H 13 1924".....	1, 036. 621
Reference mark, 29 ft. N. and 9 ft. W. from tablet, 20 ft. S. of rd., 50 ft. W. of creek; nature of mark not given.....	1, 038. 29
South Bend, 4.0 mi. NE. of, 0.2 mi. SE. of Caseyville Crossing of Brazos River, 70 ft. W. of center of crossroads, on sandstone rock; chiseled square.....	1, 053. 45
South Bend, 3.8 mi. NE. of, 140 ft. E. of E. bank of Brazos River, 8 ft. N. of rd., on 3- by 6-in. rock set 2 ft. in ground; chiseled square.....	1, 009. 60
Brazos River; surface of water Jan. 22, 1924.....	989. 4
South Bend, 3.0 mi. NE. of, 25 ft. S. and 22 ft. W. from junction of old toll rd. and Tonk Valley rd., in concrete post; standard tablet stamped "H 14 1924".....	1, 105. 336
Reference mark, 18 ft. S. and 12 ft. W. from junction of T-rd. E., on top of rock; chiseled square.....	1, 105. 10
South Bend, 2.1 mi. NE. of, 35 ft. SE. of old toll rd., 175 ft. NE. of NE. bank of Brazos River, in root on SW. side of 15-in. oak tree; copper nail and washer.....	1, 033. 48
Brazos River; surface of water Jan. 24, 1924.....	1, 003. 1
South Bend, 1.6 mi. NE. of, 30 ft. N. of rd., 25 ft. S. of old log cabin, in root of fork of two 9-in. mesquite trees; copper nail and washer.....	1, 042. 06
South Bend, 0.5 mi. N. of, 65 ft. N. and 10 ft. E. from junction of old toll rd. and State Highway 67, in root of 18-in. mesquite tree; copper nail and washer.....	1, 032. 97
From road junction 0.5 mile north of South Bend northeast along State Highway 67 to road junction 1.4 miles west of Graham (by I. F. Hazelwood in 1924)	
South Bend, 1.5 mi. NE. of, 15 ft. SE. of rd., in front of residence of M. B. Yancey, in root on N. side of 13-in. mesquite tree; copper nail and washer.....	1, 045. 90
Brazos River, under bridge; surface of water Jan. 9, 1924.....	1, 004. 4
South Bend, 2.5 mi. NE. of, at bridge across Brazos River, on top of E. end of NE. concrete wing wall; chiseled square.....	1, 034. 84
South Bend, 3.4 mi. NE. of, 70 ft. N. and 35 ft. W. from junction of Bunger rd.; iron post stamped "H 15 1924".....	1, 082. 706
Reference mark, 20 ft. N. and 10 ft. W. from rd. junction, in root of 8-in. mesquite tree; copper nail and washer.....	1, 080. 61

364 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
U. S. C. & G. S. standard disk stamped "G 191 1933" ⁸⁹	1, 044. 030
South Bend, 4.1 mi. NE. of, on NE. side of rd., at W. end of residence of Charles Holt, on stone; chiseled square.....	1, 090. 90
South Bend, 5.4 mi. NE. of, at Tonk Valley School, on NE. corner of S. doorstep; chiseled square.....	1, 067. 28
South Bend, 6.5 mi. NE. of, 4.5 mi. SW. of Graham, 100 ft. S. of center of sharp turn in rd., 6 ft. S. of fence line, 20 ft. W. of E. fence line, in concrete post; standard tablet stamped "H 16 1924".....	1, 086. 302
Reference mark, 60 ft. S. of center of turn, 12 ft. E. of fence line, on sandstone rock 8 by 10 in. at top; chiseled square.....	1, 085. 85
Graham, 3.2 mi. SW. of, 110 ft. N. and 30 ft. E. from house on S. side of rd., in fork of two mesquite trees; copper nail and washer.....	1, 115. 44
Graham, 2.4 mi. SW. of, on E. side of rd., in front of Gratex Dairy Farm, 5 ft. N. and 5 ft. W. from entrance gate, on sandstone rock 8 by 13 in. at top; chiseled square.....	1, 118. 68
From Newcastle No. 1 quadrangle along roads south to point near Newcastle, thence east and south to Graham (by C. E. Walker in 1926)	
True, 3.4 mi. S. of, 3.3 mi. N. of Newcastle, 22 ft. E. of center line of rd., opposite corner of property of C. H. Ledbetter and A. E. Logan, in fence line on property of J. C. Bullock, in concrete post; standard tablet stamped "WA 26 Tex 1926".....	1, 206. 475
Newcastle, 2.1 mi. N. of, about 0.7 mi. N. of Belknap coal mine, 140 ft. S. of bridge over creek, 40 ft. E. of center line of rd., in crotch of two 6-in. mesquite trees; copper nail and washer.....	1, 153. 58
Newcastle, about 1 mi. E. of, 36 ft. S. and 8 ft. E. from junction of T-rd. N., 3 ft. inside fence, in concrete post; standard tablet stamped "WA 27 Tex 1926" ⁹⁰	1, 164. 889
Newcastle, about 2 mi. E. of, 36 ft. S. of center line of rd., on prop- erty of B. P. Grigsby, 660 ft. E. of pasture gate, 14 ft. S. of fence, in N. side of leaning 4-in. mesquite tree; copper nail and washer.....	1, 207. 54
Newcastle, about 3 mi. E. of, 22 ft. N. of rd., at junction of private T-rd. N., on property of Mary Willis, 6 ft. W. of gate, in fence corner, in concrete post; standard tablet stamped "WA 28 Tex 1926".....	1, 174. 614
Reference mark, 26 ft. S. of rd., on property of J. R. Barnett, 50 ft. W. of fence corner, in E. side of 8-in. oak tree; copper nail and washer.....	1, 176. 34
Newcastle, about 4 mi. E. of, 650 ft. E. of bridge over small creek, about 150 ft. W. of small bridge over drain, at bend in rd., 35 ft. N. of center line, in crotch of two 3-in. mesquite trees; copper nail and washer.....	1, 126. 67
Newcastle, about 5.2 mi. E. of, 0.5 mi. W. of bridge over Salt Creek, at junction of private T-rd. N., on property of Lamar Smith, 20 ft. W. of gate, in fence line, in concrete post; standard tablet stamped "WA 29 Tex 1926".....	1, 095. 103
Reference mark, 24 ft. N. of rd., at junction of private rd., 35 ft. E. of wire gate, in S. side of 14-in. oak tree; copper nail and washer.....	1, 093. 32
Newcastle, about 5.3 mi. E. of, 0.6 mi. E. of bridge over Salt Creek, 40 ft. S. of rd., 29 ft. SW. of fence corner, in E. side of 5-in. mes- quite tree; copper nail and washer.....	1, 123. 95

⁸⁹ The tie between this bench mark, the bench mark stamped "H 15 1924," and the mark with elevation 1,080.61 feet was made in 1937.

⁹⁰ In 1937 this bench mark was reported destroyed.

Newcastle, about 6.5 mi. E. of, 71 ft. SW. of SW. corner of Indian Mound School, 40 ft. S. and 24 ft. E. from junction of T-rd. W., in fence corner, in concrete post; standard tablet stamped "WA 30 Tex 1926"-----	<i>Feet</i> 1, 140. 664
Reference mark, 42 ft. N. of NW. corner of school, on NW. corner of well curb; chiseled square-----	1, 139. 16
Graham, 6.0 mi. N. of, 20 ft. E. of rd., in front of farmhouse of W. J. Hoggard, 105 ft. SE. of entrance, in W. side of 4-in. mesquite tree; copper nail and washer-----	1, 127. 32
Graham, 5.1 mi. N. of, 25 ft. NW. of junction of T-rd. N., in fence corner, in concrete post; standard tablet stamped "WA 31 Tex 1926"-----	1, 119. 029
Reference mark, 92 ft. E. of junction of T-rd. N., 40 ft. E. of inside fence corner, 10 ft. N. of fence line, in NE. side of 4-in. scrub oak tree; copper nail and washer-----	1, 119. 29
Graham, 4.0 mi. N. of, 30 ft. W. of center line of rd., at slight angle, 8 ft. E. of fence line, in W. side of 14-in. oak tree; copper nail and washer-----	1, 101. 49
Graham, 2.8 mi. N. of, 0.4 mi. S. of bridge over Briar Creek, on summit of sharp ridge, 30 ft. E. of rd., 15 ft. S. of gate, in fence line, in concrete post; standard tablet stamped "WA 32 Tex 1926"-----	1, 102. 867
Reference mark, 30 ft. E. of rd., in fence line, in W. side of 8-in. oak tree; copper nail and washer-----	1, 102. 41
Graham, 1.8 mi. along State Highway 24 N. of, at summit of sharp curve and steep grade, at S. end of wire gate to farmhouse, in E. side of 14-in. oak tree; copper nail and washer-----	1, 108. 82

GRANDFIELD QUADRANGLE ⁹¹

[Latitude 34°00'-34°15'; longitude 98°30'-98°45']

WICHITA COUNTY

From Randlett quadrangle at point about 6.8 miles west of Thornberry generally west along road to Missouri-Kansas-Texas Railroad, thence southeast into Holliday quadrangle (by Roscoe Reeves in 1914)

Burkburnett, 4.0 mi. by rd. SE. of, 0.5 mi. E. of crossing of Missouri-Kansas-Texas R. R., in NE. angle of junction of T-rd. N., 50 ft. N. of corner fence post; iron post stamped "1009" ⁹² (recovered in 1915) ..	1, 009. 138
Burkburnett, 6.1 mi. along R. R. SE. of, 1.2 mi. NW. of Bacon, on N. side of rd., 50 ft. E. of track, on right-of-way; iron post stamped "1058" ⁹³ (recovered in 1915)-----	1, 057. 870
From road junction 4 miles southeast of Burkburnett along roads alternately west and north to Burkburnett, thence generally west into China Creek quadrangle at point 3.2 miles west of Clara (by D. H. Watson in 1915)	
Burkburnett, 0.5 mi. S. of, in NE. angle of junction of T-rd. E., 5 ft. N. of power pole; iron post-----	1, 042. 953
Burkburnett, at city water tower, in SW. concrete pier; standard tablet stamped "1057" (recovered in 1928; recovered also by U. S. C. & G. S. in 1934)-----	1, 057. 196
Burkburnett, in front of sta.; top of rail-----	1, 051. 5

⁹¹ The area north of the Red River lies in Oklahoma.⁹² This post was reported bent at a 45° angle; the figures represent the original elevation.⁹³ This post was reported 10 feet south of the north right-of-way line of the new road, undisturbed but 6 inches below the surface.

366 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Sullivan triangulation sta., 2.0 mi. SW. of Burkburnett, on N. side of Burkburnett-Electra rd., on Sullivan farm, 600 ft. W. of Sullivan residence; iron post stamped "1126"-----	Feet 1, 125. 477
Burkburnett, 5.5 mi. W. of, 2.2 mi. NE. of Clara, on S. side of rd., 600 ft. W. of offset in rd., 45 ft. NE. of farmhouse; iron post stamped "1085"-----	1, 084. 589
Clara, 600 ft. SE. of, on E. side of rd., at junction of T-rd. W., 5 ft. S. of telephone pole; iron post stamped "1102"-----	1, 101. 989

From China Creek quadrangle at point 0.6 mile north and 1 mile west from Lost Creek School along roads alternately east and south into Holliday quadrangle at point 0.3 mile north and 1.5 miles west from Everett School (by D. H. Watson in 1915)

Lost Creek (Prairie Cottage) School, 1.0 mi. E. of, 20 ft. N. of rd., 20 ft. W. of mail box of W. F. Hiesermann; iron post stamped "1091"-----	1, 091. 351
Wyeth School, 0.5 mi. E. of, at junction of T-rd. N., 30 ft. N. of rd., 3 ft. W. of NW. corner fence post, in large sandstone rock; standard tablet stamped "1073"-----	1, 073. 363
Lindsey triangulation sta., 2.9 mi. E. and 1.5 mi. S. from Wyeth School, about 6 mi. S. and 2.5 mi. W. from Burkburnett sta., W. of NW. corner of residence of Joseph Lindsey, 2 ft. W. of E. garden fence; iron post stamped "1122"-----	1, 122. 599

From Burkburnett northwest along Missouri-Kansas-Texas Railroad to Red River (by J. B. Leachman in 1928; single spur line)

Burkburnett, 3.6 mi. NW. of, at S. end of trestle over Red River; top of E. rail-----	993. 3
Burkburnett, 3.6 mi. NW. of, in SE. corner of trestle over Red River; copper nail and washer-----	993. 35

GRAPEVINE QUADRANGLE

[Latitude 32°45'-33°00'; longitude 97°00'-97°15']

DALLAS, DENTON, AND TARRANT COUNTIES

Along roads near Coppell (by C. E. Reick in 1924)

[A jog from Carrollton quadrangle]

Coppell, 1.0 mi. N. of, on W. side of rd., in root of 24-in. oak tree; copper nail-----	513. 21
Coppell, 0.3 mi. S. of, 100 ft. NW. of R. R. sta., on W. end of iron culvert; chiseled cross-----	516. 30

South, west, and northwest along roads about 1 mile north of Denton-Tarrant county line (by C. E. Reick in 1925)

[A jog from Denton No. 4 quadrangle]

Grapevine, about 4.2 mi. N. and 1.5 mi. E. from, 4.4 mi. by rd. W. of Round Grove School, 1.0 mi. N. of Denton-Tarrant county line, 15 ft. W. of mail box of W. R. Spink; top of iron rod-----	584. 73
Grapevine, 4.2 mi. N. and 0.5 mi. E. from, at angle in rd., 17 ft. W. of rd. N., 20 ft. N. of rd. E., in concrete post; standard tablet stamped "Prim Trav Sta No 21 Y 1924" and "R 15 Tex 1925"-----	619. 752
Reference mark, 100 ft. N. of tablet, in root of 12-in. oak tree; copper nail and washer-----	620. 34

From Denton No. 4 quadrangle generally south and east along roads into Carrollton quadrangle (by C. E. Reick in 1925)

Hilliard School, 0.3 mi. W., thence 1.7 mi. S. from, 0.5 mi. S. of Denton Creek, 20 ft. N. of junction of T-rd. S., 2 ft. S. of dipping vat, in concrete post; standard tablet stamped "Prim Trav Sta No 18 Y 1924" and "R 18 Tex 1925"-----	Fect 511. 181
Reference mark, 300 ft. S. of tablet, in root of 8-in. elm tree; copper nail-----	516. 46
Lonesome Dove Church, 1.0 mi. N. of, 30 ft. W. of rd. at right-angle turn E., in root of 15-in. oak tree; copper nail and washer-----	549. 17
Lonesome Dove Church, 200 ft. NE. of, in root of 20-in. oak tree; copper nail and washer-----	574. 73
Grapevine, 3.5 mi. W., thence 2.0 mi. N. from, at crossroads with jog in E.-W. rd., 145 ft. S. of rd. W., 105 ft. N. of rd. E., 27 ft. W. of N.-S. rd., in concrete post; standard tablet stamped "Prim Trav Sta No 17 Y 1924" and "R 19 Tex 1925"-----	589. 865
Reference mark, 180 ft. E. of tablet, on N. end of concrete culvert; chiseled square-----	590. 49
Grapevine, 3.5 mi. W., thence 1.0 mi. N. from, 40 ft. N. of mail box of N. V. Guess, in root of 18-in. oak tree; copper nail and washer----	618. 22-
Grapevine, 3.5 mi. W. of, 0.9 mi. S. of Carroll School, on N. side of Grapevine rd., on concrete culvert; chiseled square-----	641. 47
Grapevine, 3.5 mi. W., thence 1.1 mi. S. from, 17 ft. N. and 11 ft. E. from junction of T-rd. N., in S. end of E. head wall of culvert; standard tablet stamped "Prim Trav Sta No 16 Y 1924" and "R 20 Tex 1925"-----	600. 858
Reference mark, 80 ft. W. of tablet, in N. end of concrete culvert; iron bolt-----	600. 51
Grapevine, 3.7 mi. along Fort Worth highway SW. of, on S. side of highway, at junction of rd. S.; top of iron rod-----	589. 49
Grapevine, 3.7 mi. SW., thence 1.0 mi. S. from, 0.9 mi. W., thence 1.3 mi. N. from Glade, on E. side of rd., in line with lane W. to house; top of iron rod-----	608. 97
Grapevine, 3.7 mi. SW., thence 1.4 mi. S. from, 0.9 mi. W., thence 0.7 mi. N. from Glade, 20 ft. S. and 20 ft. E. from crossroads, inside fence, in concrete post; standard tablet stamped "Prim Trav Sta No 15 Y 1924" and "R 21 Tex 1925"-----	606. 726
Reference mark, 240 ft. E. of tablet, on N. side of rd., near fence; top of iron rod-----	604. 96
Grapevine, 3.9 mi. by rd. SW. of, 0.2 mi. E., thence 0.8 mi. N. from Glade, at summit of grade, on N. side of rd., near fence; top of iron rod-----	609. 73
Grapevine, about 3.5 mi. by rd. S., thence 0.8 mi. SW. from, 40 ft. S. of mail box of J. H. Driskill, in root of 30-in. oak tree; copper nail and washer-----	627. 96
Grapevine, 3.5 mi. by rd. S. of, 25 ft. N. and 25 ft. W. from junction of N.-S. rd., inside fence, in concrete post; standard tablet stamped "Prim Trav Sta No 14 Y 1924" and "R 22 Tex 1925"-----	533. 453
Reference mark, 320 ft. S. of tablet, in root of 28-in. oak tree; copper nail and washer-----	535. 64
Grapevine, 4.3 mi. S., thence 0.2 mi. E. from, 0.4 mi. S., thence 1.1 mi. W. from Muriel, on S. side of rd., in yard of cabin, in root of 24-in. oak tree; copper nail-----	574. 16

Muriel, 0.4 mi. S. of, at crossroads, on E. side of main rd.; on E. end of concrete culvert; chiseled square.....	Feet 569. 65
Muriel, 0.4 mi. S., thence 0.8 mi. E. from, 1.0 mi. N. and 2.0 mi. W. from Estelle, 25 ft. S. and 20 ft. W. from junction of T-rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 13 Y 1924" and "R 23 Tex 1925".....	570. 429
Reference mark, 380 ft. S. of tablet, on W. side of rd., near small bridge; iron rod.....	568. 29
Estelle, 1.5 mi. W. of, on NW. corner of concrete and steel bridge; chiseled square.....	520. 52
Estelle, 30 ft. S. and 35 ft. W. from junction of N.-S. rd., 450 ft. E. of school, in corner of yard, in concrete post; standard tablet stamped "Prim Trav Sta No 12 Y 1924" and "R 24 Tex 1925".....	546. 951
Reference mark, 40 ft. W. of tablet, in root of 10-in. mesquite tree; copper nail and washer.....	546. 81
From Fort Worth No. 4 quadrangle at point 4.8 miles southwest and 1.3 miles north from Arlington generally north along roads to point 0.9 mile west of Hurst, thence southwest along Chicago, Rock Island & Gulf Railway into Fort Worth No. 2 quadrangle (by C. E. Walker in 1925)	
Arlington, 4.8 mi. SW., thence 2.1 mi. N. from, on summit of ridge, at private T-rd. W.; top of N. end of corrugated iron culvert.....	583. 99
Arlington, 4.8 mi. SW., thence 2.5 mi. N. from, 1.8 mi. by rd. S. of Randalls Mill bridge over Trinity River, on summit of ridge, 100 ft. N. of crossroads, in root on E. side of 5-in. oak tree; copper nail and washer.....	610. 22
Randalls Mill bridge, 60 ft. S. of, 7.0 mi. NW. of Arlington, 18 ft. NE. of house of L. C. McPike, on land of R. A. Randall, 2 ft. N. of fence of public rd.; iron post stamped "No 27-482. 4" (Texas Reclamation Dept. B. M. 27).....	482. 329
Reference mark, on SE. corner of bridge, in first concrete pier; top of anchor bolt.....	484. 35
Randalls Mill bridge, 0.9 mi. N. of, 0.9 mi. W., thence 1.1 mi. SE. from Hurst, 41 ft. SE. of rd. fork, about 200 ft. SW. of schoolhouse, in root on W. side of 10-in. oak tree; copper nail and washer.....	507. 47
Hurst, 0.9 mi. W. of, 65 ft. N. of crossing of Chicago, Rock Island & Gulf Ry., 15 ft. W. of rd., in fence corner, in concrete post; standard tablet stamped "6 WA Tex 1925".....	517. 779
Hurst, 1.9 mi. W. of, about 0.2 mi. SE. of cemetery, on SE. side of R. R. bridge 6196, in timber abutment; copper nail and washer.....	510. 08
Hurst, 3.1 mi. SW. of, 5.9 mi. NE. of East First Street bridge over Trinity River in Fort Worth, 45 ft. N. and 25 ft. E. from center of rd. crossing, 300 ft. W. of semaphore block signal, 100 ft. E. of mile-post 618-5, in concrete post; standard tablet stamped "Prim Trav Sta No 6 S 1925".....	533. 141
Fort Worth, 4.9 mi. NE. of, on S. side of trestle 6175 over rd. and Fossil Creek, directly over E. side of rd., in top of pier; copper nail and washer.....	510. 68
Fort Worth, 4.0 mi. NE. of, 250 ft. E. of R. R. bridge 6168, 75 ft. S. of track, on right-of-way, 1.9 ft. N. and 5 ft. E. from fence; iron post stamped "No 30-503. 3" (Texas Reclamation Dept. B. M. 30)....	503. 198

From point near Hurst alternately east and northeast along Chicago, Rock Island & Gulf Railway to point 0.8 mile northeast of Tarrant, thence generally south along roads into Fort Worth No. 4 quadrangle at point 2.7 miles northeast and 0.6 mile north from Arlington (by C. E. Walker in 1925)

Hurst, 85 ft. S. and 262 ft. W. from center line of track, in front of sta. window, on S. edge of right-of-way, in line with telephone poles E. and W., 15 ft. N. of wire fence, in concrete post; standard tablet stamped "Prim Trav Sta No 5 S 1925"-----	Feet 524. 020
Reference mark, in front of telegraph operator's window, on SE. corner of concrete base of semaphore tower; chiseled square-----	520. 39
Hurst, 4.9 mi. E. of, 0.7 mi. SW. of Tarrant, 650 ft. W. of trestle over highway, on N. side of track, on NE. corner of old semaphore signal base; chiseled square-----	498. 21
Tarrant, 120 ft. S. and 82 ft. W. from sta., on S. side of track, 250 ft. directly S. of water tank, 10 ft. S. of private rd. along edge of right-of-way, in concrete post; standard tablet stamped "Prim Trav Sta No 4 S 1925"-----	503. 510
Reference mark, in front of telegraph operator's window, at semaphore signal block, on SE. corner of concrete base; chiseled square-----	498. 86
Tarrant, 0.8 mi. NE. of, at Dalton farmhouse, 150 ft. S. of rd. crossing, on E. side of rd., near gate, in root on E. side of 14-in. oak tree; copper nail and washer-----	486. 77
Tarrant, 0.8 mi. NE., thence 1.2 mi. S. from, 400 ft. NW. of Lower Dalton Crossing over Trinity River, 18 ft. N. of S. fence of rd.; iron post stamped "No 13-456. 0" (Texas Reclamation Dept. B. M. 13)-----	455. 865
Tarrant, 0.8 mi. NE., thence 2.0 mi. S. from, 2.7 mi. NE., thence 3.5 mi. N. from Arlington, 40 ft. NW. of junction of T-rd. W., at farmhouse of J. H. Wheeler, in root on SE. side of 6-in. elm tree; copper nail and washer-----	537. 60
Arlington, 2.7 mi. NE., thence 2.8 mi. N. from, on W. side of rd. at turn from W. to S., at gate, in root on E. side of 8-in. oak tree; copper nail and washer-----	539. 09
Arlington, 2.7 mi. NE., thence 1.7 mi. N. from, 15 ft. E. of junction of T-rd. W., in fence line, in concrete post; standard tablet stamped "WA 1 Tex 1925"-----	529. 618
Reference mark, at T-rd. W., on W. side of main rd., near farmhouse, in root on E. side of 14-in. elm tree; copper nail and washer-----	534. 11
From Carrollton quadrangle west along Chicago, Rock Island & Gulf Railway to point 0.8 mile east of Tarrant (by C. E. Walker in 1925)	
Irving, 4.2 mi. W. of, 3.5 mi. E. of Tarrant, at Liggett switch, 35 ft. N. and 25 ft. E. from rd. crossing, in fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 3 S 1925"-----	484. 442
Reference mark, 445 ft. E. of crossing, 10 ft. N. of center line of track, at semaphore signal block 6306, on SW. corner of concrete base; chiseled square-----	486. 17
Tarrant, 1.8 mi. E. of, about 400 ft. E. of private crossing, at semaphore signal block 6290, on SW. corner of concrete base; chiseled square-----	516. 09

GROSVENOR QUADRANGLE

[Latitude 31°45'–32°00'; longitude 99°00'–99°15']

BROWN AND COLEMAN COUNTIES

From Coleman No. 2 quadrangle at point 5.8 miles northeast of Santa Anna along roads northeast to Thrifty, thence generally north into Baird No. 4 quadrangle at point about 10 miles northeast of Grosvenor (by T. A. Green in 1923)

	<i>Feet</i>
Santa Anna, 6.0 mi. NE. of, 10.7 mi. SW. of Thrifty, 500 ft. W. of sharp bend NE. in rd., 130 ft. N. of center line of rd., in flat sandstone rock; standard tablet stamped "G 16 1923"-----	1, 621. 540
Reference mark, 240 ft. E. of tablet, 40 ft. N. of rd., in bench cut on side of leaning mesquite tree; copper nail and washer-----	1, 627. 09
Thrifty, 9.2 mi. SW. of, 75 ft. N. of center line of rd., 50 ft. NE. of gate at second-class rd. N., in root of leaning mesquite tree; copper nail and washer-----	1, 533. 40
Thrifty, 8.1 mi. SW. of, about 1,000 ft. W. of windmill, on N. side of rd., near fence line, on flat rock; chiseled square-----	1, 557. 06
Thrifty, 7.6 mi. SW. of, 160 ft. NE. of junction of N.-S. rd., 40 ft. E. of center line of rd., 5 ft. E. of fence line, in field, on summit of ridge, in concrete post; standard tablet stamped "G 17 1923"-----	1, 552. 737
Reference mark, 80 ft. E. of rd. junction, in hub on base of twin mesquite tree; copper nail and washer-----	1, 551. 05
Thrifty, 6.4 mi. SW. of, 0.4 mi. S. of Buffalo School, 120 ft. W. of rd., 100 ft. N. of house of H. A. Everage, in hub on root of Spanish-oak tree; copper nail and washer-----	1, 502. 62
Thrifty, 5.4 mi. SW. of, 0.6 mi. N. of Buffalo School, at NW. corner of crossroads, at house of J. E. Stephens, 4 ft. W. of telephone pole, on flat rock; highest point-----	1, 490. 76
Thrifty, 4.9 mi. SW. of, 0.5 mi. NE. of crossroads, near Brown-Coleman county line, 30 ft. W. of rd., 300 ft. SW. of gate at pasture, 15 ft. E. of stream, in flat limestone outcrop; standard tablet stamped "G 18 1923"-----	1, 471. 094
Reference mark, 345 ft. N. of tablet, 75 ft. N. of point where rd. turns E., in hub on root of oak tree; copper nail and washer-----	1, 473. 05
Thrifty, 4.0 mi. SW. of, at junction of N.-S. rd., E. of house of J. W. Shore, 60 ft. S. of gate, in hub on root of old mesquite tree; copper nail and washer-----	1, 496. 10
Thrifty, 1.8 mi. W. of, 706 ft. E. of crossroads, 25 ft. S. of center line of rd., in hub of twin mesquite tree standing SW. of clump of live-oak trees; copper nail and washer-----	1, 502. 54
Thrifty, 1.3 mi. W. of, 30 ft. N. of center line of rd., 150 ft. due N. of house occupied by Raymond McDonald and owned by L. E. George, at summit of steep grade, 4 ft. N. of fence line, in flat sandstone rock; standard tablet stamped "G 19 1923"-----	1, 512. 078
Reference mark, 100 ft. S. of tablet, 40 ft. NE. of NE. corner of house, in hub on 6-in. Spanish-oak tree; copper nail and washer-----	1, 514. 69
Thrifty, 1.1 mi. N. of, 30 ft. W. of center line of rd., 20 ft. N. of fence corner, 15 ft. NW. of telephone pole, in hub on leaning mesquite tree; copper nail and washer-----	1, 426. 90
Jim Ned Creek, under bridge; surface of water Nov. 21, 1923-----	1, 397. 3
Thrifty, 1.7 mi. N. of, 100 ft. W. of S. end of W. abutment of iron bridge over Jim Ned Creek, 20 ft. S. of center line of rd., in flat sandstone ledge; standard tablet stamped "Prim Trav Sta No 35 T 1923 Texas G 20"-----	1, 430. 790

	<i>Feet</i>
Reference mark, 100 ft. due W. of tablet, 30 ft. S. of rd., 60 ft. S. of mail box, in hub on southernmost of group of live-oak trees; copper nail and washer.....	1, 436. 09
Thrifty, 2.7 mi. N. of, 30 ft. SW. of crossroads, 3 ft. E. of fence corner, on sharp triangular brown rock; highest point.....	1, 429. 50
Thrifty, 3.7 mi. N. of, at sharp bend in rd., on W. side of rd., opposite gate at private rd. E., in hub on old post-oak tree; copper nail and washer.....	1, 442. 13
Thrifty, 4.5 mi. NW. of, 0.5 mi. E., thence 1.2 mi. S. from Grosvenor, 20 ft. S. of center line of rd., 300 ft. SW. of house occupied by Hugh Williams, 2 ft. N. of fence line and telephone pole, in sandstone rock; standard tablet stamped "Prim Trav Sta No 36 T 1923 Texas G 21".....	1, 507. 697
Reference mark, 100 ft. S. of tablet, in hub on root of mesquite tree; copper nail and washer.....	1, 506. 69
Grosvenor, 0.5 mi. E., thence 0.2 mi. S. from, on E. side of rd., at gate to house, in hub on base of old Spanish-oak tree; copper nail and washer.....	1, 506. 33
Grosvenor, 0.5 mi. E. of, 100 ft. N. of junction of rd. W., on W. side of rd., on large brown sandstone rock; chiseled square.....	1, 493. 69
Grosvenor, 1.8 mi. NE. of, 150 ft. E. of junction of Coleman and Comanche rd. E. and Crosscut rd. N., 30 ft. S. of gate, in flat sandstone rock; standard tablet stamped "Prim Trav Sta No 37 T 1923 Texas G 22".....	1, 516. 872
Reference mark, 200 ft. NE. of tablet, 110 ft. E. of rd., in hub on base of old mesquite tree; copper nail and washer.....	1, 510. 44
Grosvenor, 2.7 mi. NE. of, 0.3 mi. N. of Panther Creek School, on E. side of rd., opposite second-class rd. W., on sharp rock standing on edge; highest point.....	1, 517. 41
Grosvenor, 3.4 mi. NE. of, at SE. corner of turn to N. in main rd. and junction of rd. E., at base of corner fence post, on small sandstone rock; chiseled square.....	1, 576. 64
Grosvenor, 4.7 mi. NE. of, at junction of rd. E., on E. side of rd., 3 ft. E. of gatepost, in flat sandstone rock, flush with ground; standard tablet stamped "Prim Trav Sta No 38 T 1923 Texas G 23".....	1, 543. 791
Reference mark, 405 ft. N. of tablet, 125 ft. SE. of old deserted cabin, 12 ft. W. of center line of rd., in hub on base of Spanish-oak tree; copper nail and washer.....	1, 550. 26
Grosvenor, 5.9 mi. NE. of, 50 ft. W. of rd., 200 ft. NE. of NE. corner of old schoolhouse, in hub on base of old post-oak tree; copper nail and washer.....	1, 549. 01
Grosvenor, 6.9 mi. NE. of, on W. side of rd., 250 ft. N. of junction of second-class rd. E., on brown sandstone rock; chiseled square....	1, 502. 94
Grosvenor, 7.7 mi. NE. of, on N. side of Pecan Bayou, 300 ft. W. of old oil well, on land of L. V. Edington, 4 ft. N. of fence line at gate, in concrete post; standard tablet stamped "G 24 1923" ⁹⁴	1, 478. 492
Reference mark, on S. side of Pecan Bayou, 125 ft. NE. of gate at rd. junction, in hub on base of large elm tree; copper nail and washer....	1, 477. 12
Grosvenor, 9.0 mi. NE. of, 70 ft. NE. of gate across rd., 40 ft. E. of rd., in hub on root of Spanish-oak tree; copper nail and washer....	1, 556. 10

⁹⁴ In 1939 this bench mark was reported destroyed.

372 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From point 7.6 miles southwest of Thrifty along roads alternately south and east into Coleman No. 4 quadrangle at point about 3.5 miles northwest of Bangs (by F. B. Dodge in 1923; leveled twice)

Thrifty, 8.2 mi. SW. of, 7.0 mi. NW. of Bangs, 20 ft. inside fence, in NE. corner of junction of E.-W. rd., in root on SE. side of post-oak tree; copper nail and washer.....	Feet 1, 602. 88
Bangs, 5.0 mi. NW. of, on old Brownwood and Coleman rd., at Graves ranch, 100 ft. W. of turn in rd. from S. to E. and junction of rd. W., 4 ft. outside fence, in root on N. side of post-oak tree; copper nail and washer.....	1, 645. 69

From Coleman No. 4 quadrangle along roads generally north to Thrifty (by F. B. Dodge in 1923)

Bangs, 4.5 mi. along Bangs-Thrifty rd. N. of, 1.0 mi. SE., thence 1.8 mi. S. from Thrifty, in SE. angle of junction of T-rd. E., in root on N. side of mesquite tree; copper nail and washer.....	1, 554. 87
Thrifty, 1.0 mi. SE. of, in SE. angle of junction of Brownwood-Thrifty rd., 3 ft. inside fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 34 T 1923 Texas".....	1, 480. 911
Reference mark 1, about 60 ft. W. of tablet, in root on E. side of live-oak tree; nail.....	1, 479. 73
Reference mark 2, 150 ft. W. of tablet, in root of live-oak tree; copper nail and washer.....	1, 478. 37

From Thrifty southeast along Brownwood-Thrifty road into Coleman No. 4 quadrangle (by A. B. Williams in 1923)

Thrifty, 60 ft. W. of post office, 130 ft. S. of crossroads, on W. side of rd., 40 ft. E. of deserted stone building, on boulder; chiseled square.....	1, 435. 77
Thrifty, 1.7 mi. SE. of, on SW. side of angle in rd., 10 ft. from center line of rd., in root on N. side of live-oak tree; copper nail.....	1, 540. 65
Thrifty, 2.6 mi. SE. of, at rd. through gate to house of H. J. McAnnally, 20 ft. N. of center line of rd., on stone ledge; chiseled square...	1, 581. 43
Thrifty, 3.4 mi. SE. of, on E. side of rd., 30 ft. N. of corner of wire fence, 10 ft. inside fence line, at summit of short hill, in stone outcrop; standard tablet.....	1, 602. 924
Reference mark, 180 ft. S. of tablet, on rock; chiseled mark.....	1, 603. 59
Thrifty, 4.0 mi. SE. of, in SE. corner of intersection of E.-W. private rd., in root of 18-in. oak tree; copper nail.....	1, 611. 07
Thrifty, 5.1 mi. SE. of, at Rocky Creek Church, 30 ft. W. of rd., 40 ft. N. of creek crossing, 60 ft. S. of fence corner, on stone outcrop; chiseled square.....	1, 531. 20
Thrifty, 6.2 mi. SE. of, 8.3 mi. NW. of post office at Brownwood, 35 ft. N. of center of sharp turn in rd., at junction of private rd. N. through red gate, in fence corner, in concrete post; standard tablet.....	1, 576. 969
Brownwood, 5.5 mi. NW. of, 280 ft. S. of Oak Grove School, on N. side of rd., 50 ft. from center line of rd., in root on W. side of 24-in. live-oak tree; copper nail.....	1, 564. 12
Brownwood, 5.1 mi. NW. of, 0.4 mi. E. of Oak Grove School, at summit of hill, 30 ft. S. of center line of rd., 2 ft. N. of fence corner, in stone outcrop; standard tablet.....	1, 564. 729
Brownwood, 4.1 mi. NW. of, 920 ft. NW. of creek crossing, 30 ft. E. of center line of rd., near stone fence corner, on limestone outcrop; chiseled square.....	1, 431. 38

From Coleman No. 2 quadrangle at point 7.6 miles southwest of Grosvenor along Coleman and Comanche road northeast to point 0.5 mile east of Grosvenor (by G. F. Williams in 1923)

	<i>Feet</i>
Grosvenor, 6.9 mi. SW. of, at summit of hill, 25 ft. N. of rd., in sandstone outcrop; standard tablet stamped "W 3 1923"-----	1, 566. 756
Grosvenor, 5.8 mi. SW. of, 50 ft. S. and 20 ft. W. from point where rd. turns sharply E., on W. side of rd., 15 ft. S. of fence intersection, on limestone boulder; chiseled square-----	1, 505. 35
Grosvenor, 4.7 mi. SW. of, near Brown-Coleman county line, at point where rd. turns sharply E., 15 ft. S. and 35 ft. E. from fence intersection, 60 ft. S. and 10 ft. E. from old cement well in front yard of farmhouse, on S. side of drainage ditch, on limestone rock; chiseled square-----	1, 493. 57
Jim Ned Creek, at Blackwells Crossing; surface of water Dec. 7, 1923--	1, 438. 5
Grosvenor, 3.6 mi. SW. of, 0.2 mi. NE. of Blackwells Crossing of Jim Ned Creek, 75 ft. S. and 20 ft. E. from point where rd. turns NE., 25 ft. S. of center line of field gate, 3 in. W. of fence line, in top of sandstone ledge; standard tablet stamped "Prim Trav Sta No 7 S 1923 Texas W 4"-----	1, 487. 637
Grosvenor, 2.4 mi. SW. of, on W. side of rd., 50 ft. E. of yard fence, in root on E. side of lone oak tree; copper nail and washer-----	1, 539. 56
Grosvenor, 1.7 mi. SW. of, in SE. corner of rd. junction, in root of lone oak tree used as corner fence post; copper nail-----	1, 553. 77
Grosvenor, 1.4 mi. W. of, 45 ft. S. of rd., at fence line, in root on N. side of 12-in. oak tree; copper nail and washer-----	1, 526. 46
Grosvenor, 400 ft. E. of post office, on S. bank of upper one of two water reservoirs, 50 ft. N. of rd., in sandstone boulder in place; standard tablet stamped "Prim Trav Sta No 8 S 1923 Texas W 5"--	1, 508. 600
Reference mark, 120 ft. W. of white church, 45 ft. N. of rd., on brown sandstone boulder; chiseled square-----	1, 504. 00

From point 1.8 miles northeast of Grosvenor along Coleman and Comanche road east and northeast to Brownwood and Cross Plains road, thence northwest to Byrds and May road, thence northeast to Blake-May road, thence northwest and north into Baird No. 4 quadrangle (by G. F. Williams in 1923-24; leveled twice from point 4 miles northeast of Grosvenor to Byrds)

Grosvenor, 2.8 mi. NE. of, on N. side of rd., at driveway to farm residence, 20 ft. N. E. of point where rd. turns sharply E., in root on E. side of 24-in. oak tree used as SE. corner of yard fence; copper nail and washer-----	1, 554. 91
Grosvenor, 3.9 mi. NE. of, at crossroads, on sandstone boulder; highest point-----	1, 534. 46
Grosvenor, 4.0 mi. NE. of, 300 ft. W. of point where rd. turns sharply SE., 20 ft. S. of rd., 10 ft. N. of fence line; chiseled square-----	1, 572. 54
Grosvenor, 5.0 mi. NE. of, 230 ft. E. of point where rd. enters oil field, on S. side of rd., 10 ft. N. of fence line, on N. end of white sandstone boulder, flush with ground; chiseled square-----	1, 556. 70
Grosvenor, 6.3 mi. NE. of, 2.4 mi. SW. of post office at Byrds, 600 ft. W. of point where rd. turns sharply N., 30 ft. N. and 6 ft. E. from NE. corner of farmhouse, in yard, 10 ft. S. and 15 ft. W. from NE. corner of fence, on limestone rock, flush with ground; chiseled square-----	1, 545. 21

374 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Byrds, 1.8 mi. SW. of, on N. side of Coleman and Comanche rd., 90 ft. N. and 110 ft. E. from right-angle turn in rd., 1,900 ft. SW. of office building of Stout Petroleum Co., 300 ft. W. of Fomby No. 1 oil derrick, on limestone boulder in place; standard tablet stamped "Prim Trav Sta No 9 S 1923 W 6"-----	Feet 1, 539. 720
Reference mark, on N. side of driveway to oil field, in root of mesquite tree; copper nail and washer-----	1, 539. 29
Byrds, 1.4 mi. SW. of, in bend in rd. to E., opposite Fomby Farm office of Stout Petroleum Co., at gate to feed lot, in root of 8-in. mesquite tree; copper nail and washer-----	1, 552. 57
Pecan Bayou, at bridge below Byrds; surface of water Dec. 27, 1923-----	1, 396. 1
Byrds, 150 ft. E. of post office, in SW. corner of yard of Windham School, 24 ft. NE. of corner gatepost, in sandstone outcrop; standard tablet stamped "Prim Trav Sta No 46 T 1923 Texas W 7"-----	1, 434. 319
Byrds, 0.8 mi. NW. of, at crossroads, on sandstone boulder; chiseled bench-----	1, 458. 70
Byrds, 1.4 mi. N. of, 0.6 mi. NE. of crossroads, 100 ft. E. of point where rd. turns SE., 15 ft. S. of rd., 3 ft. N. of fence line, on sandstone boulder; chiseled square-----	1, 477. 03
Byrds, 2.5 mi. NE. of, on N. side of rd., 15 ft. N. of fence line, inside fence, in root on N. side of 2-in. mesquite tree; copper nail and washer-----	1, 461. 03
Byrds, 2.8 mi. NE. of, about 9 mi. W. of May, 1,010 ft. N. of bend in rd. at farmhouse of T. J. Smith, on prominent hill, 16 ft. W. of center line of Byrds-May rd., 3.5 ft. inside fence line, in sandstone outcrop, flush with ground; standard tablet stamped "Prim Trav Sta No 45 T 1923 Texas W 8"-----	1, 530. 271
Reference mark, at point where rd. turns sharply NE., 40 ft. W. of center line of rd., 8 ft. NW. of three oak trees standing together, 3 ft. inside fence line, on limestone boulder, flush with ground; chiseled square-----	1, 533. 03
Byrds, 3.6 mi. NE. of, 15 ft. N. of Byrds-May rd., in fence line, in root on SW. side of 12-in. oak tree; copper nail and washer-----	1, 468. 28
Byrds, 6.1 mi. NE. of, 6.7 mi. W. of May, 900 ft. E. of iron bridge over Hog Creek, 45 ft. W. of point where rd. turns sharply NE., on N. side of rd., 30 ft. inside fence line, on sandstone boulder; chiseled bench-----	1, 508. 41
[Line jogs into Brownwood No. 2 quadrangle]	
Blake, 3.5 mi. SE. of, 300 ft. S. of point where rd. turns NW., on S. side of rd., inside fence line, on limestone rock; chiseled square---	1, 557. 51
From Byrds along Brownwood and Cross Plains road (Bell Plaine road) generally south and southeast into Brownwood No. 2 quadrangle (by G. F. Williams in 1924)	
Byrds, 0.4 mi. SE. of post office, at junction of rd. W., on W. side of rd., 12 ft. E. of old garage, on top of S. wing of concrete base of old Beacon Visible gasoline pump; chiseled square-----	1, 445. 82
Byrds, 1.4 mi. SE. of, on W. side of rd., at bend to NW., at base of prominent hill with large number of loose sandstone boulders nearby, 15 ft. outside fence line, on brown sandstone outcrop; chiseled bench-----	1, 416. 20
Byrds, 2.8 mi. SE. of, on S. side of rd., 20 ft. S. and 20 ft. W. from point where rd. turns sharply W., 5 ft. outside fence line, on limestone rock, flush with ground; chiseled bench-----	1, 441. 94

Byrds, 3.1 mi. S. of, about 400 ft. E. of prominent hill, 28 ft. W. of center line of Brownwood-Byrds rd., 5.5 ft. inside fence line, on property of D. S. Cox, in sandstone outcrop, near number of sandstone boulders along fence line; standard tablet stamped "Prim Trav Sta No 47 T 1923 Texas W 11"-----	Feet 1,439.159
Byrds, 4.4 mi. S. of, 15 ft. E. of rd. fork, on E. side of rd., in root on W. side of 8-in. live-oak tree; copper nail and washer-----	1,440.81
Byrds, 5.7 mi. SE. of, 1.1 mi. NW. of crossing of Jim Ned Creek, 130 ft. N. of point where rd. turns sharply E., 50 ft. W. of rd., at summit of hill, 25 ft. inside fence line, on limestone outcrop; chiseled bench-----	1,495.20
Byrds, 6.7 mi. SE. of, 853 ft. N. of Jim Ned Creek, about 500 ft. S. of residence of G. S. Bough, on E. side of rd., 2 ft. outside fence line, in sandstone outcrop; standard tablet stamped "Prim Trav Sta No 48 T 1923 Texas W 12"-----	1,386.048
Reference mark, 100 ft. NE. of tablet, 75 ft. E. of point where rd. turns sharply S., 20 ft. E. of pipe line, on limestone rock, flush with ground; chiseled bench-----	1,387.86
Jim Ned Creek; surface of water Jan. 15, 1924-----	1,349.4
Byrds, 8.0 mi. SE. of, 1.2 mi. S. of Jim Ned Creek, 20 ft. W. of turn SE. in rd., 15 ft. SE. of angle in fence line, 10 ft. outside fence line, on limestone rock, flush with ground; chiseled square-----	1,484.10

HASKELL NO. 2 QUADRANGLE

[Latitude 33°15'-33°30'; longitude 99°45'-100°00']

HASKELL, KING, KNOX, AND STONEWALL COUNTIES

From Rule quadrangle along roads north about 1 mile, thence generally west and back into Rule quadrangle at point near Haskell-Stonewall county line (by W. R. Broadus in 1925)

Rule, 5.2 mi. N. and 1.6 mi. E. from, 26 ft. E. of junction of T-rd. W., in concrete post; standard tablet stamped "B 26 1925" (recovered by E. R. Martin in same year)-----	1,626.888
Reference mark, 25 ft. S. and 150 ft. W. from rd. junction, in mesquite tree; copper nail and washer-----	1,626.67
Rule, 5.2 mi. N. and 0.4 mi. E. from, 90 ft. S. and 35 ft. E. from crossroads, in mesquite tree; copper nail and washer-----	1,633.46
Rule, 5.2 mi. N. and 0.5 mi. W. from, 200 ft. SE. of crossroads, 25 ft. SW. of SW. corner of church, in bench on N. side of mesquite tree; copper nail and washer-----	1,637.65
Rule, 5.2 mi. N. and 1.5 mi. W. from, 33 ft. S. and 16 ft. W. from crossroads, 3 ft. SW. of corner fence post, in concrete post; standard tablet stamped "B 27 1925"-----	1,634.292
Reference mark, 67 ft. S.60°W. of tablet, in root on E. side of large forked mesquite tree; copper nail and washer-----	1,633.95
Rule, 5.2 mi. N. and 2.5 mi. W. from, 60 ft. W. of junction of N.-S. rd., in fence line, in small mesquite tree; copper nail and washer--	1,636.20

[Line jogs into Rule quadrangle]

Rule, 5.0 mi. N. and 3.5 mi. W. from, 2.0 mi. S. of Judd, 0.5 mi. E. of Double Mountain Fork of Brazos River, 58 ft. SE. of residence of W. C. Holcomb, in concrete post; standard tablet stamped "B 28 1925"-----	1,509.770
Reference mark, 14 ft. W. of tablet, in E. side of 8-in. leaning mesquite tree; copper nail and washer-----	1,508.92

376 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Rule, 5.0 mi. N. and 4.7 mi. W. from, 2.0 mi. SW. of Judd, 0.3 mi. W. of Double Mountain Fork of Brazos River, on S. side of hill, 10 ft. NW. of junction of dim rd., in mesquite tree; copper nail and washer.....	Feet 1, 505. 81
From Peacock No. 1 quadrangle at point about 2 miles northeast of junction of Double Mountain Fork and Salt Fork of Brazos River along roads east and north to point 2.2 miles north and 1.5 miles west from Judd (by W. R. Broadhus in 1925; single spur line)	
Judd, 1.5 mi. W., thence 0.5 mi. S. from, 17 ft. N. and 12 ft. W. from crossroads, 3 ft. NE. of corner fence post, in concrete post; standard tablet stamped "B 38 1925".....	1, 524. 638
Reference mark, 27 ft. W. of tablet, 3 ft. NW. of fence corner; top of iron rod.....	1, 524. 41
Judd, 1.5 mi. W., thence 0.2 mi. N. from, 70 ft. N. and 50 ft. W. from junction of lane W., in mesquite tree; copper nail and washer.....	1, 536. 13
Judd, 1.5 mi. W., thence 1.0 mi. N. from, 10 ft. N. and 70 ft. E. from junction of T-rd. E., in bench on S. side of 6-in. mesquite tree; copper nail and washer.....	1, 542. 46
Judd, 1.5 mi. W., thence 1.5 mi. N. from, 150 ft. NW. of junction of T-rd. W., in front of residence of J. P. Tate, in top of N. end of concrete step; standard tablet stamped "B 39 1925".....	1, 539. 491
Reference mark, in front of Tate residence, on top of SE. corner of concrete porch; chiseled square.....	1, 540. 00
From Rule quadrangle northeast along State Highway 51 (present State Highway 16) into Benjamin No. 3 quadrangle (by E. R. Martin in 1925)	
Rule, 7.6 mi. NE. of, 2.5 mi. SW. of Rochester, on property of J. W. Blackwell, in NE. corner of yard, 37 ft. NE. of NE. corner of house, 61 ft. NE. of SE. corner of house, 50 ft. W. of center line of rd., in concrete post flush with ground; standard tablet stamped "M 49 1925".....	1, 606. 283
Reference mark, 37 ft. SW. of tablet, in corner of Blackwell residence, about 18 in. above ground; copper nail and washer.....	1, 607. 93
Rochester, on N. side of main street, 500 ft. W. of track of Kansas City, Mexico & Orient Ry., ⁹⁵ on property of T. H. Decker, in brick building, 17 in. from corner and 5 in. above pavement; standard tablet stamped "M 50 1925" (recovered by U. S. C. & G. S. in 1933).....	1, 595. 167
Reference mark, 52 ft. SW. of tablet, 6 in. SE. of NW. corner of street intersection, on concrete turning post; chiseled square.....	1, 595. 62
Rochester, 2.7 mi. N. of, 2.1 mi. S. of O'Brien, 600 ft. SW. of crossing of K. C. M. & O. Ry., 275 ft. W. of track, on S. side of house on E. D. Lambert estate, in E. side of concrete cistern, 1 ft. above ground; standard tablet stamped "M 51 1925" (recovered by U. S. C. & G. S. in 1933).....	1, 586. 532
Reference mark, 34 ft. W. of tablet, under windmill, on top of well curbing, 3 ft. above ground; chiseled square.....	1, 588. 72
O'Brien, on N. side of building owned by R. L. Gray, 2 ft. from front wall, in cement sill 7 in. below walk; standard tablet stamped "M 52 1925" ⁹⁶ (recovered by U. S. C. & G. S. in 1933).....	1, 572. 274
Reference mark, 27 ft. W. of tablet, on cement sill; chiseled square..	1, 572. 32
O'Brien, 2.4 mi. N. of, 0.7 mi. SW. of Knox City, at concrete bridge, on top of W. side of N. abutment; chiseled square.....	1, 530. 27

⁹⁵ Now the Panhandle & Santa Fe Ry.

⁹⁶ In January 1935 it was reported that the building had been razed but that the foundation was still in place.

	<i>Feet</i>
Knox City, on E. side of K. C. M. & O. Ry. sta., in S. side of signal tower, about 1 ft. above ground; copper nail and washer.....	1, 529. 90
Knox City, at water supply tower, in SW. corner of SW. pier of concrete foundation; standard tablet stamped "M 53 1925" (recovered by U. S. C. & G. S. in 1933).....	1, 534. 938
Reference mark, at water supply tower, on NW. concrete foundation pier; chiseled square.....	1, 534. 98
Knox City, 2.4 mi. N. of, at concrete bridge, in top of W. side of N. abutment; standard tablet stamped "M 54 1925" ⁹⁷ (recovered by U. S. C. & G. S. in 1933).....	1, 475. 794
Reference mark, on top of W. side of S. abutment of bridge; chiseled square.....	1, 475. 78
Knox City, 5.3 mi. N. of, on W. side of highway, in W. side of hackberry tree, 1 ft. above ground; rail spike.....	1, 398. 96
Knox City, 5.9 mi. N. of, 6.1 mi. S. of Benjamin, at steel bridge over Salt Fork of Brazos River, in top of W. side of S. abutment; standard tablet stamped "M 55 1925".....	1, 402. 126
Reference mark, in center of W. side of bridge, 1 ft. below floor, on top of pier; chiseled square.....	1, 401. 25

HASKELL NO. 4 QUADRANGLE

[Latitude 33°00'–33°15'; longitude 99°30'–99°45']

HASKELL COUNTY

From Rule quadrangle along roads east to Haskell, thence southwest and back into Rule quadrangle (by E. R. Martin in 1924–25)

Haskell, on S. side of Haskell County courthouse, on W. side of entrance, 3 ft. above ground; standard tablet stamped "M 34 1924" ⁹⁸ (recovered in 1937).....	1, 587. 863
Reference mark, 2.1 ft. W. of and 2.4 ft. higher than tablet, between wall and columns, in concrete; copper nail and washer (recovered in 1937).....	1, 587. 80
Haskell, in front of Wichita Valley Ry. waiting room; top of W. rail.....	1, 578. 1
Haskell, 4.0 mi. SW. of, on E. side of Haskell-Stamford rd., 64 ft. W. of NW. corner of dwelling of George Crouch, 6 ft. S. of high-power electric line pole; standard tablet stamped "M 35 1924".....	1, 525. 583
Reference mark, at NE. corner of dwelling, on top of cistern; chiseled cross.....	1, 528. 48

HENRIETTA NO. 1 QUADRANGLE

[Latitude 33°45'–34°00'; longitude 98°00'–98°15']

CLAY COUNTY

From Terral quadrangle west and southwest along Missouri-Kansas-Texas Railroad to Henrietta, thence southwest along Henrietta & Southwestern Railway and south along roads into Henrietta No. 4 quadrangle (by Roscoe Reeves in 1914)

Ringgold, 5.1 mi. NW. of, 800 ft. E. of Rosson Siding, 40 ft. S. of rd. crossing, in base of telephone pole; rail spike.....	922. 08
Rosson Siding, 0.9 mi. W. of, 3.1 mi. E. of Walton, 25 ft. SW. of wooden trestle 762.3, 10 ft. W. of telephone pole; iron post stamped "870".....	870. 455

⁹⁷ In January 1935 it was reported that this bench mark was destroyed when the highway bridge was widened.

⁹⁸ In 1931 this bench mark was reset on the east side of the entrance, between the wall and columns, in a stone ledge about 2 feet above floor level. The figures given represent the new elevation.

378 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Walton, opposite section house, at NE. corner of bunk house, in supporting sill; copper nail.....	Feet 866. 59
Walton, 50 ft. S. of rd. crossing, 130 ft. SE. of section house, 3 ft. W. of rd.; iron post stamped "866".....	866. 730
Walton, 4.2 mi. SW. of, 2.2 mi. NE. of Henrietta, 95 ft. SE. of rd. crossing, 10 ft. E. of telegraph pole; iron post stamped "854".....	854. 611
Henrietta, 80 ft. W. of sta., 10 ft. N. of siding; iron post stamped "891".....	892. 357
Henrietta, 2.3 mi. SW. of, 20 ft. SE. of track, in fence line N. of public rd.; iron post stamped "931".....	932. 032
From Henrietta northwest along Fort Worth & Denver City Railway into Henrietta No. 2 quadrangle (by Roscoe Reeves in 1914)	
Henrietta, 2.3 mi. NW. of, at E. end of small steel R. R. bridge, in top of S. top sill; copper nail.....	863. 45
Henrietta, 3.1 mi. NW. of, at mileage 98.82, 600 ft. W. of highway bridge, at F. W. & D. C. Ry. bridge over Little Wichita River, in N. end of W. concrete abutment; standard tablet stamped "857" (recovered by U. S. C. & G. S. in 1933 and stamped "K 133").....	856. 819
Reference mark, 600 ft. W. of highway bridge, on S. end of E. concrete support of R. R. bridge; chiseled cross.....	856. 79
From Waurika quadrangle generally southeast and south along roads by way of Riverland School and Stanfield ranch to point near Rosson Siding on Missouri-Kansas-Texas Railroad (by Roscoe Reeves in 1914)	
Petrolia, 8.2 mi. SE. of, 1.5 mi. W. of Riverland School, in NE. angle of crossroads, 8 ft. N. of corner fence post, in line with fence; iron post stamped "952".....	951. 807
Petrolia, 10.7 mi. SE. of, 1.0 mi. E. of Riverland School, at right-angle turn in rd., on E. side of rd. N., about 400 ft. SE. of house of Bob Love, in line with fences on N. side of rd. W. and E. side of rd. N.; iron post stamped "933".....	933. 238
[Line jogs into Terral quadrangle]	
Stanfield ranch house, 2.4 mi. SW. of, 50 ft. E. of rd., in root on SE. side of oak tree; copper nail.....	944. 86
Stanfield ranch house, 4.2 mi. SW. of, 6.7 mi. N. of Rosson Siding on M. K. T. R. R., 550 ft. NE. of Rock Crossing of Little Wichita River, 125 ft. NE. of crossing of small stream, on N. side of second-class rd. through Stanfield pasture, 4 ft. above elevation of rd., in sandstone ledge; standard tablet stamped "827".....	827. 186
Rosson Siding, 3.2 mi. N. of, 250 ft. S. of junction of T-rd. S., in yard of Bill Warren place, 15 ft. S. of yard gate; iron post stamped "910".....	910. 421
From Henrietta No. 4 quadrangle north along road near southeast corner of quadrangle and east across country into Terral quadrangle (by Roscoe Reeves in 1914)	
Ringgold, about 6 mi. S. and 4 mi. W. from, 0.5 mi. S. of schoolhouse, at NW. corner of junction of T-rd. W., 5 ft. W. of corner fence post; iron post stamped "1001".....	1, 001. 760

HENRIETTA NO. 2 QUADRANGLE

[Latitude 33°45'-34°00'; longitude 98°15'-98°30']

ARCHER, CLAY, AND WICHITA COUNTIES

From Henrietta No. 1 quadrangle northwest along Fort Worth & Denver City Railway and Missouri-Kansas-Texas Railroad to Wichita Falls (by Roscoe Reeves in 1914)

Henrietta, 4.8 mi. NW. of, 0.8 mi. NW. of Edwards, at small steel R. R. bridge, on S. end of W. concrete support; chiseled cross-----	Feet 868. 42
Henrietta, 6.0 mi. NW. of, 3.9 mi. SE. of Jolly, on S. side of F. W. & D. C. Ry. track, on W. edge of first concrete culvert E. of 10-ft. cut; chiseled cross-----	886. 26
Jolly, 3.5 mi. SE. of, at rd. crossing, 12 ft. S. of M. K. T. R. R. track, 6 ft. W. of rd., 2.5 ft. above elevation of rail, in sandstone ledge; standard tablet stamped "895"-----	895. 141
Jolly, 600 ft. NE. of sta., in NE. corner of junction of T-rd. N., in yard of section house, 5 ft. E. of corner fence post; iron post stamped "971" (recovered by U. S. C. & G. S. in 1933 and stamped "G 133")-----	970. 753
Jolly, opposite sta., at main track of M. K. T. R. R.; top of S. rail---	975. 5
Jolly, 3.3 mi. NW. of, 5.8 mi. SE. of Wichita Falls, between tracks of F. W. & D. C. Ry. and M. K. T. R. R., 15 ft. W. of crossing of second-class rd.; iron post stamped "987" (recovered by U. S. C. & G. S. in 1933 and stamped "E 133")-----	986. 661
Wichita Falls, at SW. corner of intersection of Ninth Street and Ohio Avenue, in post office building, 20 ft. SW. of SE. corner of building, in E. foundation wall, 2 ft. above sidewalk; standard tablet stamped "951" (recovered in 1916; recovered also by U. S. C. & G. S. in 1933 and stamped "Z 114")-----	951. 189
From Holliday quadrangle southeast along Missouri-Kansas-Texas Railroad in Wichita Falls (by Roscoe Reeves in 1914)	
Wichita Falls, 0.5 mi. NW. of, on county bridge over Big Wichita River, on W. end of N. pier; chiseled cross (recovered in 1915)----	952. 29
From Jolly north along road to Dan (formerly Dean), thence northeast along Wichita Valley Railway into Waurika quadrangle (by Roscoe Reeves in 1914)	
Jolly, 3.6 mi. N. of, 2.1 mi. S. of Dan, 600 ft. N. of farmhouse, in SW. angle of junction of T-rd. W., in fence corner; iron post stamped "970"-----	970. 032
Dan, 1.2 mi. NE. of, 150 ft. E. of crossing of public rd. and T-rd. E., 100 ft. S. of W. V. Ry. bridge A-10-22, in line with fence N. of rd. E.; iron post stamped "969"-----	968. 854
Dan, 5.2 mi. NE. of, 80 ft. N. of rd. crossing, on NE. side of rd., in fence line; iron post stamped "994" ⁹⁹ (recovered in 1928)-----	994. 381
From road crossing 5.2 miles northeast of Dan northeast along Wichita Valley Railway into Waurika quadrangle (by J. B. Leachman in 1928)	
Dan, 6.1 mi. NE. of, 2.1 mi. SW. of Petrolia, 100 ft. NW. of track, on NW. side of highway culvert; chiseled square-----	985. 39

⁹⁹ In 1924 this bench mark was moved 40 feet west of this position and reset 0.381 feet higher than its original elevation. The figures given represent the new elevation.

HENRIETTA NO. 4 QUADRANGLE

[Latitude 33°30'–33°45'; longitude 98°00'–98°15']

CLAY COUNTY

From Henrietta No. 1 quadrangle generally south and east along roads near north border of quadrangle and back into Henrietta No. 1 quadrangle (by Roscoe Reeves in 1914)

Henrietta, 4.2 mi. S. and 2.0 mi. W. from, 125 ft. S. of wooden bridge on Halsell rd., 40 ft. E. of rd., in sandstone ledge; standard tablet stamped "908"-----	Feet 908. 925
Henrietta, 4.5 mi. S. and 1.0 mi. E. from, in NE. angle of crossroads, 5 ft. N. of corner fence post; iron post stamped "926"-----	927. 614
Henrietta, 4.5 mi. S. and 4.0 mi. E. from, 0.8 mi. W. of Dickworsham, 1,000 ft. E. of farmhouse, 1,300 ft. W. of T-rd. junction, 170 ft. E. of crossing of small stream, 25 ft. N. of rd. W., in sandstone ledge; standard tablet stamped "911"-----	912. 609
Dickworsham, on Fort Worth & Denver City Ry., in yard of section house, 12 ft. NW. of NW. corner of house; iron post stamped "890" (recovered by U. S. C. & G. S. in 1933 and stamped "P 133")-----	891. 071
Dickworsham, opposite center of section house; top of E. rail of main track-----	891. 8

HOLLIDAY QUADRANGLE

[Latitude 33°45'–34°00'; longitude 98°30'–98°45']

ARCHER AND WICHITA COUNTIES

From Grandfield quadrangle southeast along Missouri-Kansas-Texas Railroad into Henrietta No. 2 quadrangle (by Roscoe Reeves in 1914)

Bacon, 2.2 mi. SE. of, 4.6 mi. NW. of Wichita Falls, on E. side of track, 40 ft. S. of corner post of N.-S. right-of-way fence line; iron post stamped "1026" (recovered by U. S. C. & G. S. in 1934)-----	1, 025. 598
Wichita Falls, 3.0 mi. NW. of, 100 ft. W. of rd. crossing, on S. side of rd., behind mail box of L. Knull; iron post stamped "965" ¹ -----	965. 351

From Grandfield quadrangle at point 1.5 miles west and 0.3 mile north from Everett School along roads south, east, and north and back into Grandfield quadrangle at point near Bacon (by C. R. Fisher in 1915)

Everett School, 0.5 mi. E. of, 2.2 mi. W. of Bacon, at crossroads, 7 ft. NE. of SW. corner fence post; iron post stamped "1028"-----	1, 028. 414
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From Mankins quadrangle southeast along Fort Worth & Denver City Railway into Henrietta No. 2 quadrangle (by C. R. Fisher in 1915)

Burk, 2.5 mi. SE. of, 3.0 mi. NW. of Iowa Park, at rd. crossing, 20 ft. W. of rd., in NW. corner of R. R. right-of-way; iron post stamped "1013" (recovered by U. S. C. & G. S. in 1933 and stamped "R 114")-----	1, 013. 371
Iowa Park, 0.5 mi. NW. of, 150 ft. N. of rd., at bridge over small creek, in S. end of E. concrete abutment; standard tablet stamped "1015" (recovered by U. S. C. & G. S. in 1933 and stamped "S 114")-----	1, 014. 893
Iowa Park, 25 ft. E. of SW. corner of store of Overby Troutman, 10 in. S. of S. wall, in concrete sidewalk; standard tablet stamped "1036" (recovered by U. S. C. & G. S. in 1933 and stamped "T 114")-----	1, 036. 573
Iowa Park, 3.2 mi. SE. of, 0.5 mi. NW. of Pleasant Valley School, 160 ft. W. of creek, 40 ft. N. of track, 120 ft. S. of rd.; iron post stamped "978" (recovered by U. S. C. & G. S. in 1933 and stamped "V 114")-----	978. 085

¹ In 1929 it was reported that this bench mark could not be found.

Iowa Park, 7.2 mi. SE. of, 4.5 mi. NW. of Wichita Falls, 360 ft. W. of square white house, 8 ft. S. of track, in E. end of concrete culvert over small creek; standard tablet stamped "966"-----	Fet 965. 929
From Henrietta No. 2 quadrangle at point in Wichita Falls southwest along Seymour road 7.5 miles, thence northwest and north across country and along roads by way of Cobb School to Deep Creek School, thence east and north to Iowa Park (by R. R. Monbeck in 1916; leveled twice)	
Wichita Falls, at corner of Ninth Street and Brook Avenue, 20 ft. W. of car tracks, on concrete curb; chiseled square-----	996. 85
Wichita Falls, at S. corner of Ninth and Grant Streets, on corner of concrete curb; chiseled square-----	1, 014. 55
Wichita Falls, 3.1 mi. SW. of post office, 250 ft. E. of house, 50 ft. S. of crossroads, 2 ft. S. of corner fence post; iron post stamped "1029" (recovered in 1926)-----	1, 029. 007
Wichita Falls, 4.0 mi. SW. of, at summit of ridge, 30 ft. N. of rd., at W. end of wire gate, at foot of brace to gatepost, on S. corner of sandstone; chiseled square-----	1, 038. 56
Wichita Falls, 4.8 mi. SW. of, 20 ft. S. of junction of rd. S., on S. end of culvert over ditch, on sandstone; chiseled square-----	1, 005. 76
Wichita Falls, 5.8 mi. SW. of, 50 ft. NW. of crossroads, 3 ft. NW. of corner fence post; iron post stamped "1023" (recovered in 1926)---	1, 022. 910
Wichita Falls, 6.8 mi. SW. of, at drain crossing, about 1,000 ft. W. of dwelling, at N. end of culvert, on edge of sandstone; chiseled square.	1, 010. 69
Wichita Falls, 2.6 mi. S. and 7.4 mi. W. from, about 1,100 ft. E. of NE. corner of cultivated field, at top of bluff, on W. edge of basin, 6 ft. N. of wire fence; on top of sandstone ledge; chiseled square-----	1, 005. 04
Wichita Falls, 2.5 mi. S. and 8.4 mi. W. from, 400 ft. S. of E.-W. wire fence, 75 ft. S. of group of three trees, on top of bluff, at E. edge of basin, on sandstone ledge; chiseled square-----	1, 031. 31
Wichita Falls, 2.5 mi. S. and 9.2 mi. W. from, 2.8 mi. SE. of Cobb School, on NW. slope of high grassy hill, 150 ft. W. of fence, 80 ft. N. of tree, in top of sandstone ledge; standard tablet stamped "1061"-----	1, 061. 337
Cobb School, 2.0 mi. SE. of, on NE. slope of grassy ridge, 60 ft. SW. of rd., in forks of mesquite tree; copper nail-----	1, 037. 81
Cobb School, 0.6 mi. E. of, 50 ft. SW. of rd., 400 ft. SE. of fence corner, on large sandstone boulder; chiseled square-----	986. 36
Cobb School, 1.5-mi. NW. of, 2.0 mi. S. of Deep Creek School, 75 ft. NW. of rd. fork, near E. end of steel bridge over Wichita River, in top of N. end of E. concrete pier; standard tablet stamped "984"---	984. 701
Deep Creek School, 300 ft. NW. of, 1.8 mi. S., thence 2.0 mi. W. from Iowa Park, in SW. angle of junction of E.-W. rd., 1 ft. from corner fence post; iron post stamped "1013"-----	1, 013. 283
Iowa Park, 1.8 mi. S., thence 1.0 mi. W. from, 50 ft. NW. of junction of T-rd. S., 300 ft. W. of residence of C. L. Neel, at foot of brace to corner post in fence line N., on rock; chiseled square-----	988. 17
From Deep Creek School southwest along roads into Mankins quadrangle (by R. R. Monbeck in 1916)	
Deep Creek School, 0.9 mi. SW. of, 2.0 mi. S. and 2.8 mi. W. from Iowa Park, 25 ft. S. of rd. and gate, 6 ft. S. of corner fence post, in base of mesquite tree; copper nail-----	1, 024. 61
Deep Creek School, 2.6 mi. SW. of, at junction of rd. S., 40 ft. W. of gate, beside fence post; top of N. corner of large rock-----	1, 058. 73

382 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From crossroads 3.1 miles southwest of Wichita Falls south along roads and
Wichita Falls & Southern Railway into Archer City quadrangle (by C. E.
Walker in 1926)

Wichita Falls, 4.3 mi. SW. of post office, on State Highway 79, on W. side of highway, 400 ft. N. of short jog, 22 ft. SW. of intersection of dim rd. to Wichita Truck Factory, in center of top of concrete head wall of culvert; chiseled square.....	Feet 981. 60
Wichita Falls, 5.0 mi. SW. of, 130 ft. SW. of crossing of Wichita Falls & Southern R.R., 62 ft. S. of corner of store, in fence corner, in concrete post; standard tablet stamped "WA 1 Tex 1926".....	979. 508
Reference mark, about 600 ft. S. of roundhouse, at rd. fork, 16 ft. E. of E. rail, on S. edge of pavement; chiseled square.....	980. 72"
Wichita Falls, 5.9 mi. SW. of, 1.1 mi. N. of entrance to Wichita Lake Park, 40 ft. NW. of junction of rd. W. to Rosemont Cemetery, 40 ft. N. of service sta. of E. S. Bellew, at fence corner, on corner of concrete retaining wall; chiseled square.....	973. 02
Wichita Lake Park, 450 ft. NE. of entrance, 260 ft. SW. of trestle, on S. side of rd., in concrete culvert; aluminum tablet stamped "WA 2 Tex 1926".....	964. 663
Reference mark, 250 ft. SW. of trestle, on N. side of rd., on extended culvert head wall; chiseled square.....	964. 94
Wichita Lake, at S. end of, at bend in rd., 65 ft. S. of entrance to farmhouse of Mrs. Maggie Finkler, in fence corner, in concrete post; standard tablet stamped "WA 3 Tex 1926".....	983. 040
Reference mark, about 100 ft. S. of entrance to farmhouse, on N. edge of small slough, in willow tree with triple trunk; copper nail and washer.....	982. 25
Wichita Lake, about 1.0 mi. S. of, 35 ft. SE. of junction of T-rd. N., about 250 ft. N. of farmhouse of Frank Block, in fence line; top of 2-in. pipe.....	1, 022. 37"
Wichita Lake, about 1.5 mi. S. of S. edge of, at angle in rd. to SW., 30 ft. E. of rd., in fence line, in concrete post; standard tablet stamped "WA 4 Tex 1926".....	1, 009. 251
Reference mark, about 300 ft. S. of fence corner, 30 ft. SE. of center line of rd., in fence line; top of 2-in. pipe.....	1, 008. 98
Wichita Lake, about 2 mi. S. of S. edge of, at S. corner of property of A. P. Nichols, at bend in rd. to S., 40 ft. N. of center line of rd., in small triangle at fence corner; top of 1-in. pipe with cap.....	1, 020. 86
Wichita Lake, about 4 mi. S. of S. edge of, 40 ft. S. of junction of T-rd. N., 175 ft. SE. of schoolhouse, in fence corner, in concrete post; standard tablet stamped "WA 5 Tex 1926".....	992. 141
Reference mark, 110 ft. N. of rd. junction, 120 ft. E. of schoolhouse, on E. side of rd., in fence line; top of 2-in. pipe.....	993. 48
From Archer City quadrangle along roads north to Holliday, thence alternately north and east to crossroads 5.8 miles southwest of Wichita Falls (by C. E. Walker in 1926)	
Dads Corner, 0.8 mi. N. of, 4.2 mi. S. of Holliday, 130 ft. N. of bridge, 20 ft. E. of rd., at slight angle, in NE. side of 10-in. elm tree; copper nail and washer.....	1, 019. 08
Holliday, 3.2 mi. S. of, 0.5 mi. S. of bridge over Holliday Creek, on E. side of rd., 135 ft. NW. of NW. corner of farmhouse, in fence corner, in concrete post; standard tablet stamped "WA 54 Tex 1926".....	1, 019. 408
Reference mark, 75 ft. N. of NW. corner of farmhouse, in NW. side of trunk of twin 8-in. mesquite tree; copper nail and washer.....	1, 021. 49

Holliday, 1.5 mi. S. of, at E. end of jog in rd., in line with T-rd. S., at center of S. side of property of J. J. Perkins, in fence line, in concrete post; standard tablet stamped "WA 55 Tex 1926"-----	Feet 1, 033. 592
Holliday, at W. entrance to schoolhouse, in N. end of bottom concrete step; standard tablet stamped "WA 56 Tex 1926" (recovered by U. S. C. & G. S. in 1934)-----	1, 061. 684
Reference mark, at entrance to school, on S. end of concrete step; chiseled square-----	1, 062. 09
Holliday, 410 ft. S. of Wichita Valley Ry. sta., 15 ft. SW. of SW. corner of store of Albert Fischer, on edge of curb; chiseled square-----	1, 055. 65
Holliday, 1.7 mi. N. of, 32 ft. N. and 30 ft. E. from rd. junction, on N. bank of rd., in concrete post; standard tablet stamped "WA 57 Tex 1926"-----	1, 052. 773
Reference mark, 32 ft. N. and 72 ft. E. from rd. junction, in bank, projecting 6 in. above ground; top of 1½-in. pipe-----	1, 053. 78
Holliday, 1.7 mi. N., thence 1.0 mi. E. from, on S. head wall of concrete culvert; chiseled square-----	1, 037. 31
Holliday, 1.7 mi. N., thence 1.3 mi. E. from, at irrigation canal, on S. head wall of concrete bridge; chiseled square-----	1, 035. 08
Holliday, 1.7 mi. N., thence 1.8 mi. E. from, 100 ft. W. of junction of second-class T-rd. S., in N. side of concrete floodgate bridge over irrigation ditch; standard tablet stamped "WA 58 Tex 1926"-----	1, 036. 849
Reference mark, on N. head wall of concrete culvert; chiseled square--	1, 031. 63
Wichita Falls, 8.9 mi. SW. of, at bridge over irrigation ditch, in top of SW. wing wall; standard tablet stamped "WA 59 Tex 1926"-----	1, 027. 469
Reference mark, at bridge over irrigation ditch, on NW. wing wall; chiseled square-----	1, 027. 25
Wichita Falls, 8.5 mi. SW. of, at irrigation ditch, on N. side of rd., in top of concrete end wall; copper bolt-----	1, 023. 561
Wichita Falls, 6.9 mi. SW. of, on S. side of rd., in concrete end wall of ditch; copper bolt (Irrigation B. M.)-----	1, 016. 734

From Mankins quadrangle northeast along Wichita Valley Railway to Holliday
(by C. E. Walker in 1926)

Mankins, 3.4 mi. NE. of, 40 ft. N. and 30 ft. W. from crossing, in line with telephone poles, in concrete post; standard tablet stamped "WA 107 Tex 1926"-----	1, 068. 829
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IVAN QUADRANGLE

[Latitude 32°45'-33°00'; longitude 98°30'-98°45']

PALO PINTO, STEPHENS, AND YOUNG COUNTIES

From Palo Pinto No. 3 quadrangle² at point near Brad along roads northwest and southwest 2.5 miles into Breckenridge No. 4 quadrangle (by E. O. Brooks in 1923-24)

Brad, 100 ft. N. and 50 ft. W. from post office, in NW. angle of junction of T-rd. N., 15 ft N. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "EB 4 1924" (recovered in 1937)-----	1, 206. 315
Reference mark, 160 ft. SE. of tablet, on S. side of rd., 20 ft. N. of right-of-way fence, on large flat rock; chiseled square-----	1, 203. 34

² This line cuts the northeast corner of Breckenridge No. 4 quadrangle but no bench marks were set in that portion of the line.

384 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From Pickwick quadrangle at point 3.8 miles west of Pickwick along roads generally west to Ivan, thence northwest 5.5 miles into Breckenridge No. 2 quadrangle (by S. R. Archer in 1923-24)

	<i>Feet</i>
Pickwick, 4.3 mi. W. of, 0.4 mi. E. of ranch house of W. D. Nicklas, 45 ft. S. and 20 ft. W. from gate in N.-S. fence line crossing rd., 35 ft. N. and 20 ft. W. from fence corner, on rock outcrop; chiseled square.....	1, 051. 43
Pickwick, 4.8 mi. W. of, on N. side of rd., 40 ft. S. and 75 ft. W. from SW. corner of ranch house of W. D. Nicklas, in SW. corner of yard, in fence corner; iron post stamped "A 8 1924".....	1, 066. 231
Reference mark, 180 ft. E. of iron post, on S. side of rd., 20 ft. S. and 60 ft. E. from SE. corner of house, in front of W. end of barn, in root on E. side of 10-in. oak tree; copper nail and washer.....	1, 065. 47
Pickwick, 5.3 mi. W. of, at crossing of N.-S. fence line, 20 ft. N. and 10 ft. W. from gate, on rock; chiseled square.....	1, 027. 19
Pickwick, 6.2 mi. W. of, 0.2 mi. S. of ford of Rock Creek, 0.2 mi. E. of gap in ridge, 50 ft. N. of angle to W. in rd., on E. side of rd., on large milestone marked "W 53 M"; chiseled square.....	1, 016. 72
Pickwick, 6.9 mi. W. of, 0.8 mi. S. of Fox Hollow School, 0.4 mi. W. of gap in ridge, 340 ft. E. of ford across Fox Hollow Creek, in NE. corner of crossroads, on rock outcrop; chiseled square.....	1, 001. 07
Pickwick, 8.0 mi. W. of, 3.8 mi. SE. of Sorghum Flats, at end of ridge from N., 40 ft. N. and 10 ft. E. from fence corner at NE. corner of large cultivated field, 30 ft. N. of rd., in line with E. side of old private rd. S. along E. side of field, in rock outcrop; standard tablet stamped "A 9 1924".....	1, 013. 483
Reference mark, 680 ft. E. of tablet, 0.2 mi. S. of ford of creek, 40 ft. N. and 90 ft. W. from rd. fork, on N. side of rd. W., on top of vertical slab of rock outcrop; chiseled square.....	994. 85
Sorghum Flats, 2.9 mi. SE. of, 0.5 mi. NE. of crossing of Palo Pinto-Stephens county line, 400 ft. NE. of bend to W. in rd., 300 ft. SW. of ford of creek, at summit of grade, on W. side of rd., in root on SE. side of easternmost of two 6-in. oak trees standing together; copper nail and washer.....	986. 46
Sorghum Flats, 1.9 mi. SE. of, 0.5 mi. NW. of crossing of Palo Pinto-Stephens county line, 250 ft. E. of ford of stream from N., 600 ft. W. of bend to SE. in rd. and Cedar Creek, on N. side of rd., 5 ft. S. of SE. corner of old deserted house, in root on N. side of forked 12-in. mesquite tree; copper nail and washer.....	969. 33
Sorghum Flats, 1.1 mi. SE. of, at summit of first rise on hill, 325 ft. W. of drain crossing, 675 ft. W. of gate in fence line, on N. side of rd., on rock outcrop; chiseled square.....	1, 044. 83
Sorghum Flats, 0.8 mi. SE. of, at summit of hill, 110 ft. SE. and 35 ft. NE. from intersection of Caddo-Oil City and Ivan-Pickwick rds., in rock outcrop; standard tablet stamped "A 10 1924".....	1, 069. 807
Reference mark, 75 ft. W. of tablet, 25 ft. E. of center of crossroads, on rock outcrop; chiseled square.....	1, 069. 01
Sorghum Flats, 150 ft. SE. of wagon ford of creek from N., on S. side of rd., on E. bank of creek, in root on NW. side of 12-in. elm tree; copper nail and washer.....	1, 002. 61
Sorghum Flats, 0.8 mi. SW. of, 0.5 mi. E. of ford of Veale Creek, 0.2 mi. W. of house on N. side of rd., 360 ft. E. of gate and private rd. S., at end of rocky spur ridge from N., on S. side of rd., in root 4 in. underground on N. side of 12-in. oak tree; copper nail and washer.....	1, 043. 58

	<i>Feet</i>
Sorghum Flats, 1.4 mi. SW. of, 200 ft. NE. of ford of Veale Creek, on N. side of rd., at angle to SE., at fence line, 8 ft. SE. of gate to field; iron post stamped "A/2 10 1924"-----	1, 018. 259
Reference mark, 180 ft. W. of iron post, 80 ft. N. of ford, 55 ft. E. of E. bank of creek, 50 ft. N. of rd., in root on SE. side of 12-in. elm tree; copper nail and washer-----	1, 016. 76
Sorghum Flats, 2.1 mi. SW. of, 6.1 mi. NE. of Ivan, at summit of hill on W. side of Veale Creek, 900 ft. E. of angle to SW. in rd., on N. side of rd., in root 4 in. underground on SE. side of 6-in. oak tree; copper nail and washer-----	1, 139. 34
Ivan, 5.2 mi. NE. of, at summit of hill, about 80 ft. S. and 150 ft. E. from junction of rd. SW., 80 ft. S. of point where old E.-W. rd. leaves top of ridge, 80 ft. N. of point where new rd. leaves top of ridge, in clump of oak trees, 20 ft. E. of blazed 6-in. oak tree, 28 ft. SE. of blazed 12-in. oak tree, in rock outcrop; standard tablet stamped "A 11 1924"-----	1, 187. 374
Ivan, 4.1 mi. NE. of, 35 ft. S. of cattle pit, 5 ft. W. of N.-S. fence line crossing rd., 20 ft. N. of gate, in root on N. side of 6-in. mesquite tree; copper nail and washer-----	1, 172. 12
Ivan, 3.4 mi. NE. of, on N. side of rd. at junction of rd. NW., 40 ft. N. and 40 ft. W. from cattle pit, 20 ft. N. and 40 ft. W. from gate, 40 ft. W. of N.-S. fence line, in foot of S. side of blazed 6-in. mesquite tree; top of iron pin driven horizontally-----	1, 163. 31
Ivan, 2.6 mi. NE. of, on W. side of N.-S. fence line crossing rd., 15 ft. S. of cattle pit, 35 ft. S. of gate; iron post stamped "A 12 1924"-----	1, 147. 409
Reference mark, 100 ft. N. of iron post, 65 ft. N. of gate, 85 ft. N. of cattle pit, 1 ft. W. of N.-S. fence line, on rock outcrop; chiseled square-----	1, 146. 59
Ivan, 1.8 mi. NE. of, 85 ft. N. and 200 ft. W. from gate and four-line fence corner at SE. corner of field inclosed by stone fence, 100 ft. N. of pipe line, in NW. part of thicket, in root on NE. side of 15-in. oak tree; copper nail and washer-----	1, 121. 42
Ivan, 0.6 mi. NE. of, 25 ft. S. of right-angle turn to S. in rd., on W. side of rd., at W. end of lane E., at NW. corner of field, in root on N. side of 6-in. mesquite tree; copper nail and washer-----	1, 125. 68
Ivan, 600 ft. N. of Main Street intersection, 170 ft. W. of State highway, 3 ft. N. and 45 ft. E. from SE. corner of residence owned by Mrs. V. Martin, on E. side of front yard, on S. side at E. end of concrete walk to front entrance, in concrete post; standard tablet stamped "A 13 1924"-----	1, 128. 420
Reference mark, 65 ft. N. and 200 ft. E. from tablet, 670 ft. N. of Main Street intersection, 110 ft. S. of highway bridge, on E. side of highway, in root 7 in. underground on NE. side of 15-in. mesquite tree; copper nail and washer-----	1, 120. 98
Ivan, 0.7 mi. N. of, 0.2 mi. N. of rd. fork, 25 ft. S. and 45 ft. W. from junction of T-rd. E. to highway, on W. side of N.-S. rd., inside fence, 25 ft. S. and 15 ft. W. from fence corner, in root 18 in. underground on SW. side of 8-in. oak tree marked with tin plate; copper nail and washer-----	1, 150. 22
Ivan, 1.4 mi. N., thence 0.4 mi. W. from, 55 ft. N. and 35 ft. E. from center of right-angle turn to N. in rd. and junction of rd. W., 20 ft. N. and 17 ft. E. from fence corner, in root on N. side of 6-in. mesquite tree; copper nail and washer-----	1, 212. 32

	<i>Feet</i>
Ivan, 2.5 mi. NW. of, on W. side of rd. at right-angle turn to N., in line with fence on N. side of rd. E., 27 ft. N. of fence corner; iron post stamped "A 14 1924"-----	1, 201. 866
Reference mark, 27 ft. S. of iron post, on S. side of rd. at turn, at fence corner, in root 6 in. underground on E. side of 15-in. mesquite tree used as corner fence post; copper nail and washer-----	1, 200. 47
Ivan, 3.3 mi. NW. of, 4.0 mi. SE. of Eliasville, 0.2 mi. N. of right-angle turn to N. in rd., on W. side of rd. at point where telephone line leaves rd. and runs W., on N. side of private rd. W., opposite and 170 ft. N. of house on E. side of rd., 5 ft. N. of fence corner, in fence line, in root on S. side of 12-in. mesquite tree; copper nail and washer-----	1, 171. 68
Eliasville, 2.8 mi. SE. of, at angle to NE. in rd., 0.2 mi. N. of house on E. side of rd., in fence line on W. side of rd., 120 ft. N. of fence corner, on N. side of gate in fence line, in root on E. side of 6-in. oak tree used as N. post of gate; copper nail and washer-----	1, 157. 41
Eliasville, 1.8 mi. SE. of, 20 ft. S. and 25 ft. E. from S. end of bridge over creek, on E. side of rd., 70 ft. N. of private rd. E., in large rock, 6 in. S. and 3 ft. E. from NW. corner of top; standard tablet stamped "A 15 1924"-----	1, 117. 373
From Brad along roads generally northwest and north to road junction 0.8 mile southeast of Sorghum Flats (by C. E. Walker in 1924)	
Brad, 1.0 mi. NW. of, 25 ft. N. of center line of rd. to Set ranch, 0.3 mi. W. of creek crossing, on rock outcrop; chiseled square-----	1, 251. 13
Brad, 2.3 mi. NW. of, 20 ft. S. of center line of rd., 150 ft. E. of farmhouse of Charles Couger, in root on N. side of 36-in. post-oak tree with two forks; copper nail and washer-----	1, 391. 43
Brad, 3.4 mi. NW. of, 50 ft. W. of center line of rd., 175 ft. E. of farmhouse of Fitch Hamilton, in NE. corner of cultivated field, in fence corner, in concrete post; standard tablet stamped "WA 8 Tex 1924"-----	1, 339. 876
Reference mark, 30 ft. W. of center line of rd., about 200 ft. E. of farmhouse, in root on W. side of 5-in. elm tree; copper nail and washer-----	1, 337. 84
Brad, 4.4 mi. NW. of, about 0.2 mi. from gate between pastures, 75 ft. N. of center line of rd., in root on S. side of 12-in. leaning mesquite tree; copper nail and washer-----	1, 268. 40
Brad, 5.4 mi. NW. of, about 0.7 mi. SE. of crossing of Caddo Creek, at top of prairie before descent into Caddo Bottoms, 42 ft. S. of center line of rd., in root on NW. side of 4-in. mesquite tree; copper nail and washer-----	1, 217. 57
Brad, 6.6 mi. NW. of, about 1 mi. SE. of Set ranch house, about 0.5 mi. NW. of crossing of Caddo Creek, 35 ft. SW. of center line of rd.; iron post stamped "WA 9 Tex 1924"-----	1, 032. 203
Reference mark, 35 ft. SW. of center line of rd., in root on NE. side of 6-in. mesquite tree; copper nail and washer-----	1, 031. 24
Brad, 7.8 mi. NW. of, about 400 ft. S. of Set ranch house, 35 ft. E. of center line of rd., in root on E. side of large live-oak tree with two forks; copper nail and washer-----	1, 037. 83
Brad, 8.4 mi. NW. of, about 0.2 mi. due S. of group of four oil wells on top of mountain, at foot of mountain, about 960 ft. SW. of lone oil well at head of valley, 30 ft. N. of center line of rd., in root on E. side of 4-in. mesquite tree; copper nail and washer-----	1, 110. 24

Brad, 9.5 mi. NW. of, about 2 mi. S. of ranch house of Jap Hughes, in line with lone oil well and group of four oil wells, 15 ft. S. of E.-W. rd., 30 ft. W. of N.-S. rd., in concrete post; standard tablet stamped "WA 10 Tex 1924"-----	<i>Feet</i> 1, 237. 236
Reference mark, about 0.5 mi. W. of Tom Corbitt lease, on W. side of rd., in line with oil wells, in root on S. side of blazed 12-in. mesquite tree; copper nail and washer-----	1, 236. 92
Brad, 10.3 mi. NW. of, about 1 mi. S. of Hughes ranch house, about 1 mi. due N. of Tom Corbitt lease, about 650 ft. E. of rd., in root on N. side of lone live-oak tree; copper nail and washer-----	1, 200. 17
Brad, 11.2 mi. NW. of, about 600 ft. W. of Hughes ranch house, about 0.2 mi. W. of triangulation sta. on mountain, 60 ft. E. of center line of rd., in root on NE. side of 6-in. blazed mesquite tree; copper nail and washer-----	1, 203. 32
Brad, 12.2 mi. NW. of, 0.8 mi. SE., thence 2.9 mi. S. from Sorghum Flats, 20 ft. N. of center line of rd., in flint outcrop; standard tablet stamped "WA 11 Tex 1924"-----	1, 160. 065
Reference mark, 100 ft. N. of center line of rd., on flint outcrop; chiseled square-----	1, 161. 69
Sorghum Flats, 0.8 mi. SE., thence 1.8 mi. S. from, 25 ft. W. of center line of rd., in grove of live-oak trees, in root on SE. side of blazed 9-in. tree; copper nail and washer-----	1, 107. 00
Sorghum Flats, 0.8 mi. SE., thence 1.0 mi. S. from, about 1 mi. SE. of Sorghum Flats School, on top of mountain, 20 ft. E. of center line of rd., in root on E. side of blazed 8-in. elm tree; copper nail and washer-----	1, 072. 62
From Breckenridge No. 4 quadrangle at point about 3 miles northeast of Caddo northeast along roads to road junction 9.5 miles northwest of Brad (by E. O. Brooks in 1924)	
Caddo, 3.1 mi. NE. of, at foot of mountain, 700 ft. E. of gate, 10 ft. N. of rd., in large boulder; standard tablet stamped "EB 8 1924"-----	1, 235. 540
Reference mark, 7 ft. N. and 10 ft. W. from tablet, on large boulder; chiseled square-----	1, 236. 00
Caddo, 4.1 mi. NE. of, 40 ft. S. and 20 ft. E. from center of junction of T-rd. N., on rock outcrop; chiseled square-----	1, 214. 21
Caddo, 5.1 mi. NE. of, 0.2 mi. S. of ranch house, 220 ft. E. of gate, 15 ft. N. of rd., in root on NW. side of 4-in. mesquite tree; copper nail and washer-----	1, 190. 65
Caddo, 6.1 mi. NE. of, 0.7 mi. NE. of ranch house of J. T. Hamil, 50 ft. S. of rd., in pasture, on large boulder; chiseled square-----	1, 216. 12
Caddo, 7.0 mi. NE. of, on point of bridge, at foot of mountain, 20 ft. N. of rd., in large boulder; standard tablet stamped "EB 9 1924"-----	1, 260. 826
Reference mark, 20 ft. S. and 70 ft. W. from tablet, on large boulder; chiseled square-----	1, 259. 36
Caddo, 8.0 mi. NE. of, in low saddle, 2 ft. E. of rd., on large flat rock; chiseled square-----	1, 287. 06
Caddo, 9.1 mi. NE. of, on S. edge of prairie, 600 ft. NE. of junction of rd. NW., 20 ft. E. of rd., in root on W. side of 6-in. oak tree; copper nail and washer-----	1, 260. 40
Caddo, 10.1 mi. NE. of, about 300 ft. S. of small drain, 190 ft. N. of crossroads, 35 ft. E. of rd., on stone; chiseled square-----	1, 211. 60

From road junction 0.8 mile southeast of Sorghum Flats along roads northeast and north 3.8 miles, thence west and northwest into Graham quadrangle at point in South Bend (by W. A. Shumate and H. P. Kilby in 1924; section northwest of Duff Prairie School releveled by S. R. Archer in same year)

Sorghum Flats, 0.8 mi. SE., thence 1.0 mi. NE. from, 3.3 mi. E., thence 2.8 mi. S. from Duff Prairie School, on W. side of rd. N., in root on E. side of 10-in. live-oak tree; copper nail and washer.....	Feet 1, 109. 50
Duff Prairie School, 3.3 mi. E., thence 1.8 mi. S. from, 1,220 ft. N. of farmhouse, on E. side of rd., on rock outcrop; chiseled square.....	1, 096. 41
Duff Prairie School, 3.3 mi. E., thence 1.2 mi. S. from, 30 ft. N. of rd., 300 ft. E. of right-angle turn to N., 10 ft. N. of E.-W. fence, in rock outcrop; standard tablet stamped "S 6 1924".....	1, 153. 800
Reference mark, on N. side of rd., 360 ft. E. of bend to N., on rock outcrop; chiseled square.....	1, 149. 62
Duff Prairie School, 3.3 mi. E., thence 0.3 mi. S. from, 0.3 mi. S. of entrance to Caudill ranch, on E. side of rd., 6 ft. W. of E. right-of-way fence, on rock outcrop; chiseled square.....	1, 243. 50
Duff Prairie School, 3.3 mi. E. of, in NW. angle of crossroads, at N. gatepost, on rock outcrop; chiseled square.....	1, 233. 43
Duff Prairie School, 2.8 mi. E. of, on S. side of rd., 170 ft. W. of Caudill ranch house, in root on N. side of 18-in. mesquite tree; copper nail and washer.....	1, 236. 70
Duff Prairie School, 2.1 mi. E. of, on N. side of rd., in line with rd. SW., 40 ft. W. of N.-S. fence, in root of 6-in. mesquite tree; copper nail and washer.....	1, 215. 76
Duff Prairie School, 1.8 mi. E. of, 0.3 mi. W. of N.-S. fence, on S. side of rd., in rock outcrop; standard tablet stamped "S 7 1924".....	1, 198. 734
Reference mark, on S. side of rd., on rock outcrop; chiseled square....	1, 199. 67
Duff Prairie School, 1.0 mi. E. of, on N. side of rd., in line with rd. NE., in root of 10-in. mesquite tree; copper nail and washer.....	1, 166. 68
Duff Prairie School, at S. entrance of, on lower step; chiseled square..	1, 154. 42
Duff Prairie School, 1.0 mi. NW. of, 5.0 mi. SE. of South Bend, on W. side of rd., 100 ft. E. of house, in root on E. side of 40-in. oak tree; copper nail and washer.....	1, 119. 79
Duff Prairie School, 1.2 mi. NW. of, 60 ft. S. of Stephens-Young county-line rd., on E. side of rd., in rock outcrop; standard tablet stamped "S 8 1924".....	1, 107. 221
South Bend, 4.4 mi. SE. of, 120 ft. N. of entrance to ranch of Walter Corbett, on E. side of rd. at turn to N., on rock outcrop; chiseled square.....	1, 099. 53
South Bend, 3.9 mi. SE. of, at crossroads, on rock outcrop; chiseled square.....	1, 064. 56
South Bend, 3.3 mi. SE. of, on W. side of rd., 125 ft. N. of E.-W. fence, on rock outcrop; chiseled square.....	1, 064. 70
South Bend, 2.3 mi. SE. of, on E. bank of Spring Branch, 60 ft. N. of rd., in rock outcrop; standard tablet stamped "S 9 1924".....	1, 053. 606
Reference mark, on W. bank of branch, on N. side of rd., on rock outcrop; chiseled square.....	1, 054. 21

From Brad along roads north and northeast about 1 mile into Pickwick quadrangle (by W. A. Shumate in 1924)

Brad, 0.7 mi. NE. of, on SE. edge of meandering rd. NE., in root on E. side of 60-in. cedar tree; copper nail and washer.....	1, 211. 60
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From Pickwick quadrangle at point south of Bluff Creek along roads west 0.8 mile, thence generally north and northwest to crossroads 0.8 mile south of Fox Hollow School (by W. A. Shumate in 1924)

	<i>Feet</i>
Brad, 9.0 mi. by route N. of, 8.6 mi. SE. of Fox Hollow School, about 1.3 mi. NE. of old Jolly house, on E. side of rd., 150 ft. S. of bend to NW.; iron post stamped "S 3 1924"-----	1, 129. 216
Reference mark, 35 ft. E. of post, in connecting root of three 10-in. mesquite trees; copper nail and washer-----	1, 127. 86
Fox Hollow School, 7.6 mi. SE. of, on N. side of rd., in connecting root of two 10-in. mesquite trees; copper nail and washer-----	1, 088. 86
Fox Hollow School, 6.9-mi. SE. of, on N. side of rd., 60 ft. W. of division fence between Set and Boydston ranches, in root on N. side of 12-in. mesquite tree; copper nail and washer-----	1, 022. 50
Fox Hollow School, 5.3 mi. SE. of, on E. side of rd., 10 ft. N. of Long Hollow Branch, in large boulder; standard tablet stamped "S 4 1924" ³ -----	935. 142
Reference mark, 120 ft. N. of tablet, 120 ft. S. of Bee Branch, in center of rd. N., near W. end of rock; chiseled square-----	934. 25
Fox Hollow School, 2.8 mi. S. of, on N. side of rd., 150 ft. S. of Cedar Creek, in NE. corner of strip of timber, on solid rock; chiseled square-----	927. 01
Cedar Creek; surface of water Jan. 16, 1924 (very low)-----	910. 7
Fox Hollow School, 2.3 mi. S. of, 240 ft. N. of Cedar Creek, on E. side of rd., 2 ft. from fence; iron post stamped "S 5 1924"-----	4 930. 189

From Pickwick quadrangle at point south of Long Bend of Brazos River along road northwest by way of Ming Bend School into Graham quadrangle at point west of Salem Bend of Brazos River (by I. F. Hazelwood in 1924)

Wild Bend Crossing of Brazos River, 4.6 mi. SW. of, 1.3 mi. SE. of Ming Bend School, 50 ft. NW. of creek, 50 ft. NE. of rd., in root of 30-in. post-oak tree; copper nail and washer-----	978. 30
Ming Bend School, 0.5 mi. SE. of, 60 ft. SW. of junction of rd. SW., in root of 6-in. mesquite tree; copper nail and washer-----	1, 090. 75
Ming Bend School, 1.3 mi. S. of Herron, 70 ft. NE. of junction of rd. N., in root of 14-in. mesquite tree; copper nail and washer-----	1, 070. 68
Ming Bend School, 0.7 mi. W. of, 65 ft. N. of junction of T-rd. SW., in concrete post; standard tablet stamped "H 11 1924"-----	1, 150. 682
Reference mark, 75 ft. W. of rd. junction, in root of 13-in. post-oak tree; copper nail and washer-----	1, 151. 92
Ming Bend School, 1.9 mi. NW. of, 2.9 mi. SE. of Oil City, 210 ft. E. of junction of rd. NE., 20 ft. S. of rd., in root of 15-in. post-oak tree; copper nail and washer-----	1, 055. 54
Oil City, 2.1 mi. E. of, 20 ft. W. of rd., in root of 20-in. white-oak tree; copper nail and washer-----	1, 004. 61
Oil City, 1.7 mi. E. of, at junction of rd. W., in root of 8-in. oak tree; copper nail and washer-----	1, 063. 51

³ In 1939 it was reported that this bench mark would be submerged by the Possum Kingdom Dam.

⁴ These figures of elevation may be 1 foot too high; a local error makes the elevation uncertain.

JACKSBORO NO. 3 QUADRANGLE

[Latitude 33°00'–33°15'; longitude 98°15'–98°30']

JACK, PALO PINTO, AND YOUNG COUNTIES

From Mineral Wells quadrangle at point about 0.7 mile northwest of Christian alternately northwest and southwest along roads and Jack-Palo Pinto county line by way of Finis and Henry Chapel School into Graham quadrangle at point about 4.4 miles northwest of Henry Chapel School (by Basil Tuttle in 1923–24)

Christian, 1.6 mi. NW. of, at summit of ridge, about 60 ft. E. of T-fence W., on rock; chiseled square.....	Feet 1, 138. 57
Christian, 3.0 mi. NW. of, along fence line, about 20 ft. N. of junction of T-fence E., in bottom crotch between two 4-in. mesquite trees; copper nail and washer.....	1, 120. 69
Christian, 4.0 mi. NW. of, at point where pasture rd. passes through board gate, about 15 ft. E. of gate, in concrete post; standard tablet stamped "T 7 1923".....	1, 090. 459
Reference mark 1, 40 ft. SE. of gate, on stone; chiseled square.....	1, 090. 00
Reference mark 2, 40 ft. NE. of gate, in root on W. side of mesquite tree; copper nail and washer.....	1, 090. 00
Christian, 4.0 mi. NW. of, 100 ft. NE. of rd. junction, in root on W. side of 8-in. mesquite tree; copper nail and washer.....	1, 064. 98
Christian, 6.1 mi. NW. of, along Jack-Palo Pinto county line, 1,000 ft. W. of summit of ridge, on county-line post 14; chiseled square.....	1, 329. 44
Christian, 7.2 mi. W. of, 60 ft. W. of point where county line crosses N.-S. fence line, 1,500 ft. N. of branding corral of T. Rogers, on stone; chiseled square.....	1, 266. 61
Christian, 8.7 mi. W. of, 4.1 mi. SE. of Finis, about 360 ft. N. of point where old Finis rd. crosses county line, 3 ft. NW. of V-fence corner, on rock outcrop; standard tablet stamped "T 8 1923".....	1, 221. 158
Reference mark 1, 60 ft. S. of fence corner, 70 ft. S. of point where rd. angles to W., on stone; chiseled square.....	1, 221. 30
Reference mark 2, 70 ft. N. of fence corner, in crotch of twin 4-in. mesquite tree; copper nail and washer.....	1, 222. 25
Finis, 2.9 mi. along second-class rd. SE. of, 1.0 mi. N. of county line, 100 ft. E. of gate through N.-S. fence line, in root on W. side of 4-in. mesquite tree; copper nail and washer.....	1, 168. 81
Finis, 1.9 mi. SE. of, 1.0 mi. N. of county line, 60 ft. W. of center of turn to N. in rd.; 300 ft. N. of deserted ranch house, 100 ft. N. of gate in fence line, in root on E. side of 4-in. mesquite tree; copper nail and washer.....	1, 148. 59
Finis, 0.8 mi. E. of, 300 ft. NE. of ranch house of Tom Humphrey, in root on S. side of 30-in. live-oak tree; copper nail and washer.....	1, 117. 27
Finis, 0.2 mi. E. of store at, about 100 ft. SW. of rd. junction, in root on S. side of 8-in. burr-oak tree; copper nail and washer.....	1, 047. 63
Finis, 500 ft. W. of store, on N. side of rd., 60 ft. S. of house, 1 ft. S. of 8-in. oak tree, in rock outcrop; standard tablet stamped "T 9 1923".....	1, 066. 963
Finis, 1.6 mi. SW. of, along Graham rd., about 60 ft. N. of junction of T-rd. S., in root on S. side of 4-in. mesquite tree; copper nail and washer.....	1, 150. 79
Finis, 2.4 mi. SW. of, 1.4 mi. NE. of Henry Chapel School, 100 ft. NW. of junction of T-rd. W., in crotch of double mesquite tree; copper nail and washer.....	1, 148. 46

⁶ This line cuts the southwest corner of Jacksboro No. 4 quadrangle but no bench marks were set in that portion of the line.

[Line jogs into Pickwick quadrangle]

	<i>Feet</i>
Henry Chapel School, 1.6 mi. NW. of, about 20 ft. N. of junction of rd. S., on rock outcrop; chiseled square-----	1, 054. 89
Henry Chapel School, 2.5 mi. NW. of, about 40 ft. N. of 45° angle to SW. in rd., 4 ft. S. of fence corner, in concrete post; standard tablet stamped "T 11 1924"-----	1, 060. 968
Reference mark, 60 ft. N. of angle in rd., 20 ft. E. of fence corner, in root on W. side of mesquite tree; copper nail and washer-----	1, 061. 17
Henry Chapel School, 3.4 mi. NW. of, 40 ft. N. of ford over Commers Creek, on sandstone outcrop; chiseled square-----	1, 024. 37

JUNCTION QUADRANGLE

[Latitude 30°15'-30°30'; longitude 99°45'-100°00']

EDWARDS, KERR, AND KIMBLE COUNTIES

From Segovia No. 3 quadrangle along Junction road (State Highway 29) north-east to Junction (by E. E. Harris in 1924-25)

Telegraph, 6.8 mi. SW. of post office at, on S. side of angle in rd., 120 ft. E. of gate in fence line crossing rd., 30 ft. E. of pasture gate, in root on N. side of 12-in. mesquite tree; copper nail and washer-----	1, 911. 03
Telegraph, 5.8 mi. SW. of, on N. side of rd., 300 ft. W. of bank of South Fork of Llano River, in root on S. side of large leaning pecan tree; copper nail and washer-----	1, 882. 62
Telegraph, 5.0 mi. SW. of, 300 ft. N. of wash, 50 ft. W. of rd., in root on W. side of 24-in. live-oak tree; copper nail and washer-----	1, 888. 60
Telegraph, 4.0 mi. SW. of, on W. side of rd., 50 ft. S. of L-angle in fence line, 1 ft. E. of fence line, in concrete post; standard tablet stamped "H 88 1924" and "Prim Trav Sta No 15 Texas 1925" (recovered by U. S. C. & G. S. in 1931)-----	1, 876. 512
Reference mark, 135.3 ft. S. of tablet, in root on E. side of 8-in. mesquite tree; copper nail and washer-----	1, 875. 27
Telegraph, 2.9 mi. S. of, in NW. corner of junction of rd. W. to ranch house, on W. bank of river, in root on E. side of 30-in. live-oak tree; copper nail and washer-----	1, 868. 55
Telegraph, 1.9 mi. S. of, on E. side of rd., on S. bank of river, at ford, in root on S. side of 15-in. pecan tree; copper nail and washer-----	1, 846. 14
Telegraph, 0.9 mi. S. of, on W. side of rd., 400 ft. N. of lane E. to ranch house, in root on E. side of prominent live-oak tree; copper nail and washer-----	1, 850. 99
Telegraph, 500 ft. S. of post office, on W. side of rd., 60 ft. N. of rd. W. through gate, in SW. corner of T-angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "H 89 1924" and "Prim Trav Sta No 14 Texas 1925" (recovered by U. S. C. & G. S. in 1931)-----	1, 859. 379
Reference mark, 42.3 ft. S.15°E. of tablet, in root on W. side of 8-in. mesquite tree; copper nail and washer-----	1, 859. 32
Telegraph, 1.4 mi. NE. of, 350 ft. N. of ford, on E. side of rd., in angle, in root on W. side of 20-in. pecan tree; copper nail and washer-----	1, 827. 48
Telegraph, 2.5 mi. NE. of, on E. side of rd., on N. side of private lane SE., 200 ft. N. of Evergreen School, in L-angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "H 90 1924" and "Prim Trav Sta No 13 Texas 1925" (recovered by U. S. C. & G. S. in 1931) ^a -----	1, 827. 240

^a In 1926 this bench mark was moved 16 feet south and 50 feet east from this position and reset 0.397 feet higher than its original elevation. The figures given represent the new elevation.

392 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Reference mark, 210.3 ft. S.25°W. of tablet, in root on W. side of 12-in. mesquite tree; copper nail and washer-----	1, 828. 61
Telegraph, 3.6 mi. NE. of, on W. side of rd., 100 ft. S. of rd. W. through gate, in clump of live-oak trees, in root on E. side of 12-in. tree; copper nail and washer-----	1, 814. 65
Telegraph, 4.2 mi. NE. of, on W. side of angle in rd., opposite ranch house on hillside, at N. side of gate, in root on E. side of 20-in. pecan tree; copper nail and washer-----	1, 795. 46
Telegraph, 5.0 mi. NE. of, on W. side of angle in rd., across rd. from cattle pens, in root on W. side of 15-in. live-oak tree; copper nail and washer-----	1, 801. 06
Telegraph, 6.5 mi. NE. of, 9.7 mi. SW. of Kimble County courthouse at Junction, on N. side of angle in rd., 500 ft. E. of Ten Mile Crossing of South Fork of Llano River, 30 ft. E. of private lane SW. through gate, 2 ft. N. of fence line, in concrete post; standard tablet stamped "H 91 1924" and "Prim Trav Sta No 12 Texas 1925" (recovered by U. S. C. & G. S. in 1931)-----	1, 780. 623
Reference mark, 123.5 ft. S.20°W. of tablet, in root on N. side of 15-in. pecan tree; copper nail and washer-----	1, 777. 79
Junction, 8.8 mi. SW. of, on S. side of rd., 30 ft. W. of rd. S. through gate, 5 ft. S. of fence line, in root on S. side of small mesquite tree; copper nail and washer-----	1, 841. 44
Junction, 7.9 mi. SW. of, on W. side of rd., 30 ft. W. of fence line, 100 ft. S. of cross lane, in root on W. side of 12-in. mesquite tree; copper nail and washer-----	1, 795. 17
Junction, 7.1 mi. SW. of, on W. side of rd., 30 ft. N. of rd. W. through gate, in root on E. side of 15-in. pecan tree; copper nail and washer--	1, 756. 54
Junction, 6.3 mi. SW. of, on W. side of rd., 30 ft. N. of rd. W. through gate, 2 ft. W. of fence line, in concrete post; standard tablet stamped "H 92 1924" (recovered by U. S. C. & G. S. in 1931)-----	1, 760. 685
Reference mark, 74 ft. S.25°W. of tablet, in root on W. side of 6-in. mesquite tree; copper nail and washer-----	1, 762. 41
Junction, 5.5 mi. SW. of, on W. side of rd., 25 ft. W. of fence line, 50 ft. N. of private lane W. through gate, in root on S. side of 10-in. Spanish-oak tree; copper nail and washer-----	1, 765. 84
Junction, 4.7 mi. SW. of, on N. side of rd., just W. of point of cliff, 80 ft. E. of milepost "Junction 5 miles," in root on E. side of 36-in. pecan tree; copper nail and washer-----	1, 726. 88
Junction, 3.8 mi. SW. of, on N. side of rd., 70 ft. E. of culvert, 300 ft. W. of milepost "Junction 4 miles," 50 ft. W. of gate in fence line, in root on S. side of small live-oak tree; copper nail and washer-----	1, 757. 98
Junction, 2.9 mi. SW. of, at summit of grade, 100 ft. S. of milepost "Junction 3 miles," on E. side of rd., in E. head wall of concrete culvert; standard tablet stamped "H 93 1924" and "Prim Trav Sta No 10 Texas 1925" (recovered by U. S. C. & G. S. in 1931)----	1, 757. 099
Reference mark, 46 ft. S. of tablet, in root on E. side of 8-in. oak tree; copper nail and washer-----	1, 757. 86
Junction, 2.0 mi. SW. of, on N. side of rd., at mouth of hollow, just W. of dwelling, 300 ft. W. of milepost "Junction 2 miles," in root on N. side of 12-in. mesquite tree; copper nail and washer-----	1, 728. 91
Junction, 1.1 mi. SW. of, at milepost "Junction 1 mile," in SE. corner of junction of T-rd. S., 100 ft. W. of sharp turn in main rd., in root on N. side of 10-in. mesquite tree; copper nail and washer-----	1, 722. 69

Junction, in NE. corner of schoolyard, at SW. corner of junction of T-rd. S., in concrete post; standard tablet stamped "H 94 1924" and "Prim Trav Sta No 9 Texas 1925" (recovered by U. S. C. & G. S. in 1935).....	Feet 1, 720. 538
Reference mark, 62.4 ft. S.45°E. of tablet, in crotch of mesquite tree; copper nail and washer.....	1, 720. 19
Junction, 100 ft. NE. of NE. corner of Kimble County courthouse, between hedge and iron railing around yard, in concrete post; standard tablet stamped "H 95 1924" and "Prim Trav Sta No 32 Texas 1925" (recovered by U. S. C. & G. S. in 1935).....	1, 709. 974
Reference mark, 228.1 ft. S.30°W. of tablet, in root on E. side of 12-in. mulberry tree; copper nail and washer.....	1, 709. 89
Junction, in W. face of courthouse, on S. side of entrance, set vertically; standard tablet stamped "Prim Trav Sta No 8 T 1925 H 244".....	1, 712. 524

From Telegraph along roads generally west and northwest to Company ranch, thence north 3 miles, thence east to point 5 miles northeast of Telegraph (by E. E. Harris in 1924)

Telegraph, 0.7 mi. W. of, at summit of grade, 650 ft. E. of gate in fence line crossing rd., on S. side of rd., on rock ledge; chiseled square.....	2, 052. 95
Telegraph, 1.6 mi. W. of, on W. side of angle in rd., in root on S. side of 10-in. cedar tree; copper nail and washer.....	2, 056. 84
Telegraph, 2.0 mi. W. of, on N. side of rd., at rd. fork, in rock outcrop; standard tablet stamped "H 108 1924".....	2, 084. 765
Reference mark, 26.5 ft. S. of tablet, in root on N. side of 6-in. live-oak tree; copper nail and washer.....	2, 086. 44
Telegraph, 3.0 mi. W. of, 60 ft. E. of gate in fence line crossing rd., on N. side of rd., in root on W. side of 10-in. mesquite tree; copper nail and washer.....	2, 003. 43
Telegraph, 4.0 mi. W. of, on N. side of junction of old rd., 500 ft. E. of L-angle in fence line S. of rd., on flat boulder; chiseled square.....	2, 044. 40
Telegraph, 4.3 mi. W. of, 6.6 mi. SE. of Company ranch headquarters, 25 ft. S. and 25 ft. W. from dim crossroads, 300 ft. S. of old Terry ranch house, in concrete post; standard tablet stamped "H 109 1924".....	2, 052. 503
Reference mark, 70.6 ft. N.65°E. of tablet, in root on N. side of 12-in. cedar tree; copper nail and washer.....	2, 053. 28
Company ranch headquarters, 5.6 mi. SE. of, 1.0 mi. NW. of old Terry ranch house, on S. side of rd., 500 ft. W. of small drain, in root on E. side of 6-in. mesquite tree; copper nail and washer.....	2, 072. 36
Company ranch headquarters, 4.5 mi. SE. of, 40 ft. W. of rd., 50 ft. S. of drain, in root on N. side of 4-in. mesquite tree; copper nail and washer.....	2, 149. 61
Company ranch headquarters, 3.5 mi. SE. of, 50 ft. W. of rd., 7 ft. N. of fence line, 40 ft. S. of stone water tank, in top of large rock ledge; standard tablet stamped "H 110 1924".....	2, 185. 319
Reference mark, 124.5 ft. S.65°E. of tablet, in crotch of oak tree; copper nail and washer.....	2, 183. 68

[Line jogs into Rock Springs No. 1 quadrangle]

Hasima ranch, 0.7 mi. E. of, 100 ft. N. of rd., in root on S. side of 10-in. live-oak tree; copper nail and washer.....	2, 172. 61
Hasima ranch, 1.25 mi. E. of, 20 ft. E. of gate in fence line crossing rd., 40 ft. N. of rd., in root on E. side of large cedar tree; copper nail and washer.....	2, 205. 27

394 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Hasima ranch, 2.0 mi. E. of, 70 ft. from Y-junction of rd., in boulder; standard tablet stamped "H 113 1924"-----	Feet 2, 180. 245
Hasima ranch, 3.0 mi. E. of, on S. side of rd., on top of large rock ledge; chiseled square-----	2, 174. 88
Hasima ranch, 4.0 mi. E. of, on S. side of rd., on top of large rock ledge; chiseled square-----	2, 130. 48
Hasima ranch, 5.1 mi. E. of, on S. side of rd., in root on S. side of small cedar tree; copper nail and washer-----	2, 088. 37
Hasima ranch, 5.6 mi. E. of, 2 ft. W. of fence line crossing rd., on S. side of rd., in concrete post; standard tablet stamped "H 114 1924"-----	2, 031. 204
Reference mark, 50.1 ft. N.70°W. of tablet, on top of prominent rock ledge; chiseled square-----	2, 032. 94
Hasima ranch, 6.3 mi. E. of, 150 ft. E. of rd. fork, just S. of ford, on E. side of rd., on W. bank of Bailey Creek, in root on N. side of 30-in. pecan tree; copper nail and washer-----	1, 881. 83
Hasima ranch, 7.4 mi. E. of, 5.0 mi. NE., thence 0.8 mi. W. from telegraph, 70 ft. from Y-junction of rd., in concrete post; standard tablet stamped "H 115 1924"-----	1, 810. 432
Reference mark, 98 ft. N.35°W. of tablet, in root on N. side of 12-in. cedar tree; copper nail and washer-----	1, 811. 39
From State Highway 29 at point 8.8 miles southwest of Junction along road southeast and east 0.9 mile (by Crawford Dickey in 1924; single spur line)	
Junction, 8.8 mi. SW., thence 0.9 mi. SE. from, 200 ft. SE. of creek crossing, 3 ft. S. of rd., in root of 10-in. triple pecan tree; copper nail and washer-----	1, 759. 31
From Segovia No. 1 quadrangle along roads northwest and north 3 miles, thence west 0.6 mile to Kimble County courthouse in Junction (by Crawford Dickey in 1924; releveled by E. E. Harris in 1925)	
Junction, 4.0 mi. S. of, 6.3 mi. N. of Beasley ranch house, on E. side of Cedar Creek, on W. side of rd., 40 ft. NW. of field fence, in root of 10-in. cedar tree; copper nail and washer-----	1, 761. 00
Junction, 2.5 mi. S. of, about 0.25 mi. E. of Schnider ranch, on W. side of rd., in root of 6-in. mesquite tree; copper nail and washer-----	1, 754. 81
Junction, 0.6 mi. E. of, in NW. corner of junction of T-rd. W.; at E. end of highway bridge over South Fork of Llano River, in root on S. side of 16-in. pecan tree; copper nail and washer-----	1, 696. 26
From Menard No. 3 quadrangle along road (old State Highway 27) southwest and west across northwest corner of quadrangle into Rock Springs No. 1 quadrangle (by W. A. Fisher in 1925)	
Junction, 14.6 mi. W. of, 400 ft. W. of church, 60 ft. N. of rd., in root of small mesquite tree; copper nail-----	1, 908. 98
Junction, 15.5 mi. W. of, 60 ft. S. of rd., in crotch of large triple white-oak tree; copper nail-----	1, 866. 97

KERRVILLE NO. 1 QUADRANGLE

[Latitude 30°15'-30°30'; longitude 99°00'-99°15']

GILLESPIE COUNTY

From Fredericksburg quadrangle at point about 8 miles west of Fredericksburg west along Fredericksburg-Harper road into Kerrville No. 2 quadrangle at point near Harper (by Crawford Dickey in 1923-24; releveled by E. E. Harris in 1925)

Fredericksburg, 8.2 mi. W. of, on S. side of rd., at junction of field rd. S. through gate, in root of 24-in. oak tree; copper nail and washer-----	1, 892. 83
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	<i>Feet</i>
Fredericksburg, 9.4 mi. W. of, on S. side of rd., at summit of hill, in woods, in root of 10-in. oak tree; copper nail and washer.....	2, 078. 38
Fredericksburg, 10.1 mi. W. of, on N. side of rd., at summit of hill, in limestone ledge; standard tablet stamped "D 3 1923".....	2, 063. 400
Reference mark, on rock, 5.3 ft. W. of tablet; chiseled square.....	2, 062. 86
Fredericksburg, 11.4 mi. W. of, on N. side of main rd., at summit of hill, in root of 6-in. oak tree; copper nail and washer.....	2, 001. 48
Fredericksburg, 12.2 mi. W. of, 100 ft. W. of creek, on N. side of rd., in root of 12-in. oak tree; copper nail and washer.....	1, 884. 16
Fredericksburg, 13.3 mi. W. of, on S. side of rd., 1,000 ft. W. of junction of second-class rd. N. through gate, in rock ledge; standard tablet stamped "D 4 1923".....	2, 019. 355
Reference mark, 16.25 ft. N.10°E. of tablet, on rock; chiseled square.....	2, 018. 66
Fredericksburg, 14.3 mi. W. of, 70 ft. NW. of center of crossroads, in root of 6-in. oak tree; copper nail and washer.....	2, 101. 83
Fredericksburg, 15.4 mi. W. of, at junction of T-rd. S., on S. side of main rd., opposite dipping vat, in root of 6-in. oak tree; copper nail and washer.....	2, 041. 34
Fredericksburg, 16.6 mi. W. of, 7.3 mi. E. of schoolhouse at Harper, 250 ft. SW. of dance hall, on N. side of rd., 2 ft. N. of wire fence, in concrete post; standard tablet stamped "D 5 1923".....	2, 178. 879
Reference mark, 15.5 ft. W. of tablet, in root of 10-in. oak tree; copper nail and washer.....	2, 178. 23
Harper, 6.2 mi. E. of, in NW. angle of junction of T-rd. N. through gate, in root of 10-in. oak tree; copper nail and washer.....	2, 080. 62
Harper, 5.0 mi. E. of, on N. side of rd., 8 ft. S. of wire fence, on rock; chiseled square.....	2, 042. 07
Harper, 3.8 mi. E. of, on N. side of rd., 150 ft. W. of corner of field, in concrete post; standard tablet stamped "D 6 1923".....	2, 090. 554
Reference mark, 24 ft. E. of tablet, in root of 20-in. oak tree; copper nail and washer.....	2, 090. 28
Harper, 2.7 mi. E. of, 500 ft. W. of white house, on N. side of rd., inside wire fence, in root of 26-in. oak tree; copper nail and washer.....	2, 089. 23
Harper, 1.6 mi. E. of, on S. side of rd., about 600 ft. NW. of white house, in root of 16-in. oak tree; copper nail and washer.....	2, 088. 08
Harper, 0.6 mi. E. of, 100 ft. E. of drain, about 800 ft. NW. of white house, on N. side of rd., in woods, in root of 20-in. oak tree; copper nail and washer.....	2, 041. 67

KERRVILLE NO. 2 QUADRANGLE

[Latitude 30°15'-30°30'; longitude 99°15'-99°30']

GILLESPIE, KERR, AND KIMBLE COUNTIES

From Kerrville No. 1 quadrangle at point near Harper generally west along roads into Segovia No. 1 quadrangle at point about 20 miles west of Harper (by Crawford Dickey in 1924; releveled by E. E. Harris in 1925)

Harper, about 300 ft. S. of schoolhouse, 75 ft. SW. of rd. junction, 20 ft. N. of gate, 2 ft. N. of fence, in concrete post; standard tablet stamped "D 7 1924".....	2, 056. 813
Reference mark, 65 ft. N.60°W. of tablet, in root of 16-in. oak tree; copper nail and washer.....	2, 055. 90
Harper, 1.3 mi. W. of, on N. side of main Harper-Junction rd., 40 ft. W. of rd. N. through gate, in root of 10-in. oak tree; copper nail and washer.....	2, 046. 11

396 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	Feet
Harper, 2.6 mi. W. of, on N. side of rd., 150 ft. W. of rd. to house of F. Rischner, in root of 10-in. oak tree; copper nail and washer	2, 062. 33
Harper, 3.7 mi. W. of, on N. side of rd., 200 ft. W. of angle in rd., 2 ft. W. of wire fence, in concrete post; standard tablet stamped "D 8 1924"	2, 093. 254
Reference mark, 17.8 ft. N.60°E. of tablet, in root of 20-in. oak tree; copper nail and washer	2, 091. 68
Harper, 4.8 mi. W. of, about 0.5 mi. W. of county-line school, 100 ft. W. of rd. fork, on N. side of rd., in root of 24-in. oak tree; copper nail and washer	2, 139. 43
Harper, 5.9 mi. W. of, 0.25 mi. W. of mail box of Otto Fritz, on N. side of rd., in root of 6-in. oak tree; copper nail and washer	2, 230. 04
Harper, 6.7 mi. W. of, about 0.25 mi. E. of Flat Rock School, on W. side of divide, along old roadway, 30 ft. SW. of rd., in rock; standard tablet stamped "D 9 1924"	2, 250. 782
Reference mark, 11 ft. S.30°W. of tablet, on rock; chiseled square	2, 249. 62
Harper, 7.9 mi. W. of, about 0.5 mi. W. of Harper-Junction rd., on N. side of second-class rd., in root of 28-in. oak tree; copper nail and washer	2, 179. 04
Harper, 9.0 mi. W. of, 250 ft. E. of ranch house of Henry Totches, on N. side of rd., in root of 16-in. oak tree; copper nail and washer	2, 072. 93
Harper, 10.1 mi. W. of, 1.1 mi. W. of Totches ranch house, at summit of hill, on N. side of rd., on Red Hole ranch, in limestone ledge; standard tablet stamped "D 10 1924"	2, 126. 920
Reference mark, 150 ft. N.60°E. of tablet, on rock; chiseled square	2, 131. 51
Harper, 11.0 mi. W. of, on W. side of Devils River, 100 ft. SW. of ford, in root of 10-in. oak tree; copper nail and washer ⁷	1, 965. 88
Harper, 11.0 mi. W. of, 300 ft. SW. of Devils River ford, in hackberry tree; copper nail and washer ⁸	1, 965. 67
Harper, 12.5 mi. W. of, on ranch of Chester Stapps, 1.5 mi. W. of Devils River, on S. side of rd., at rd. fork, in drain, in root of 8-in. mesquite tree; copper nail and washer	2, 065. 83
Harper, 13.0 mi. W. of, about 500 ft. E. of house of Chester Stapps, 30 ft. E. of rd. fork, 10 ft. S. of rd., in rock ledge; standard tablet stamped "D 11 1924"	2, 183. 540
Reference mark, 15 ft. W. of tablet, on rock; chiseled square	2, 183. 88
Harper, 14.4 mi. W. of, 200 ft. SE. of ranch house of Charles G. Montgomery, 8 ft. W. of wire fence, in root of 4-in. oak tree; copper nail and washer	2, 194. 56
Harper, 15.9 mi. W. of, 1.5 mi. SW. of Montgomery ranch house, about 300 ft. N. of windmill, on E. side of rd., in concrete post; standard tablet stamped "D 12 1924"	2, 173. 762
Reference mark, 24.5 ft. S.30°E. of tablet, in root of 20-in. oak tree; copper nail and washer	2, 172. 70
Harper, 17.0 mi. W. of, on N. side of rd., in root of 14-in. oak tree; copper nail and washer	2, 208. 12
Harper, 18.2 mi. W. of, about 300 ft. S. of ranch house, on E. side of rd., in root of 8-in. oak tree; copper nail and washer	2, 223. 10
Harper, 19.1 mi. W. of, at rd. fork, 15 ft. S. of gate, 30 ft. N. of Junction-Kerrville rd., 2 ft. W. of wire fence, in concrete post; standard tablet stamped "D 13 1924"	2, 165. 355

⁷ Established by Crawford Dickey in 1924.

⁸ Established by E. E. Harris in 1925.

Reference mark, 73.65 ft. N.20°E. of tablet, in root of 4-in. oak tree; copper nail and washer..... 2, 164. 98 Feet

KILLEEN QUADRANGLE

[Latitude 31°00'-31°15'; longitude 97°30'-97°45']

BELL AND CORYELL COUNTIES

From Belton quadrangle northwest along Dog Ridge road 0.5 mile, thence along roads and trails generally north along east border of quadrangle to Leon River, thence east and back into Belton quadrangle (by E. E. Harris in 1923)

Belton, 3.2 mi. along Dog Ridge rd. SW. of, about 1 mi. E. of Mitchell School, on S. side of rd., 100 ft. W. of T-rd. S., in fence line, in root on E. side of forked chinaberry tree; copper nail and washer..... 671. 63

Mitchell School, 0.5 mi. E. of, on N. side of Dog Ridge rd., on E. side of lane N. through gate, on boulder; chiseled square..... 707. 49

Mitchell School, 0.5 mi. E., thence 0.6 mi. N. from, on N. side of rd., at base of gatepost, on boulder; chiseled square..... 670. 29

Mitchell School, 0.5 mi. E., thence 1.0 mi. N. from, about 3 mi. W. of Belton, on N. side of Killeen rd., at junction of lane SW. of dwelling, in rock ledge; standard tablet stamped "Prim Trav Sta No 12 T Texas 1923 H 12"⁹..... 663. 009

Reference mark, 80.4 ft. S. of tablet, in root on E. side of 18-in. oak tree; copper nail and washer..... 661. 23

Belton, 3.6 mi. along Killeen rd. W. of, 0.25 mi. W., thence 1.3 mi. S. from Stone Siding, 100 ft. NW. of sharp turn in rd., on W. side of second-class rd. N. through gate, in fence line, on large square boulder; chiseled square..... 637. 65

Stone Siding, 0.25 mi. W. of, on N. side of Gulf, Colorado & Santa Fe Ry. track, in W. end of guard rail of trestle 229-B; top of iron bolt..... 605. 25

Stone Siding, 0.5 mi. N. of, 3.5 mi. along upper Killeen rd. NW. of Belton, 0.25 mi. E. of Wiltonville School, on N. side of rd., 100 ft. SW. of old stone mansion, in angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 10 C Texas 1923 H 13"¹⁰..... 615. 110

Reference mark, 53.4 ft. N.75°E. of tablet, in root on S. side of 18-in. live-oak tree; copper nail and washer..... 619. 94

Stone siding, 1.5 mi. N. of, on N. side of angle in old trail, at SE. corner of cellar of deserted shack, on top of rock ledge; chiseled square..... 678. 51

From point on Gulf, Colorado & Santa Fe Railway 2.2 miles east of Nolanville along railroad west to Nolanville, thence along roads west 1.2 miles, thence generally south and southeast to Union Grove School, thence generally east and southeast into Taylor No. 2 quadrangle¹¹ (by F. L. Shalibo in 1923)

U. S. C. & G. S. B. M. designated "P 4"..... 666. 416

Nolanville, at SE. corner of post office building, in concrete walk; standard tablet stamped "S 1 Texas 1923"..... 704. 497

Reference mark, 150 ft. S. of tablet, in root on E. side of SE. oak tree; copper nail..... 699. 31

⁹ In 1936 this bench mark was reported destroyed.

¹⁰ In 1936 this bench mark was reported to be slightly battered.

¹¹ No marks were established in that portion of the line which crosses the northeast corner of Georgetown No. 1 quadrangle.

398 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Nolanville, 1.2 mi. W., thence 0.6 mi. S. from, at jog in rd., 100 ft. S. of T-rd. E., 150 ft. N. of junction of T-rd. W., 40 ft. E. of rd., in front of farmhouse, in root on W. side of oak tree; copper nail	Feet 782. 24
Nolanville, 1.2 mi. W., thence 1.7 mi. S. from, in NW. corner of rd. junction, 20 ft. W. of wooden bridge, 3 ft. W. of fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 24 Texas 1923 S 2"	760. 329
Reference mark, 4 ft. E. of tablet, in fence line, in root on E. side of small tree; copper nail	761. 64
Nolanville, 1.2 mi. W., thence 2.5 mi. S. from, in Comanche Gap, 50 ft. S. of junction of second-class T-rd. W., on W. side of main rd., on small rock; chiseled square	719. 11
Nolanville, 1.2 mi. W., thence 3.3 mi. S. from, 100 ft. S. of junction of rd. W., 1 ft. S. of fence line, in root of 8-in. tree; copper nail	688. 71
Nolanville, 1.2 mi. W., thence 3.8 mi. S. from, 2.9 mi. NW. of Union Grove School, in SW. angle of junction of rd. S., 65 ft. from junction, 33 ft. from E.-W. rd., 4 ft. from fence, in concrete post; standard tablet stamped "Prim Trav Sta No 4 Texas 1923 S 3"	685. 450
Reference mark, 4 ft. W. of tablet, in fence line, in root of small cedar tree; copper nail	686. 32
Union Grove School, 1.8 mi. NW. of, 600 ft. SE. of farmhouse, 50 ft. SW. of junction of rd. S., on W. side of rd., in root of 16-in. oak tree; copper nail	604. 51
Union Grove School, 0.9 mi. NW. of, 60 ft. N. of intersection of second-class rd., 30 ft. N. of fence line, in root of large oak tree; copper nail	577. 74
Union Grove School, 6 ft. W. of SW. corner of, in concrete post; standard tablet stamped "Prim Trav Sta No 3 Texas 1923 S 4"	703. 149
Reference mark, 50 ft. SW. of post, in root on E. side of clump of cedar trees; copper nail	701. 99
[Line jogs into Georgetown No. 1 quadrangle]	
Keyes Valley School, about 0.5 mi. S. of, 0.7 mi. S., thence 0.7 mi. W. from Barker Crossing, on S. bank of Lampasas River, on top of cliff, at right-angle turn in woods rd., on E. side of rd., on small boulder; chiseled square	739. 86
Barker Crossing of Lampasas River, 0.7 mi. S. of, 100 ft. W. of residence of W. Boyd, in root of large oak tree; copper nail	592. 19
[Line jogs into Georgetown No. 1 quadrangle]	
Lampasas River bridge, 2.9 mi. W. of, at residence of J. B. Birdsong, in yard, in SE. fence corner, 20 ft. from porch, in concrete post; standard tablet stamped "Prim Trav Sta No 1 Texas 1923 S 6"	680. 598
Reference mark, 35 ft. E. of tablet, in root of large tree; copper nail	679. 27
Lampasas River bridge, 1.9 mi. W. of, at end of gravel pike, at junction of T-rd. S., 50 ft. N. of junction of rd. W., in SE. corner of rd. E., in fence corner, in root of tree; copper nail	638. 83
Lampasas River bridge, 1.2 mi. W. of, at jog in E.-W. rd., in SW. corner of N.-S. rd., 3 ft. S. of fence corner, in root of tree; copper nail	590. 03

KILLEEN QUADRANGLE

399

From Nolanville along roads generally northwest to Round Prairie, thence northeast 2.1 miles, thence southeast to point 0.25 mile east of Wiltonville School (by F. L. Shalibo in 1923)

	<i>Feet</i>
Nolanville, 0.9 mi. NE. of, at junction of E.-W. rd., on E. side of rd., 60 ft. S. of E.-W. rd., on concrete base of signpost; chiseled square-----	756. 61
Nolanville, 1.8 mi. NW. of, 100 ft. N. and 40 ft. E. from junction of second-class rd. N., in root of large tree; copper nail-----	776. 37
Nolanville, 2.4 mi. NW. of, in NE. corner of junction of rd. N. to Round Prairie, 100 ft. N. of Nolanville-Killeen rd., 60 ft. E. of rd. N., in rock ledge; standard tablet stamped "Prim Trav Sta No 5 C 1923 S 7"-----	771. 510
Reference mark, 30 ft. S. of tablet, on same ledge of rock; chiseled square-----	771. 70
Nolanville, 2.4 mi. NW., thence 0.9 mi. N. from, in NW. corner of crossing of field rd., 1 ft. W. of fence, in root of tree; copper nail--	809. 01
Nolanville, 2.4 mi. NW., thence 2.3 mi. N. from, 0.8 mi. SE. of Round Prairie, on E. side of road., opposite residence, near SW. corner of barn, in root of large tree; copper nail-----	915. 29
Round Prairie, 2.4 mi. NW., thence 3.1 mi. N. from Nolanville, 8 ft. E. of residence of J. H. Cowan, in concrete post; standard tablet stamped "Prim Trav Sta No 6 C Texas 1923 S 8"-----	939. 392
Reference mark, 60 ft. NE. of tablet, in center of rd. fork, in root of small tree; copper nail-----	939. 58
Round Prairie, 1.1 mi. NE. of, 2.3 mi. SE., thence 1.0 mi. W. from Brookhaven, 1.0 mi. W. of Brookhaven-Belton rd., 400 ft. S. of old house, 20 ft. E. of rd., in root of large tree; copper nail-----	882. 82
Brookhaven, 2.3 mi. SE. of, 3.4 mi. NW. of Phoenix School, at junction of lane S., 65 ft. along fence from gate across lane, 16 ft. W. of corner fence post, 10 ft. NW. of fence angling W., in concrete post; standard tablet stamped "Prim Trav Sta No 7 C Texas 1923 S 9"-----	833. 809
Reference mark, 30 ft. S. of tablet, in fence line, in root of small cedar tree; copper nail-----	832. 55
Phoenix School, 2.4 mi. NE. of, in SW. corner of junction of field rd. S., opposite house, in root on S. side of large mesquite tree; copper nail-----	799. 23
Phoenix School, 1.5 mi. NW. of, in NW. corner of junction of T-rd. NE., 400 ft. W. of house, in root on S. side of oak tree; copper nail-----	780. 87
Phoenix School, 0.6 mi. NW. of, 140 ft. NE. of junction of rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 8 C Texas 1923 S 10" ¹² -----	766. 739
Reference mark, 40 ft. E. of tablet, in root on SW. side of large oak tree; copper nail-----	767. 28
Phoenix School, 0.3 mi. SE. of, 1.6 mi. S. of Sparta, 250 ft. E. of residence of P. H. Hallmark, in NW. corner of junction of rd. N., in root of small oak tree; copper nail-----	738. 27
Phoenix School, 1.2 mi. SE. of, 125 ft. SW. of residence of S. B. White, 30 ft. N. of rd., in root on SW. side of oak tree; copper nail-----	719. 46
Phoenix School, 2.0 mi. SE. of, 2.5 mi. along Sparta rd. SE. of Sparta, 3.2 mi. NW. of Wiltonville School, 80 ft. E. of rd. intersection, 30 ft. NE. of abandoned store, in concrete post; standard tablet stamped "Prim Trav Sta No 9 C Texas 1923 S 11"-----	697. 245

¹²In 1936 this bench mark was reported to be mutilated.

400 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Reference mark, 170 ft. W. of post, on W. side of Sparta rd., on top of wall of concrete culvert; chiseled square.....	Feet 694. 63
Wiltonville School, 2.2 mi. NW. of, 300 ft. SW. of junction of rd. N., on W. wall of concrete culvert; chiseled square.....	685. 57
Wiltonville School, 1.0 mi. NW. of, opposite junction of rd. S., 20 ft. N. of rd., opposite wooden bridge, in root of large tree; copper nail.....	661. 17
<p>From point 2.3 miles southeast of Brookhaven along roads northwest to Brookhaven, thence generally north to point 2.7 miles west of Seattle, thence east and southeast by way of Seattle and Bland into Belton quadrangle at point 2.4 miles northwest of Moffat (by F. L. Shalibo in 1923)</p>	
Brookhaven, 1.5 mi. S. of, at summit of hill, 25 ft. SW. of rd., in root of cedar tree; copper nail.....	850. 61
Brookhaven, 45 ft. E. of E.-W. rd., 19 ft. E. of blacksmith shop, in concrete engine base; standard tablet stamped "Prim Trav Sta No 11 C Texas 1923 S 12" ¹³	680. 453
Reference mark, 30 ft. NE. of tablet, in root of large oak tree; copper nail.....	679. 03
Brookhaven, 1.4 mi. N. of, at SW. corner of iron bridge over Cowhouse Creek, on W. end of stone support; chiseled square.....	607. 79
Brookhaven, 2.2 mi. N. of, on W. side of rd., on concrete post at Bell-Coryell county line; chiseled square.....	623. 37
Brookhaven, 3.7 mi. N. of, 150 ft. N. of rd. junction, in SE. corner of yard of W. J. Elms, 2.5 ft. from S. fence, 7 ft. from E. fence, in concrete post; standard tablet stamped "Prim Trav Sta No 12 C 1923 S 13".....	640. 936
Reference mark, 30 ft. S. of tablet, on flat rock; chiseled square.....	639. 49
Brookhaven, 5.7 mi. N. of, 2.7 mi. W. of Seattle, 60 ft. N. of driveway to farmhouse, on E. side of rd., in fence line, in root of cedar tree; copper nail.....	822. 78
Seattle, 1.9 mi. NW. of, at Cold Spring, at junction of lane to residence, 150 ft. W. of crossing of small branch of Owl Creek, 15 ft. W. of N.-S. fence, 3 ft. N. of E.-W. fence, in concrete post; standard tablet stamped "Prim Trav Sta No 13 C 1923 S 14".....	733. 795
Reference mark, 60 ft. W. of tablet, in root of small tree; copper nail.....	734. 44
Seattle, 1.3 mi. NE. of, about 400 ft. E. of Cold Spring School, at rd. junction, on N. side of rd., in root of small tree; copper nail.....	726. 80
Seattle, 100 ft. SW. of post office, on S. side of rd., opposite rd. N., in root on N. side of large tree; copper nail.....	692. 70
Seattle, 0.8 mi. NE. of, in NW. corner of junction of second-class rd. N., 7 ft. W. of N.-S. fence, 6 ft. N. of E.-W. fence, in concrete post; standard tablet stamped "Prim Trav Sta No 14 C 1923 S 15".....	670. 871
Reference mark, 40 ft. S. of tablet, on S. side of rd., in root of walnut tree; copper nail.....	670. 65
<p>[Line jogs into Gatesville No. 1 quadrangle]</p>	
County Line School, at NW. corner of, in concrete post; standard tablet stamped "Prim Trav Sta No 15 C 1923 S 16" ¹⁴	713. 877
Reference mark, 30 ft. NW. of tablet, in root on S. side of large tree; copper nail.....	714. 24
County Line School, 1.1 mi. SE. of, on S. side of rd., 60 ft. E. of second-class rd. S., in fence line, in root of Spanish-oak tree; copper nail..	684. 32

¹³ In 1936 this bench mark was reported to be mutilated.

¹⁴ In 1936 this bench mark was reported to be badly battered.

County Line School, 2.0 mi. SE. of, 2.3 mi. NW. of Bland, in SW. corner of junction of lane S., opposite rd. N., 40 ft. S. of rd., in root of live-oak tree; copper nail.....	Feet 651. 88
Bland, 1.8 mi. NW. of, 150 ft. W. of junction of T-rd. N., at crossing of Flint Creek, 50 ft. S. of rd., 11 ft. E. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 16 C 1923 S 17" ¹⁵ ...	602. 475
Reference mark, 100 ft. N. of tablet, on N. side of rd., on W. side of creek, in fence line, in root of tree; copper nail.....	599. 01
Bland, 0.9 mi. N. of, at SE. corner of yard of farmhouse, in fence corner, in root of elm tree; copper nail.....	589. 56
Bland, in front of schoolhouse, on W. side of rd., in root of large oak tree; copper nail.....	578. 66
From point 3.7 miles north of Brookhaven along roads northwest to Bethlehem School, thence west and southwest into Gatesville No. 3 quadrangle at point about 1.5 miles northeast of Eliga (by F. L. Shalibo in 1923)	
Brookhaven, 3.7 mi. N., thence 1.2 mi. NW. from, 2.1 mi. SE. of Bethlehem School, 220 ft. S. of right-angle turn in rd., on E. side of rd., in root on W. side of twin oak tree; copper nail.....	657. 36
Bethlehem School, 1.5 mi. SE. of, at junction of second-class rd. W., on S. side of rd., in fence line, in root of small cedar tree; copper nail.....	639. 87
Bethlehem School, at NE. corner of, 7.0 mi. NW. of Brookhaven, 1.3 mi. E. of Killeen-Gatesville rd., in concrete post; standard tablet stamped "Prim Trav Sta No 18 C 1923 S 18".....	767. 224
Reference mark, 70 ft. NE. of tablet, in root of W. elm tree; copper nail.....	768. 90
Bethlehem School, 2.2 mi. W. of, 0.25 mi. N. of Boaz, in NW. corner of rd. junction, in fence corner, in root of live-oak tree; copper nail.....	790. 17
Bethlehem School, 3.2 mi. W. of, 4.3 mi. NE. of Eliga, 130 ft. S. of residence of T. L. Schafer, 35 ft. E. of Killeen-Gatesville rd., near Brown Creek, in fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 19 C 1923 S 19".....	847. 325
Reference mark, 100 ft. N. of tablet, on W. end of stone step at gate; chiseled square.....	852. 21
Eliga, 3.1 mi. NE. of, 0.5 mi. N. of crossing of Brown Creek, near summit of hill, 40 ft. W. of rd., 20 ft. W. of fence line, on rock; chiseled square.....	780. 98
Eliga, 2.0 mi. NE. of, at right-angle turn in rd., in SW. corner of pasture, in fence corner, 50 ft. E. of gate, on rock; chiseled square...	783. 62
From Gatesville No. 3 quadrangle along Jackson Gap road southeast to Killeen, thence along Gulf, Colorado & Santa Fe Railway to point 2.1 miles east of Killeen (by F. L. Shalibo in 1923)	
Killeen, 2.6 mi. NW. of, on W. side of Jackson Gap rd., at Bell-Coryell county line, on concrete post; chiseled square.....	890. 20
Killeen, 1.6 mi. N. of, at right-angle turn in rd., at junction of second-class rd. E., in SW. corner of rd., in root of small pine tree; copper nail.....	909. 23
Killeen, in N. corner of, on Jackson Gap rd., at right-angle turn in rd., in NE. corner of yard of E. Brock, in concrete post; standard tablet stamped "Prim Trav Sta No 22 C 1923 S 22".....	889. 255
Reference mark, 70 ft. N. of tablet, 40 ft. N. of rd., in root on E. side of chinaberry tree; copper nail.....	889. 09

¹⁵ In 1936 the concrete post was reported to be slightly loose in ground.

402 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Killeen, in SE. corner of town, on Main Street, in front of Texas Theater, on NE. corner of sidewalk; chiseled square.....	Feet 837. 36
Killeen, 1.4 mi. along R. R. E. of, 300 ft. E. of crossing of second-class rd., on S. side of track, on W. end of wall of concrete culvert; chiseled square.....	791. 84
U. S. C. & G. S. B. M. designated "Q 4".....	787. 403
From point on Gulf, Colorado & Santa Fe Railway 2.1 miles east of Killeen along roads northeast about 1.5 miles, thence east and southeast to point 2.4 miles northwest of Nolanville (by F. L. Shalibo in 1923)	
Killeen, 3.2 mi. E. of, 6.8 mi. NW. of Nolanville, at NE. corner of right-angle turn in main rd., in SW. corner of cottonfield of C. A. Godman, in fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 23 C 1923 S 23".....	834. 970
Reference mark, 100 ft. S. of tablet, 20 ft. W. of fence line, in root on W. side of live-oak tree; copper nail.....	833. 27
Nolanville, 5.6 mi. NW. of, 40 ft. E. of junction of rd. N., in fence line, on small rock; chiseled square.....	846. 34
Nolanville, 4.6 mi. NW. of, about 0.5 mi. W. of schoolhouse, on S. side of rd., on W. wing wall of concrete bridge; chiseled square.....	775. 45
Nolanville, 3.5 mi. NW. of, in NE. corner of rd. junction, on SW. corner of concrete wall of dipping vat; chiseled square.....	810. 20

LAMPASAS NO. 2 QUADRANGLE

[Latitude 31°15'-31°30'; longitude 98°15'-98°30']

HAMILTON, LAMPASAS, AND MILLS COUNTIES

From Lampasas No. 3 quadrangle northwest and west along Gulf, Colorado & Santa Fe Railway into Goldthwaite quadrangle (by E. E. Harris in 1925)

Lometa, 8.1 mi. NW. of, on N. side of track, opposite milepost 8, on top of section of rail; chiseled cross.....	1, 338. 04
Lometa, 9.1 mi. NW. of, on N. side of track, 60 ft. E. of milepost 9, on top of section of rail; chiseled cross.....	1, 310. 24

LAMPASAS NO. 3 QUADRANGLE

[Latitude 31°00'-31°15'; longitude 98°15'-98°30']

BURNET, LAMPASAS, AND SAN SABA COUNTIES

From Lampasas No. 4 quadrangle northwest along Gulf, Colorado & Santa Fe Railway into Lampasas No. 2 quadrangle (by E. E. Harris in 1925)

Ogles, 1.5 mi. SE. of, on E. side of track, 100 ft. N. of milepost 282, on top of section of rail marked "282"; chiseled cross (recovered by U. S. C. & G. S. in 1932).....	1, 405. 125
Ogles, 0.6 mi. SE. of, on E. side of track, opposite milepost 283, on top of section of rail marked "283"; chiseled cross (recovered by U. S. C. & G. S. in 1932).....	1, 415. 381
Ogles, in front of sta. sign; top of rail.....	1, 417. 1
Ogles, 10 ft. N. and 50 ft. E. from second-class rd. crossing, 3 ft. E. of fence line, in concrete post; standard tablet stamped "H 251 1925" (recovered by U. S. C. & G. S. in 1932; restamped "1416.13" by U. S. C. & G. S. in 1934).....	1, 416. 129
Ogles, 0.4 mi. NW. of, on E. side of track, opposite milepost 284, on top of section of rail marked "284"; chiseled cross (recovered by U. S. C. & G. S. in 1932).....	1, 424. 000
Ogles, 1.5 mi. NW. of, on E. side of track, opposite milepost 285, on top of section of rail marked "285"; chiseled cross (recovered by U. S. C. & G. S. in 1932).....	1, 422. 061

	<i>Feet</i>
Ogles, 2.5 mi. NW. of, on E. side of track, opposite milepost 286, on top of section of rail marked "286"; chiseled cross (recovered by U. S. C. & G. S. in 1932)-----	1, 454. 462
Ogles, 2.9 mi. NW. of, 5.3 mi. SE. of Lometa, 0.4 mi. N. of milepost 287, on W. side of track, on W. side of county rd., on S. side of farm rd. W., in angle in fence line, 2 ft. from each fence, in concrete post; standard tablet stamped "H 252 1925"-----	1, 470. 261
Lometa, 4.7 mi. SE. of, on E. side of track, 330 ft. N. of rd. crossing, opposite milepost 287, on top of section of rail marked "287"; chiseled cross (recovered by U. S. C. & G. S. in 1932)-----	1, 453. 389
Lometa, 3.7 mi. SE. of, on E. side of track, opposite milepost 288, on top of section of rail marked "288"; chiseled cross (recovered by U. S. C. & G. S. in 1932)-----	1, 440. 502
Lometa, 2.7 mi. SE. of, on W. side of track, 90 ft. NW. of milepost 289, on W. side of dirt rd., in NW. corner of T-angle in fence line, 4 ft. from each fence, in concrete post; standard tablet stamped "H 253 1925" ¹⁶ -----	1, 474. 504
Reference mark, 144 ft. E. of tablet, on top of section of rail marked "289"; chiseled cross (recovered by U. S. C. & G. S. in 1932)-----	1, 476. 198
Lometa, 1.7 mi. SE. of, on E. side of track, opposite milepost 290, on top of section of rail marked "290"; chiseled cross (recovered by U. S. C. & G. S. in 1932)-----	1, 505. 883
Lometa, 0.7 mi. SE. of, on E. side of track, opposite milepost 291, on top of section of rail marked "291"; chiseled cross (recovered by U. S. C. & G. S. in 1932)-----	1, 468. 258
Lometa, in concrete foundation of R. R. sta., directly beneath telegraph window, set vertically; standard tablet stamped "H 254 1925" (recovered by U. S. C. & G. S. in 1932; restamped "1486.58" by U. S. C. & G. S. in 1934)-----	1, 486. 585
Reference mark, 200 ft. S. of tablet, on E. side of foundation to water tank, on top of bolt; chiseled cross-----	1, 484. 82
Lometa, 1.1 mi. NW. of, on E. side of track, opposite milepost 1, on top of section of rail; chiseled cross-----	1, 472. 41
Lometa, 2.1 mi. NW. of, on E. side of track, 100 ft. S. of milepost 2, at SE. corner of R. R. trestle marked "2 A," on top of section of rail; chiseled cross-----	1, 454. 60
Lometa, 3.1 mi. NW. of, on N. side of track, opposite milepost 3, on top of section of rail; chiseled cross-----	1, 453. 28
Lometa, 3.9 mi. NW. of, in SW. corner of rd. crossing, in angle in fence line, 4 ft. from each fence, in concrete post; standard tablet stamped "H 255 1925" (recovered by U. S. C. & G. S. in 1935)-----	1, 442. 044
Lometa, 5.1 mi. NW. of, on N. side of track, opposite milepost 5, on top of section of rail; chiseled cross-----	1, 411. 06
Lometa, 6.1 mi. NW. of, on N. side of track, 50 ft. W. of milepost 6, on top of section of rail; chiseled cross-----	1, 395. 02
Lometa, 6.4 mi. NW. of, 1,800 ft. W. of milepost 6, on S. side of track, 3 ft. S. of R. R. right-of-way fence line, 100 ft. W. of farm rd. crossing, in concrete post; standard tablet stamped "H 256 1925"-----	1, 384. 869
Reference mark, 123 ft. N.70°E. of tablet, in root on W. side of 6-in. mesquite tree; copper nail and washer-----	1, 385. 31
Lometa, 7.1 mi. NW. of, on N. side of track, 50 ft. W. of milepost 7, on top of section of rail; chiseled cross-----	1, 366. 78

¹⁶ In 1936 this bench mark was moved 47.8 feet N. 37°45'E. of this position and reset 0.094 foot higher than its original elevation. The figures given represent the new elevation.

From Goldthwaite quadrangle¹⁷ southeast along Lometa-Goldthwaite road to State Highway 74, thence west into Bend quadrangle (by H. P. Kilby in 1925; releveled by E. E. Harris in same year)

Lometa, 6.0 mi. NW. of, on W. side of Goldthwaite rd., at summit of hill, 20 ft. NE. of stile to windmill, in base of 14-in. oak tree; copper nail and washer.....	Feet 1, 383. 24
Lometa, 4.5 mi. NW. of, at junction of Lometa-Goldthwaite rd., on E. side of rd., in sandstone post; standard tablet stamped "Prim Trav Sta No 51 J 1924 K 26".....	1, 328. 906
Lometa, 6.0 mi. W. of, on N. side of rd., 60 ft. N. of milepost 6, in fence line, on rock; chiseled square.....	1, 337. 63

LAMPASAS NO. 4 QUADRANGLE

[Latitude 31°00'–31°15'; longitude 98°00'–98°15']

BURNET, CORYELL, AND LAMPASAS COUNTIES

From Burnet No. 1 quadrangle at point 5.7 miles northwest of Sunnlyane along roads north to point 3.9 miles south of Lampasas, thence along Houston & Texas Central Railroad¹⁸ southwest and back into Burnet No. 1 quadrangle (by R. G. Clinite in 1925)

Sunnlyane, 6.2 mi. NW. of, on E. side of rd., in SE. angle of junction of settlement rd., in NW. corner of field; iron post stamped "C 21 1925".....	1, 189. 134
Reference mark, 90 ft. NW. of iron post, on W. side of rd., 6 ft. E. of fence, on rock; highest point.....	1, 185. 55
Lampasas southwest base (triangulation sta.), about 3.9 mi. S. of Lampasas, on land of Villard Campbell, on stone post in top of which is a disk with "U. S. C. & G. S." between two concentric circles; surface of inner circle.....	1, 252. 032
Lampasas, 3.9 mi. S. of, 4.2 mi. N. of Tumlinson, on E. side of R. R. track, at stone culvert 19-B, in center of E. edge of stone coping; chiseled square.....	1, 159. 64

From point 3.9 miles south of Lampasas along roads north to Lampasas, thence east about 2.5 miles (by E. E. Harris in 1925)

Lampasas, 2.2 mi. along Austin rd. S. of, at right-angle turn in rd., 40 ft. S. of junction of private rd. SW. through gate, 40 ft. W. of fence line, in root on E. side of 6-in. live-oak tree; copper nail and washer.....	1, 135. 12
Lampasas, 1.2 mi. S. of, on W. side of Austin rd., 50 ft. N. of private rd. W. through gate, in root 5 ft. S. of prominent live-oak tree; copper nail and washer.....	1, 085. 80
Lampasas, 0.7 mi. S. of, at highway bridge over Sulphur Creek, on top of W. end of S. abutment; chiseled square.....	1, 026. 28
Lampasas, in SW. face of Lampasas County courthouse, 6 ft. S. of entrance, 2 ft. above ground, set vertically; standard tablet stamped "H 247 1925" (recovered by U. S. C. & G. S. in 1932; restamped "1019.56" by U. S. C. & G. S. in 1934).....	1, 019. 562
Reference mark, 79 ft. N. of tablet, on curb of courthouse plaza; chiseled square.....	1, 017. 84
Lampasas, 0.6 mi. E. of, at junction of Lampasas-Georgetown and Lampasas-Belton rds., in root on N. side of 12-in. mesquite tree; copper nail and washer.....	1, 042. 72

¹⁷ This line crosses the southwest corner of Lampasas No. 2 quadrangle but no permanent bench marks were established in that portion of the line.

¹⁸ Now part of the Texas & New Orleans Division of the Southern Pacific Co.

Lampasas, 1.7 mi. E. of, on S. side of Belton rd., 300 ft. E. of rd. junction, at S. end of cut-off rd., in root on W. side of 18-in. live-oak tree; copper nail and washer-----	Feet 1, 035. 48
Lampasas northeast base (triangulation sta.), about 2.5 mi. E. of Lampasas, 250 meters N. of Lampasas-Belton rd., on highest and northernmost wooded point on land of Moses McCormic, on stone post in top of which is a disk with "U. S. C. & G. S." between two concentric circles; surface of inner circle-----	1, 034. 936
From Lampasas northwest along Gulf, Colorado & Santa Fe Railway into Lampasas No. 3 quadrangle (by E. E. Harris in 1925)	
Lampasas, opposite G. C. & S. F. Ry. sta.; top of rail-----	1, 018. 2
Lampasas, at SW. corner of high school building, 3 ft. above ground, 1 ft. E. of corner of building, set vertically; standard tablet stamped "H 248 1925" (recovered by U. S. C. & G. S. in 1932; restamped "1024.86" by U. S. C. & G. S. in 1934)-----	1, 024. 860
Reference mark, 82.4 ft. S.50°W. of tablet, in root on W. side of 8-in. mesquite tree; copper nail and washer-----	1, 021. 24
Lampasas, 1.3 mi. NW. of Lampasas County courthouse, on E. side of Lometa rd., in front of dwelling, in root on N. side of small tree in clump of live-oak trees; copper nail and washer-----	1, 067. 40
Lampasas, 2.2 mi. NW. of, on E. side of Lometa rd., 80 ft. S. of small bridge, 10 ft. W. of fence line, in root on E. side of 12-in. oak tree; copper nail and washer-----	1, 072. 99
Lampasas, 3.3 mi. NW. of, on E. side of Lometa rd., at summit of grade, opposite dwelling, 2 ft. E. of fence line, in stone post; standard tablet stamped "H 249 1925"-----	1, 175. 645
Lampasas, 4.2 mi. NW. of, on E. side of Lometa rd., 450 ft. N. of angle in rd., 1 ft. W. of fence line, on rock outcrop; chiseled square-----	1, 226. 84
Lampasas, 5.4 mi. NW. of, on E. side of Lometa rd., opposite private rd. W., in root of live-oak tree; copper nail and washer-----	1, 289. 71
Lampasas, 6.1 mi. NW. of, 3.5 mi. SE. of Ogles, 50 ft. S. and 50 ft. W. from crossing of Lampasas-Lometa rd., 2 ft. N. of fence line, in concrete post; standard tablet stamped "H 250 1925"-----	1, 294. 927
Reference mark, 64 ft. N.45°E. of tablet, on SW. corner of concrete foundation of R. R. warning signal; chiseled square-----	1, 294. 28
Ogles, 2.5 mi. SE. of, on E. side of track, opposite milepost 281, on top of section of rail set vertically; chiseled cross (recovered by U. S. C. & G. S. in 1932)-----	1, 338. 400

LEON QUADRANGLE¹⁰

[Latitude 33°45'-34°00'; longitude 97°15'-97°30']

COOKE AND MONTAGUE COUNTIES

From Münster quadrangle at point 2.5 miles southeast of Marysville northwest along roads into Nocona quadrangle at point about 5 miles northwest of Bulcher (by E. W. Glafcke in 1900)

Marysville, on E. side of main street, 3 ft. S. of SW. corner of post office; iron post stamped "873 Gainv"-----	874. 819
Marysville, 2.8 mi. NW. of, 3.7 mi. SE. of Bulcher, at junction of St. Jo rd., at Houssinger residence, at SE. corner of rail fence; iron post stamped "916 Gainv"-----	917. 783
Bulcher, 40 ft. S. of NW. corner of post office, on E. bank of Camp Creek; iron post stamped "746 Gainv"-----	747. 808

¹⁰ A large part of this quadrangle, north of the Red River, lies in Oklahoma.

406 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Bulcher, 4.9 mi. NW. of, at junction of Illinois Bend rd., at J. L. Seitz farm, on W. side of rd., at SE. corner of fence; iron post stamped "900 Gainv"----- *Feet*
901. 853

From Marietta quadrangle at point 1.7 miles southwest of Sivells Bend generally southwest along roads to Marysville (by M. S. Bright in 1902)

Sivells Bend, 2.2 mi. SW. of, 0.5 mi. S. of Bear Head Church, 0.7 mi. N. of Three Mounds, on W. side of rd., at junction of lane E. to Pybas gin; iron post stamped "874 Gainsv"----- 876. 043

Sivells Bend, 5.2 mi. SW. of, 4.5 mi. NE. of Marysville, 0.8 mi. S. of Hickman residence, near head of small drain, on W. side of rd.; iron post stamped "956 Gainsv"----- 957. 332

LLANO NO. 1 QUADRANGLE

[Latitude 30°45'-31°00'; longitude 98°30'-98°45']

LLANO AND SAN SABA COUNTIES

From Marble Falls quadrangle ²⁰ along Houston & Texas Central Railroad ²¹ northwest and southwest to Llano, thence along roads generally north to Cherokee, thence east and north into Bend quadrangle at point 5 miles northeast of Cherokee (by Thomas Winsor in 1898)

Graphite, 1.2 mi. NW. of, on N. side of Lone Grove rd., 19 ft. E. of track; iron post stamped "1015 SA" (recovered by U. S. C. & G. S. in 1933)----- 1, 007. 524

Graphite, 3.7 mi. NW. of, 8.0 mi. NE. of Llano, 500 ft. SE. of trestle 91-A, 22 ft. SW. of track, on NW. side of private rd.; iron post stamped "967 SA"----- 959. 672

Llano, 5.8 mi. NE. of, 5 ft. NE. of gate at entrance to Bessemer sta. grounds, 150 ft. N. of track; iron post stamped "988 SA" (recovered by U. S. C. & G. S. in 1933)----- 980. 677

[Line jogs into Llano No. 4 quadrangle]

Llano, in front of small park at E. end of freight sta., 32 ft. S. of main track; iron post stamped "1029 SA"----- 1, 021. 826

Llano, 3.0 mi. N. of, at junction of rd. E., on E. side of rd., 4 ft. S. of corner of wire fence; iron post stamped "1112 SA"----- 1, 105. 137

Llano, 6.2 mi. N. of, 3.2 mi. S. of Babyhead, opposite small corral, 15 ft. W. of E. fence line, in pink granite outcrop; aluminum tablet stamped "1253 SA"----- 1, 245. 939

Babyhead, 250 ft. SE. of post office, in front of small corral, on W. side of rd., in sandstone outcrop; aluminum tablet stamped "1348 SA"----- 1, 340. 767

Babyhead, 2.9 mi. NW. of, 5.1 mi. SE. of Cherokee, 600 ft. SE. of bend in rd., in E. fence line, in flat granite boulder; aluminum tablet stamped "1440 SA"----- 1, 432. 935

Cherokee, 2.3 mi. SE. of, in SE. corner of crossroads, 6 ft. S. of fence corner; iron post stamped "1212 SA" (recovered in 1920; also recovered by U. S. C. & G. S. in 1935)----- 1, 508. 206

Cherokee, at West Texas Normal and Business College, at NW. corner of W. wing, in sandstone trimming, 6 in. above water table; aluminum tablet stamped "1530 SA" (recovered in 1920; also recovered by U. S. C. & G. S. in 1935)----- 1, 523. 183

²⁰ This line crosses the northeast corner of Llano No. 4 quadrangle but no permanent marks were set in that portion of the line.

²¹ Formerly the Austin & Northwestern R. R.; now part of the Texas & New Orleans Division of the Southern Pacific Co.

	<i>Feet</i>
Cherokee, at main entrance to West Texas Normal and Business College, on N. end of doorsill; chiseled cross.....	1, 522. 59
Cherokee, 3.6 mi. E. of, on W. bank of Salt Branch, 10 ft. S. of rd., 15 ft. NW. of 6-in. mesquite tree; iron post stamped "1412 SA".....	1, 405. 105
From Bend quadrangle at point about 1 mile north of Boyt ranch along roads generally south by way of Lone Grove to point on Houston & Texas Central Railroad 8 miles northeast of Llano (by Thomas Winsor in 1898)	
Boyt ranch, at SW. corner of fence enclosing yard at dwelling of T. W. Boyt, on E. side of rd.; iron post stamped "1461 SA".....	1, 454. 317
Boyt ranch, 3.1 mi. S. of, 2.2 mi. N. of Tow ranch, at highest point of open prairie, 10 ft. W. of rd., on embedded limestone boulder; standard tablet stamped "1501 SA".....	1, 494. 001
Tow ranch, 1.2 mi. N. of, on E. side of rd., on flat 12- by 30-in. limestone boulder; chiseled square.....	1, 476. 62
Tow ranch, 1.4 mi. S. of, on SW. side of rd., 15 ft. NW. of gate, in embedded limestone boulder; standard tablet stamped "1422 SA".....	1, 415. 227
Tow ranch, 3.1 mi. S. of, 7.2 mi. NE. of Lone Grove, at summit of hill, on divide between Falls and Miller Creeks, on E. side of rd.; iron post stamped "1559 SA".....	1, 551. 792
Lone Grove, 3.1 mi. NE. of, at junction of Llano-Lampasas rd., 25 ft. N. of gate, on W. side of rd.; iron post stamped "1141 SA".....	1, 133. 770
Lone Grove, 150 ft. W. of post office, on NE. bank of Little Llano Creek, 5 ft. S. of fence in front of cotton gin; iron post stamped "999 SA".....	991. 922
From Llano northwest along road about 5.5 miles into Llano No. 2 quadrangle (by Thomas Winsor in 1898)	
Llano, 2.9 mi. NW. of, on NE. side of rd., near summit of slight incline in front of leaning live-oak tree, 27 ft. SE. of telephone pole; iron post stamped "1131 SA".....	1, 123. 977
From Llano No. 2 quadrangle at point about 3 miles west of Cherokee along roads east to Cherokee (by Thomas Winsor in 1898)	
Cherokee, 2.9 mi. W. of, on S. side of rd., 5 ft. S. of gate on division-fence line between ranches of R. W. Gray and George Gray; iron post stamped "1551 SA".....	1, 543. 857
From Cherokee along roads southwest into Llano No. 2 quadrangle at point 6.5 miles northeast of Valley Spring (by Thomas Winsor in 1898)	
Cherokee, 3.5 mi. SW. of, 8.5 mi. NE. of Valley Spring, on N. side of rd., near wire fence, 6 ft. from gate; iron post stamped "1531 SA"....	1, 524. 031
From Tow quadrangle northwest along road 4.4 miles to Boyt ranch (by Thomas Winsor in 1899)	
Boyt ranch, 1.7 mi. SE. of, 30 ft. S. of rd., in quartz boulder between two 20-in. live-oak trees; standard tablet stamped "1497 SA".....	1, 490. 024
From point 2.5 miles south of Cherokee north along road to Cherokee (by F. L. Whaley in 1920)	
Cherokee, 1.6 mi. S. of, at steel bridge over small drain, on top of SE. concrete wing wall; chiseled square.....	1, 487. 92
Cherokee, 0.7 mi. S. of, 10 ft. N. of water gap at creek crossing, on W. side of rd., 10 ft. N. of elm tree, in root of tree; nail.....	1, 496. 11
From Cherokee north along road into Bend quadrangle (by F. L. Whaley in 1920; double-rodged line)	
Cherokee Creek, at crossing; surface of water Feb. 13, 1920.....	1, 454. 5

LLANO NO. 2 QUADRANGLE

[Latitude 30°45'-31°00'; longitude 98°45'-99°00']

LLANO, MASON, AND SAN SABA COUNTIES

From Llano No. 1 quadrangle at point about 5.5 miles northwest of Llano along roads northwest by way of Valley Spring to Field Creek, thence northeast and east and back into Llano No. 1 quadrangle at point about 3 miles west of Cherokee (by Thomas Winsor in 1898)

	<i>Feet</i>
Llano, 6.0 mi. NW. of, 6.5 mi. SE. of Valley Spring, 250 ft. N. of mile-post at bend in rd. from S. to W., 3 ft. W. of NW. fence corner; iron post stamped "1161 SA"-----	1, 154. 195
Valley Spring, 4.5 mi. SE. of, at summit of hill, on SW. side of rd., on pink granite boulder; chiseled cross-----	1, 204. 92
Valley Spring, 3.5 mi. SE. of, 150 ft. SE. of gate, on NE. side of rd., 35 ft. W. of 30-in. post-oak tree bearing mileboard; iron post stamped "1207 SA"-----	1, 200. 249
Valley Spring, 0.25 mi. SE. of post office, 200 ft. SW. of Methodist Episcopal Church, at summit of hill, on S. side of rd., in embedded granite boulder; aluminum tablet stamped "1335 SA"-----	1, 327. 767
Valley Spring, 2.7 mi. NW. of, at bend in rd., on N. side, 15 ft. N. of twin post-oak tree; iron post stamped "1450 SA"-----	1, 442. 760
Valley Spring, 5.7 mi. NW. of, 4.4 mi. SE. of Field Creek, 120 ft. NW. of mileboard "Llano 17 miles," opposite farmhouse of R. Baumann, on NE. side of rd., in limestone outcrop; aluminum tablet stamped "1485 SA"-----	1, 478. 007
Field Creek, 1.7 mi. SE. of, in NW. corner of intersection of NE.-SW. rd., at summit of small hill; iron post stamped "1407 SA"-----	1, 399. 527
Field Creek, in NW. corner of general store of McLeod, Appleton & Co., 4 ft. above ground; aluminum tablet stamped "1414 SA"-----	1, 407. 094
Field Creek, 2.2 mi. N. of, 0.25 mi. N. of ranch of W. R. Wilson, at junction of Pontotoc-San Saba rd. and settlement rd.; iron post stamped "1617 SA"-----	1, 609. 587
Field Creek, 4.1 mi. NE. of, 50 ft. S. of summit of hill, 20 ft. E. of rd., on E. side of 18-in. blackjack tree, in embedded limestone boulder; aluminum tablet stamped "1784 SA"-----	1, 776. 814
Field Creek, 7.0 mi. NE. of, 12.5 mi. W. of Cherokee, at junction of Mason-Lampasas rd.; iron post stamped "1752 SA"-----	1, 745. 076
Cherokee, 9.2 mi. W. of, on SE. side of rd., 25 ft. E. of gate, 12 ft. SE. of 14-in. live-oak tree, in embedded limestone boulder; standard tablet stamped "1703 SA"-----	1, 695. 740
Cherokee, 5.7 mi. W. of, on E. side of rd., 6 ft. SE. of gate on division fence line between ranches of A. R. Kuykendall and R. W. Gray; iron post stamped "1615 SA"-----	1, 607. 577

From Llano No. 1 quadrangle at point 6.5 miles northeast of Valley Spring along road south to Valley Spring (by Thomas Winsor in 1898)

Valley Spring, 5.7 mi. NE. of, 35 ft. NE. of Pecan Creek, on E. side of rd., 9 ft. SW. of 10-in. elm tree, in top of sandstone ledge; aluminum tablet stamped "1412 SA"-----	1, 405. 038
Valley Spring, 2.3 mi. NE. of, at junction of settlement rd. S.; iron post stamped "1374 SA"-----	1, 366. 939

From point 1.2 miles northwest of Valley Spring along Burnet-Mason road southwest to Castell-Pontotoc road, thence south into Llano No. 3 quadrangle at point 4 miles northwest of Castell (by Thomas Winsor in 1898)

Valley Spring, 4.3 mi. SW. of, at junction of settlement rd. W., 75 ft. S. of small creek; iron post stamped "1274 SA"-----	1, 267. 033
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Valley Spring, 7.2 mi. SW. of, on S. side of rd., 5 ft. W. of gate at end of lane; iron post stamped "1314 SA"-----	Feet 1, 307. 103
Valley Spring, 9.5 mi. SW. of, on W. side of rd., 40 ft. N. of summit of rd. at Kings Mtn., in pink granite outcrop; aluminum tablet stamped "1424 SA"-----	1, 417. 553
Castell, 7.0 mi. N. of, in SE. corner of intersection of Castell-Pontotoc rd.; iron post stamped "1326 SA"-----	1, 319. 041

LLANO NO. 3 QUADRANGLE

[Latitude 30°30'-30°45'; longitude 98°45'-99°00']

LLANO AND MASON COUNTIES

From Llano No. 2 quadrangle at point 4 miles northwest of Castell along roads south and southeast to Castell, thence generally east into Llano No. 4 quadrangle at point 5.2 miles southwest of Llano (by Thomas Winsor in 1898)

Castell, 3.6 mi. N. of, on E. side of rd., 3 ft. E. of gate; iron post stamped "1272 SA"-----	1, 264. 916
Castell, 75 ft. E. of post office and general store of T. Buchholz, 5 ft. N. of SW. fence corner at "Traveler's Home"; iron post stamped "1207 SA" (recovered by U. S. C. & G. S. in 1933)-----	1, 200. 185
Castell, 3.3 mi. E. of, at junction of Loyal Valley rd., opposite mile-board marked "15 miles to Loyal Valley," 5 ft. W. of fence corner; iron post stamped "1208 SA" (recovered by U. S. C. & G. S. in 1933)-----	1, 201. 257
Castell, 6.0 mi. E. of, on NW. side of rd., at point where lane runs N. to river, 12 ft. E. of 12-in. elm tree; iron post stamped "1154 SA" (recovered by U. S. C. & G. S. in 1933)-----	1, 147. 104
Castell, 8.7 mi. E. of, 9.8 mi. SW. of Llano County courthouse at Llano, 30 ft. S. of rd., on W. bank of Hickory Creek; iron post stamped "1111 SA"-----	1, 104. 019
Llano, 6.0 mi. SW. of, on N. side of rd., on E. bank of Sixmile Creek, 40 ft. NE. of granite post marked "To Llano 6 miles"; iron post stamped "1085 SA"-----	1, 078. 313

From Llano No. 4 quadrangle at point about 3 miles west of Oxford along roads generally west to point 3.5 miles north of Haynes ranch, thence southeast and northeast and back into Llano No. 4 quadrangle at point near Moss ranch (by Thomas Winsor in 1898)

Oxford, 3.4 mi. W. of, at summit of hill, 10 ft. S. of rd., in sandstone boulder; standard tablet stamped "1497 SA"-----	1, 490. 519
Oxford, 6.0 mi. W. of, 100 ft. NW. of Bennett School, on S. side of rd., at fence corner; iron post stamped "1403 SA"-----	1, 396. 257
Oxford, 9.6 mi. W. of, 1.4 mi. NE. of Balcom ranch, 0.75 mi. NE. of Bullhead Creek, at intersection of old Llano-Fredericksburg rd., 60 ft. NW. of gate, in granite outcrop; aluminum tablet stamped "1322 SA"-----	1, 315. 482
Balcom ranch, 1.2 mi. W. of, 450 ft. SW. of junction of N.-S. settlement rd., on NW. side of rd., 2 ft. above ground, in pink granite outcrop; aluminum tablet stamped "1324 SA"-----	1, 317. 247
Balcom ranch, 4.1 mi. W. of, 3.5 mi. N., thence 1.9 mi. E. from Haynes ranch, about 1 mi. E. of House Mtn., 800 ft. E. of small creek, 15 ft. W. of point where rd. passes over bare rock, on SW. side of rd., in pink granite outcrop; aluminum tablet stamped "1345 SA"-----	1, 337. 928
Haynes ranch, 3.5 mi. N., thence 1.0 mi. E. from, near N. end of House Mtn., at summit of hill, on S. side of rd., on pink granite boulder; chiseled square-----	1, 382. 98

410 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Haynes ranch, 3.5 mi. N. of, 0.3 mi. NW. of Marshall Creek, at rd. fork; iron post stamped "1369 SA"-----	1, 362. 077
Haynes ranch, 2.2 mi. N. of Putnam ranch, 300 ft. S. of residence of Henry Haynes, on W. side of rd., in pink granite outcrop; aluminum tablet stamped "1425 SA"-----	1, 418. 241
Putnam ranch, 0.5 mi. SE. of, about 1.5 mi. W. of ranch house of August Keese, on NE. bank of Hickory Creek, 75 ft. SW. of rd., in top of red sandstone ledge; aluminum tablet stamped "1525 SA"__	1, 518. 559
August Keese ranch house, 0.75 mi. E. of, 125 ft. S. of fence between ranches of August Keese and H. Keese, in small open flat, 250 ft. W. of N.-S. settlement rd., in pink granite outcrop; aluminum tablet stamped "1749 SA"-----	1, 742. 729

[Line jogs into Fredericksburg No. 2 quadrangle]

Enchanted Rock, about 2 mi. NE. of, 1.2 mi. S. of Watch Mtn., 25 ft. N. of rd., on S. bank of small branch, in gray granite outcrop; aluminum tablet stamped "1374 SA"-----	1, 367. 131
Watch Mtn., 2.2 mi. NE. of, 0.5 mi. SW. of ranch of Aaron Moss, 450 ft. SW. of Sandy Creek, 20 ft. NW. of rd., 3 ft. SE. of 30-in. post-oak tree, in pink granite boulder; aluminum tablet stamped "1270 SA"-----	1, 263. 385

LLANO NO. 4 QUADRANGLE

[Latitude 30°30'-30°45'; longitude 98°30'-98°45']

LLANO COUNTY

Along Houston & Texas Central Railroad " southwest and northwest about 2.5 miles (by Thomas Winsor in 1898)

[A jog from Llano No. 1 quadrangle]

Llano, 2.3 mi. SE. of, 9 ft. E. of gate to private rd., 45 ft. N. of track; iron post stamped "1027 SA"-----	1, 019. 576
From Llano along roads south by way of Oxford into Fredericksburg No. 1 quadrangle (by Thomas Winsor in 1898)	
Llano, on E. side of Llano County courthouse, at S. side of entrance, in face of pedestal of pillar; standard tablet stamped "1050 SA" (recovered by U. S. C. & G. S. in 1933)-----	1, 042. 714
Llano, on E. side of courthouse, at S. side of entrance, in front of pillar, on balustrade; chiseled cross-----	1, 042. 46
Llano, 2.8 mi. S. of Llano County courthouse at, 125 ft. S. of Oatman Creek, on W. side of rd., 45 ft. S. of NE. corner of cultivated field; iron post stamped "1075 SA"-----	1, 067. 831
Llano, 6.1 mi. S. of, 4.9 mi. N. of Oxford, 41 ft. W. of E. fence line of rd., at summit of hill, in clump of scrub live-oak trees; iron post stamped "1244 SA"-----	1, 237. 048
Oxford, 1.8 mi. N. of, on W. side of rd., near summit of hill, 90 ft. N. of 26-in. dead post-oak tree; iron post stamped "1430 SA"-----	1, 423. 143
Oxford, 15 ft. S. of post office, on W. side of rd.; iron post stamped "1333 SA"-----	1, 326. 056
Oxford, 2.3 mi. S. of, at junction of rd. E. to Click, on E. side of rd., 14 ft. S. of gate; iron post stamped "1221 SA"-----	1, 214. 171
Oxford, 4.6 mi. S. of, on W. side of rd., at junction of rd. SW. to Enchanted Rock, 5 ft. S. of 13-in. post-oak tree used as gatepost; iron post stamped "1261 SA"-----	1, 254. 184

" Formerly the Austin & Northwestern R. R.; now the Texas & New Orleans Division of the Southern Pacific Co.

From northwest corner of Blanco No. 2 quadrangle along roads alternately northwest and southwest by way of Click to point 2.3 miles south of Oxford (by Thomas Winsor in 1898)

	<i>Feet</i>
Click, 3.8 mi. SE. of, at summit of hill, 40 ft. S. of telephone pole, on SW. side of rd.; iron post stamped "1117 SA" (recovered in 1930).....	1, 109. 971
Click, 1.9 mi. SE. of, 0.25 mi. NW. of Sandy Creek, near junction of settlement rd. NE., on S. side of rd., near fence corner; iron post stamped "1003 SA".....	995. 939
Click, about 500 ft. E. of post office, 4.2 mi. SE. of Click Gap, 75 ft. N. of NW. corner of school at junction of rd. N.; iron post stamped "1051 SA".....	1, 043. 923
Click Gap, on SE. side of rd., 40 ft. SW. of summit, 13 ft. N. of twin live-oak tree, in top of gray sandstone ledge; standard tablet stamped "1393 SA".....	1, 386. 009
Click Gap, 2.7 mi. SW. of, 7.2 mi. SE. of Oxford, at junction of settlement rd. E. through Sandy Gap, 500 ft. SW. of Moore farmhouse; iron post stamped "1099 SA".....	1, 091. 911
Oxford, 3.9 mi. SE. of, 0.2 mi. E. of Hondo Creek, on S. side of rd., at summit of hill, 35 ft. SE. of 45-in. post-oak tree, 12 ft. N. of 48-in. live-oak tree; iron post stamped "1194 SA".....	1, 186. 973

From Click along road north and northwest to point 2 miles south of Llano (by Thomas Winsor in 1898)

Click, 2.9 mi. N. of, at rd. fork, 4 ft. N. of E. gatepost; iron post stamped "1184 SA".....	1, 177. 254
Click, 6.2 mi. N. of, 50 ft. SE. of fence angle W. of wagon tracks, in conglomerate rock; standard tablet stamped "1149 SA".....	1, 142. 265
Click, 8.9 mi. NW. of, 9.7 mi. SE. of Llano, on S. side of rd., 7 ft. S. of corner of stone wall, in limestone outcrop; standard tablet stamped "1313 SA".....	1, 305. 841
Llano, 8.2 mi. SE. of, at summit of Riley Mtn., 30 ft. E. of 6-in. scrub oak tree, 15 ft. S. of rd., on 50- by 36- by 50-in. triangular limestone rock; chiseled cross.....	1, 560. 83
Llano, 7.0 mi. SE. of, at junction of rd. S. to Middlebrook ranch, on SW. side of rd., near twin mesquite tree; iron post stamped "1252 SA".....	1, 244. 956
Llano, 3.7 mi. SE. of, 12 ft. N. of gate, on E. side of wire fence; iron post stamped "1095 SA".....	1, 088. 289

From Llano No. 3 quadrangle at point 5.2 miles southwest of Llano along road northeast and east to Llano (by Thomas Winsor in 1898)

Llano, 2.9 mi. W. of, at summit of hill, 700 ft. NE. of milestone "To Llano 3 miles," on NW. side of rd.; iron post stamped "1083 SA" and "Prim Trav Sta No 15 T 1925 Texas" (recovered by U. S. C. & G. S. in 1933).....	1, 076. 582
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From Llano No. 3 quadrangle at point near Moss ranch southeast along road to point 4.6 miles south of Oxford (by Thomas Winsor in 1898)

Moss ranch, 2.25 mi. SE. of, 200 ft. SE. of Crab Apple Creek, on S. side of rd., on pocky hillside, 10 ft. W. of 11-in. hickory tree, in pink granite boulder; aluminum tablet stamped "1188 SA".....	1, 180. 959
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From Marble Falls quadrangle at point 4.1 miles northwest of Kingsland along roads west 0.5 mile to Gainesville School, thence north 3 miles, thence east and back into Marble Falls quadrangle (by E. E. Harris in 1924)

Gainesville School, 80 ft. E. of, 50 ft. S. of angle in rd.; iron post stamped "Prim Trav Sta No 82 K 1924 Texas H 165".....	898. 874
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412 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Reference mark, 34.6 ft. N.50°E. of iron post, in root on SE. side of 20-in. post-oak tree; copper nail and washer.....	Feet 898. 66
Gainesville School, 1.0 mi. N. of, in SE. corner of rd. junction, 150 ft. N. of plank gate in fence line crossing rd., in root on E. side of 6-in. mesquite tree; copper nail and washer.....	937. 28
Gainesville School, 1.6 mi. N. of, in SE. corner of rd. junction, on S. bank of creek, in root on E. side of 10-in. live-oak tree; copper nail and washer.....	938. 57
Gainesville School, 2.0 mi. N. of, 110 ft. N. of rd. junction, on E. side of rd., in front of house, in root on E. side of 24-in. post-oak tree; copper nail and washer.....	912. 55 866. 0
Llano River, at ford; surface of water Nov. 22, 1924.....	
Gainesville School, 3.0 mi. N. of, 2.0 mi. S. and 0.5 mi. E. from Graphite, 0.8 mi. S. of Southern Pacific R. R., on S. side of right-angle turn in old Kingsland-Llano rd., at junction of settlement rds. S. and W., in SW. corner of T-angle in fence line at gate across rd.; iron post stamped "Prim Trav Sta No 81 K Texas 1924 H 166".....	922. 427
Reference mark, 76.6 ft. S.40°E. of iron post, in root of 15-in. post-oak tree; copper nail and washer.....	921. 58
From Marble Falls quadrangle at point 3.4 miles south and 3.8 miles west from Kingsland along roads west 1 mile, thence south 1.4 miles, thence east and back into Marble Falls quadrangle (by E. E. Harris in 1930)	
Kingsland, 3.4 mi. S. and 4.0 mi. W. from, on S. side of rd., 75 ft. W. of gate at SW. corner of cleared field, in root on NE. side of 18-in. mesquite tree; copper nail and washer.....	1, 057. 56
Kingsland, about 5 mi. SW. of, near Packsaddle Mtn., in NE. corner of crossroads, 20 ft. N. of center line of Kingsland-Llano rd., 25 ft. E. of center line of Llano-Round Mtn. rd., 4 ft. E. of wire fence; iron post stamped "Prim Trav Sta No 73 K 1924".....	1, 056. 264
Reference mark, 214 ft. S.15°W. of tablet, in root on W. side of 12-in. mesquite tree; copper nail and washer.....	1, 061. 62
Kingsland, about 5 mi. SW., thence 1.1 mi. SE. from, 4.0 mi. NW. of Sandy Creek, on W. side of angle to SE. in rd., at summit of grade, in root on W. side of 10-in. mesquite tree; copper nail and washer...	1, 137. 19
Sandy Creek, 3.0 mi. NW. of, in SW. angle of sharp turn in rd. to S., in root on S. side of 10-in. mesquite tree; copper nail and washer...	1, 013. 30
From Marble Falls quadrangle at point 0.7 mile west of Franklin ranch south-west along road to point 3.8 miles southeast of Click (by E. E. Harris in 1930)	
Franklin ranch, 0.9 mi. SW. of, on E. side of creek, 20 ft. N. of center line of rd., in rock ledge; standard tablet stamped "H 134 1930"...	935. 791
Reference mark, 58 ft. N.35°E. of tablet, on rock ledge; chiseled square..	939. 17
Franklin ranch, 1.6 mi. SW. of, 0.9 mi. NE. of ranch of V. V. Moss, in SE. corner of junction of rd. S., in root on NW. side of large mesquite tree; copper nail and washer.....	980. 49
Moss ranch, on S. side of sharp turn in rd. from SE. to SW., about 400 ft. W. of ranch headquarters, 15 ft. W. of gate to corral, in root on N. side of large mesquite tree; copper nail and washer.....	1, 069. 55
Moss ranch, 1.1 mi. W. of, 3.2 mi. SE. of Click, in NE. corner of rd. junction, in root on W. side of 8-in. mesquite tree; copper nail and washer.....	1, 059. 23

MCGREGOR QUADRANGLE

[Latitude 31°15'–31°30'; longitude 97°15'–97°30']

BELL, COREYLL, FALL, AND McLENNAN COUNTIES

From Belton quadrangle at point 0.9 mile northwest of Willow Grove Church along roads northwest to point 0.2 mile northwest of Stampede, thence southwest to Winklers Ford across Leon River, thence southeast 0.5 mile and back into Belton quadrangle (by E. E. Harris in 1923)

Willow Grove Church, 1.7 mi. NW. of, at jog in rd., on W. side of rd. NE., in line with S. side of rd. SE., in NW. corner of T-angle in fence line, on large boulder flush with ground; chiseled square----	Feet 689. 14
Willow Grove Church, 2.9 mi. NW. of, 2.8 mi. SE. of Comar store at Stampede, 1.7 mi. SW. of Stampede Church, in NE. corner of jog in four rds., in angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 22 T Texas 1923 H 23"-----	683. 897
Stampede, 2.1 mi. SE. of, in angle in rd., at crossing of Stampede Creek, on S. side of concrete spillway; chiseled square-----	623. 93
Stampede, 1.3 mi. SE. of, in NW. corner of junction of T-rd. NE., at base of corner fence post, on flat boulder; chiseled square-----	694. 63
Stampede, 0.3 mi. SE. of Comar store at, at junction of rd. SE., on N. side of rd., 60 ft. E. of lane N. to dwelling, 5 ft. N. of fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 23 T Texas 1923 H 24"-----	699. 870
Reference mark, 68.8 ft. N.85°W. of tablet, in root on N. side of 15-in. white-oak tree; copper nail and washer-----	700. 22
Stampede, on S. side of rd., in line with rd. N., 200 ft. W. of Comar store, 2 ft. S. of fence line, in root on E. side of 5-in. post-oak tree; copper nail and washer-----	697. 31
Stampede, 0.2 mi. NW., thence 0.7 mi. SW. from, on N. side of angle in rd., on E. bank of creek, in root on N. side of oak tree; copper nail and washer-----	667. 22
Stampede, 0.2 mi. NW., thence 1.4 mi. SW. from, 0.6 mi. NE. of Winklers Ford, on N. side of rd., 80 ft. E. of right-angle turn in rd., in root on S. side of wild pecan tree; copper nail and washer-----	628. 56
Winklers Ford, 150 ft. N. of, on W. side of rd., on E. bank of Leon River, in root on E. side of 36-in. elm tree; copper nail and washer--	580. 55
<p>From road junction 1.7 miles northwest of Willow Grove Church along roads generally northeast to point 1.1 miles southeast, thence 1.8 miles northeast from Stampede Church, thence alternately northwest and northeast to Eagle Springs (by E. E. Harris in 1923)</p>	
Willow Grove Church, 1.7 mi. NW., thence 1.0 mi. NE. from, 1.5 mi. SE., thence 1.0 mi. SW. from Stampede Church, in NW. corner of junction of T-rd. NE., in angle in fence line, 8 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 26 T Texas 1923 H 29"-----	700. 036
Reference mark, 47.1 ft. N. of tablet, on boulder 6 in. underground; chiseled square-----	699. 59
Stampede Church, 1.5 mi. SE. of, in SW. corner of right-angle turn in rd., 250 ft. N. of junction of rd. E., in angle in fence line, 5 ft. from each fence, on boulder flush with ground; chiseled square-----	725. 17
Stampede Church, 1.1 mi. SE., thence 0.3 mi. NE. from, at summit of grade, 60 ft. W. of center line of rd., 60 ft. N. of dwelling, in root on E. side of 12-in. hackberry tree; copper nail and washer-----	776. 29

414 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Stampede Church, 1.1 mi. SE., thence 0.9 mi. NE. from, on W. side of rd., 50 ft. S. of lane, in sharp turn in rd., in root on E. side of 10-in. mesquite tree; copper nail and washer-----	760. 94
Stampede Church, 1.1 mi. SE., thence 1.8 mi. NE. from, 1.3 mi. SW., thence 2.2 mi. SE. from Blair Chapel, in SW. corner of junction of rd. W., in angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 27 T Texas 1923 H 30" ²³ -----	750. 416
Reference mark, 50.4 ft. N.75°W. of tablet, on boulder 6 in. underground; chiseled square-----	746. 95
Blair Chapel, 1.3 mi. SW. of, in NE. corner of junction of NE.-SW. rd., in angle in fence line, 3 ft. from each fence, on boulder flush with ground; chiseled square-----	689. 58
Blair Chapel, about 150 ft. NE. of, at jog in rd., in E. corner of junction of T-rd. NE., in angle in fence line, 4 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 28 T Texas 1923 H 31"-----	707. 874
Reference mark, 165 ft. S.70°E. of tablet, in cemetery, on pointed stone; chiseled square-----	706. 95
Blair Chapel, 0.6 mi. NE. of, 1.6 mi. SE. of Valley Church, in W. corner of junction of T-rd. NW., on boulder flush with ground; chiseled square-----	726. 67
Valley Church, just E. of, 4.0 mi. SE. of Eagle Springs, on NE. side of rd., in line with T-rd. SW., 3 ft. N. of fence line, 15 ft. E. of lane N. through gate to dwelling, in concrete post; standard tablet stamped "Prim Trav Sta No 29 T Texas 1923 H 32"-----	721. 993
Eagle Springs, 3.0 mi. SE. of, on N. side of rd., 2 ft. N. of corner fence post, on boulder flush with ground; chiseled square-----	732. 66
Eagle Springs, 2.0 mi. E. of, on N. side of rd., on W. side of drain, in crotch of willow tree; copper nail and washer-----	741. 19
Eagle Springs, 1.5 mi. E. of, in NW. corner of crossroads, in angle in fence line, 2 ft. from each fence, in concrete post; standard tablet stamped "Prim Trav Sta No 30 T Texas 1923 H 33"-----	771. 127
Eagle Springs, 0.9 mi. E. of, in SE. corner of right-angle turn in rd., in root on N. side of small tree; copper nail and washer-----	792. 00
Eagle Springs, on E. side of rd., at junction of rd. NW. to Gatesville, in root on W. side of 15-in. live-oak tree; copper nail and washer-----	718. 19
Eagle Springs, 0.6 mi. S. of, in right-angle turn in rd., at angle in fence line, 7 ft. from each fence, in concrete post; standard tablet stamped "H 34 1923"-----	742. 829
Eagle Springs, 1.0 mi. S., thence 0.4 mi. SE. from, in SE. corner of crossroads, on large flat boulder; chiseled square-----	720. 34
Eagle Springs, 1.0 mi. S., thence 1.1 mi. SE. from, 1.6 mi. NE. of Holbrook Bridge over Leon River, in SW. corner of rd. junction, in angle in fence line, 3 ft. from each fence, on boulder flush with ground; chiseled square-----	765. 26
Holbrook Bridge, 1.0 mi. NE. of, in SE. corner of rd. junction, in root on E. side of 18-in. live-oak tree; copper nail and washer-----	712. 46
Holbrook Bridge, 0.3 mi. NE. of, 1.4 mi. W. of Stockton Church, 50 ft. S. and 40 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "Prim Trav Sta No 32 T Texas 1923 H 35"-----	611. 021
Reference mark, 22.9 ft. N. of tablet, in root on W. side of 30-in. post-oak tree; copper nail and washer-----	610. 85

²³ In 1937 this bench mark was reported destroyed.

Stockton Church, 0.7 mi. W. of, in rd. fork, on tall stone post, 3 ft. above ground; chiseled square-----	Feet 668. 24
Stockton Church, 250 ft. E. of, 3.2 mi. N. of Comar store at Stampede, in SW. corner of rd. junction, 12 ft. S. and 2 ft. W. from angle in fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 33 T Texas 1923 H 36"-----	689. 873
Stampede, 2.6 mi. N. of, on E. side of rd., on stone post marking Bell-Coryell county line; chiseled square-----	691. 81
Stampede, 1.4 mi. N. of, 20 ft. N. and 50 ft. W. from junction of T-rd. NW., at German Methodist Church, in root on E. side of 24-in. post-oak tree; copper nail and washer-----	715. 42
Stampede, 0.4 mi. N. of, on W. side of rd., at cemetery, in line with T-rd. E. to dwelling, in root on N. side of 12-in. live-oak tree; copper nail and washer-----	708. 64

MANKINS QUADRANGLE

[Latitude 33°45'-34°00'; longitude 98°45'-99°00']

ARCHER, BAYLOR, WICHITA, AND WILBARGER COUNTIES

From China Creek quadrangle southeast along Fort Worth & Denver City Railway into Holliday quadrangle (by C. R. Fisher in 1915)

Fowlkes, 0.8 mi. SE. of sta., 100 ft. S. of main rd., 10 ft. W. of cross rd., 15 ft. E. of telephone pole, 2 ft. S. of N. right-of-way fence; iron post stamped "1059" (recovered by U. S. C. & G. S. in 1933 and stamped "N 114")-----	1, 058. 958
Fowlkes, 3.5 mi. SE. of, 0.8 mi. NW. of Burk sta., 400 ft. S. of Burk-burnett ranch house, at rd. crossing, 50 ft. S. of rd., 40 ft. N. of track, in fence corner; iron post stamped "1031" (recovered by U. S. C. & G. S. in 1933 and stamped "P 114")-----	1, 030. 943

From China Creek quadrangle at point 2 miles south and 0.9 mile east from Electra along roads generally south to road junction 1.8 miles northeast of Beaver Creek School, thence alternately northeast and east to point on Fort Worth & Denver City Railway 0.8 mile northwest of Burk (by C. R. Fisher in 1915)

Electra, 3.6 mi. SE. of, 30 ft. E. of rd., at junction of rd. SE., 420 ft. S. of jog from W. to S., 2 ft. W. of fence; iron post stamped "1173"-----	1, 172. 863
Electra, 6.5 mi. SE. of, 0.2 mi. SW. of ranch house, at turn to SW. in rd., 6 ft. NW. of SE. fence corner; iron post stamped "1135"-----	1, 135. 046
Electra, 8.9 mi. SE. of, 1.8 mi. NE., thence 0.2 mi. N. from Beaver Creek School, on summit of hill, 100 ft. S. of turn in rd., at W. fence line, 40 ft. S. of large fence post, in sandstone rock; standard tablet stamped "1116"-----	1, 115. 980
Beaver Creek School, 2.8 mi. NE. of, 1.5 mi. SW. of ranch house of John Wagner, near creek bottom, 10 ft. N. of fence corner; top of sandstone rock-----	1, 053. 30
Wagner ranch house, 0.6 mi. N. of, at right-angle turn from N. to E. in rd., 12 ft. S. of SE. fence corner; iron post stamped "1110"-----	1, 109. 909
Wagner ranch house, 0.6 mi. N., thence 2.6 mi. SE. from, 0.8 mi. NW., thence 3.8 mi. SW. from Burk, 30 ft. E. of rd. junction, 3 ft. N. of S. fence line; iron post stamped "1055"-----	1, 054. 828
Burk, 0.8 mi. NW., thence 2.0 mi. SW. from sta., 30 ft. SE. of rd., in root of mesquite tree; copper nail-----	1, 056. 87

416 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From Holliday quadrangle at point 2.7 miles southwest of Deep Creek School generally southwest along roads to Rocky Point School, thence northwest to road junction 0.2 mile west of Wagner ranch (by R. R. Monbeck in 1916)

Deep Creek School, 3.0 mi. SW. of, 50 ft. NE. of drain crossing, 10 ft. SE. of rd., 40 ft. SW. of gate, in sandstone outcrop; standard tablet stamped "1039"-----	Feet 1, 040. 920
Deep Creek School, 4.1 mi. SW. of, 15 ft. N. of rd. and wooden gate, 30 ft. NE. of junction of rd. NW., at foot of brace to N. gatepost, on E. corner of sandstone; chiseled square-----	1, 018. 10
Deep Creek School, 4.9 mi. SW. of, 150 ft. SW. of rd. fork, at NW. corner of bridge over small creek, in pasture of Tom Mitchell, 2 ft. SE. of chinaberry tree, on top of red sandstone; chiseled circle--	999. 35
Deep Creek School, 6.0 mi. SW. of, 4.1 mi. by rd. NE. of Rocky Point School, about 0.2 mi. NW. of ranch house of Tom Mitchell, 40 ft. S. of rd. at point where rd. crosses low sandstone ridge, in top of sandstone ledge; standard tablet stamped "1005"-----	1, 006. 718
Rocky Point School, 3.0 mi. NE. of, on W. side of Wolf Creek, 150 ft. NE. of summit of high grassy hill, 10 ft. S. of rd., in base of mesquite tree; copper nail-----	1, 062. 05
Rocky Point School, 2.5 mi. NE. of, 0.2 mi. NW. of McCarty ranch house, at wire gate, beside W. gatepost; top of steel file-----	1, 046. 18
Rocky Point School, 2.0 mi. NE. of, on summit of grassy ridge, 400 ft. SE. of crossroads, 40 ft. NE. of rd., in base of mesquite tree; copper nail-----	1, 066. 83
Rocky Point School, 120 ft. NW. of, 25 ft. E. of rd., 3 ft. SE. of corner fence post; iron post stamped "1014" ²⁴ -----	1, 014. 976
Reference mark, at school, in base of mesquite tree; copper nail----	1, 018. 04
Rocky Point School, 1.1 mi. NW. of, 100 ft. N. of small bridge, 50 ft. NE. of junction of rd. SW., 10 ft. E. of rd., in crotch of mesquite tree, about 18 in. above ground; copper nail-----	1, 044. 76

From China Creek quadrangle at point 4.3 miles southwest of Electra generally south and east across country and along roads by way of Potato Hill to Beaver Creek School, thence southeast and northeast to Rocky Point School (by R. R. Monbeck in 1916)

Electra, 4.6 mi. by direct rd. SW. of, at foot of hill, at N. side of E.-W. lane, in fence line S., 1 ft. N. of fence; iron post stamped "1147" (recovered in 1926)-----	1, 147. 077
Electra, 4.6 mi. SW., thence 1.2 mi. S. from, about 800 ft. W. of deserted ranch house, 130 ft. W. of small creek, in leaning trunk of large mesquite tree, 1 ft. above ground; copper nail-----	1, 120. 76
Electra, 4.6 mi. SW., thence 2.0 mi. S. from, 2.6 mi. N. of Stone ranch house, about 1 mi. S. of deserted ranch house, at intersection of rd. to Ronda School, on W. slope of ridge, 50 ft. N. of small drain, 15 ft. N. of rd.; iron post stamped "1110"-----	1, 109. 613
Stone ranch house, 1.7 mi. N. of, about 0.5 mi. E. of Ronda School, 350 ft. NW. of wire fence, in base of large mesquite tree; copper nail--	1, 116. 66
Stone ranch house, 600 ft. SW. of, 30 ft. S. of windmill, in root of large elm tree; copper nail-----	1, 044. 75
Stone ranch house, 1.0 mi. SW. of, 1.8 mi. NW. of Potato Hill, 1.0 mi. S. of Melton ranch house, 250 ft. SW. of steel bridge over Beaver Creek, 100 ft. E. of small unpainted house, in fence line, beside gatepost; iron post stamped "1051"-----	1, 050. 757

²⁴ In 1925 it was reported that this bench mark had been destroyed in road grading.

	<i>Feet</i>
Potato Hill, 0.2 mi. NW. of, at N. end of lane, near corner fence post, on stone; chiseled square.....	1, 096. 37
Potato Hill, 500 ft. SW. of, on summit of ridge, 15 ft. N. of rd.; iron post stamped "1120".....	1, 121. 012
Potato Hill, 1.1 mi. SE. of, 2.5 mi. SW. of Beaver Creek School, 200 ft. W. of gate of rd. to ranch house of George B. Ansell, 450 ft. SW. of junction of rd. NE., 10 ft. N. of rd., in stub of limb of large mesquite tree, 2 ft. above ground; wire nail.....	1, 069. 29
Beaver Creek School, 0.6 mi. SW. of, 300 ft. SW. of small unpainted house, at rd. fork, 20 ft. E. of gate, 1 ft. N. of fence line; iron post stamped "1046".....	1, 046. 925
Beaver Creek School, 1.1 mi. S. of, 30 ft. N. of dim rd. fork and gate in N.-S. wire fence, 10 ft. E. of fence line, in crotch of mesquite tree, 1 ft. above ground; wire nail.....	1, 033. 49
Beaver Creek School, 2.1 mi. SE. of, about 1 mi. N. of Hamilton triangulation sta., 5.8 mi. SW. of Rocky Point School, 480 ft. W. of gate to Hamilton pasture, 40 ft. S. of dim rd., 100 ft. N. of wire fence, in top of sandstone ledge; standard tablet stamped "1075".....	1, 075. 535
Rocky Point School, 5.3 mi. SW. of, 200 ft. W. of old ranch house on Hamilton ranch, at E. end of barnyard gate, in butt of mesquite tree; copper nail.....	1, 110. 30
Rocky Point School, 4.0 mi. SW. of, about 1 mi. E. of Hamilton triangulation sta., on summit of divide, 300 ft. NE. of crossroads, 50 ft. N. of rd., in root of small mesquite tree; copper nail.....	1, 137. 82
Rocky Point School, 2.8 mi. SW. of, 0.5 mi. W. of ranch house, on summit of divide, at pasture gate, 5 ft. N. of fence corner; iron post stamped "1139".....	1, 139. 421
Rocky Point School, 1.9 mi. SW. of, 0.3 mi. NE. of ranch house of Jim Hamilton, near summit of divide, 30 ft. SE. of rd., in trunk of large mesquite tree, 1 ft. above ground; copper nail.....	1, 108. 88
Rocky Point School, 0.9 mi. SW. of, 270 ft. NE. of rd. fork, at edge of creek bank, 10 ft. N. of rd., in fence line, in base of mesquite tree; copper nail.....	1, 016. 39

From Dundee quadrangle at point 3.6 miles north and 2 miles east from Black Flat School north and northeast along roads to Mankins, thence northeast along Wichita Valley Railway into Holliday quadrangle (by C. E. Walker in 1926)

Mankins, at N. entrance of schoolhouse, in E. end of lower concrete step; standard tablet stamped "WA 106 Tex 1926" (recovered by U. S. C. & G. S. in 1934).....	1, 115. 346
Reference mark, at N. entrance to school, on NW. end of concrete step; chiseled square.....	1, 115. 34

From Dundee quadrangle at point about 5 miles northwest of Dads Corner along road northwest, west, and south and back into Dundee quadrangle at point 3.6 miles north and 2 miles east from Black Flat School (by J. A. Shumate in 1929)

Mankins, 2.0 mi. S. and 1.5 mi. E. from, 1.0 mi. NW. of Holliday Creek ford, on S. side of rd., in crotch of 5-in. mesquite tree; copper nail and washer.....	1, 056. 56
Mankins, 2.0 mi. S. and 0.5 mi. E. from, about 500 ft. E. of warehouse on top of hill, 100 ft. S. of rd., in bench on N. side of 6-in. mesquite tree; copper nail and washer.....	1, 088. 43

MARBLE FALLS QUADRANGLE

[Latitude 30°30'–30°45'; longitude 98°15'–98°30']

BURNET AND LLANO COUNTIES

From Bertram quadrangle along Houston & Texas Central Railroad ²² west and northwest into Llano No. 4 quadrangle (by Thomas Winsor in 1898; leveled twice from Fairland to Kingsland)

Fairland, 3.0 mi. NE. of, 0.2 mi. N. of Suddath section house, on S. side of private rd., 27 ft. W. of track; iron post stamped "1142 SA" and "Prim Trav Sta No 49 K 1924"-----	1, 135. 165
Fairland, at E. side of sta.; top of rail-----	965. 7
Fairland, 70 ft. SW. of track of Marble Falls Branch, on SE. side of Burnett-Fredericksburg rd.; iron post stamped "953 SA" and "Prim Trav Sta No 48 K 1924" (recovered by U. S. C. & G. S. in 1933)-----	946. 291
Fairland, 3.0 mi. W. of, 6.4 mi. SE. of Kingsland, on SE. side of intersection of Burnet-Fredericksburg rd., 44 ft. S. of track, near right-of-way fence corner; iron post stamped "992 SA" and "Prim Trav Sta No 47 K 1924" (recovered by U. S. C. & G. S. in 1933)-----	985. 093
Kingsland, 3.0 mi. SE. of, 110 ft. W. of trestle 76-C, 52 ft. S. of track, on N. side of rd.; iron post stamped "881 SA" and "Prim Trav Sta No 46 K 1924" (recovered in 1924; also recovered by U. S. C. & G. S. in 1933)-----	874. 349
Kingsland, near SW. corner of small park opposite sta., 21 ft. N. of main track; iron post stamped "856 SA" and "Prim Trav Sta No 75 K 1924" (recovered in 1924; also recovered by U. S. C. & G. S. in 1933)-----	849. 306
Kingsland, 3.1 mi. NW. of, at junction of old Fort Mason and Kingsland-Llano rds., 70 ft. W. of track, 23 ft. N. of twin elm tree used as milepost, "Kingsland 3.5 mi."; iron post stamped "954 SA"-----	946. 474
Kingsland, 5.4 mi. NW. of, on W. side of settlement rd., 0.2 mi. SE. of bridge 85-B over Sandy Creek, 27 ft. SW. of track; iron post stamped "914 SA" (recovered by U. S. C. & G. S. in 1933)-----	906. 609
From Blanco No. 2 quadrangle near Smith ranch along roads northeast to Marble Falls, thence north along Houston & Texas Central Railroad to Fairland (by Thomas Winsor in 1898)	
Smith ranch, 3.0 mi. NE. of, 200 ft. SW. of Bridge farmhouse, on S. side of rd., 6 ft. S. of gate; iron post stamped "979 SA" and "Prim Trav Sta No 68 K 1924" (recovered in 1925)-----	971. 898
Smith ranch, 6.0 mi. NE. of, 7.6 mi. SW. of R. R. sta. at Marble Falls, 25 ft. SW. of rd., 35 ft. NW. of Slickrock Creek; iron post stamped "834 SA" and "Prim Trav Sta No 67 K 1924" (recovered in 1925)-----	826. 940
Marble Falls, 4.6 mi. SW. of, on N. side of rd., near wire fence, 5 ft. S. of 15-in. post-oak tree used as gatepost; iron post stamped "827"-----	819. 886
Marble Falls, 0.9 mi. SW. of, 7 ft. SE. of rd., 250 ft. SW. of bridge over Colorado River, 50 ft. NE. of rd. fork, in limestone outcrop; aluminum tablet stamped "790"-----	782. 748
Marble Falls, Initial Monument, top of-----	781. 40
Marble Falls, 60 ft. NE. of NE. corner of Houston & Texas Central R. R. sta., at SE. corner of park; iron post stamped "764" (recovered in 1924; also recovered by U. S. C. & G. S. in 1935)-----	756. 911

²² Formerly the Austin & Northwestern R. R.; now part of the Texas & New Orleans Division of the Southern Pacific Co.

Marble Falls, 3.7 mi. N. of, 2.0 mi. S. of Fairland, 600 ft. N. of mile-post A-73, 50 ft. E. of track, on N. side of settlement rd., at right-of-way fence corner; iron post stamped "897" (recovered in 1924; also recovered by U. S. C. & G. S. in 1935)-----	Feet 889. 979
From point 3.1 miles northwest of Kingsland along roads northeast into Tow quadrangle at point about 3.5 miles west of Burnet (by Thomas Winsor in 1899)	
Mason Crossing, on W. bank of Colorado River, 50 ft. SW. of bend in rd.; iron post stamped "834 SA"-----	826. 908
Mason Crossing of Colorado River, 2.8 mi. NE. of, at junction of old Fort Mason and Marble Falls-Bluffton rds., 200 ft. S. of Moore store; iron post stamped "883 SA" and "Prim Trav Sta No 44 K 1924" (recovered in 1924) ²⁶ -----	877. 730
Mason Crossing, 5.4 mi. NE. of, 8.0 mi. SW. of Burnet, on SE. side of rd., 50 ft. NE. of milestone "8 M," near live-oak tree; iron post stamped "1261 SA"-----	1, 254. 063
Burnet, 5.0 mi. SW. of, on S. side of rd., 6 ft. W. of milestone "B 5," near wire fence; iron post stamped "1390 SA"-----	1, 382. 711
From Tow quadrangle south along roads to point on Southern Pacific Railroad 5.4 miles northwest of Kingsland (by E. E. Harris in 1924)	
Long Mountain School, 2.7 mi. NE. of, on W. side of rd., on E. bank of Sandy Creek, in root on E. side of 20-in. live-oak tree; copper nail and washer-----	980. 22
Long Mountain School, 1.6 mi. NE. of, at rd. fork, 500 ft. S. of plank gate in fence line crossing rd., in root on W. side of 12-in. blackjack tree; copper nail and washer-----	981. 12
Long Mountain School, 0.9 mi. NE. of, 150 ft. S. of house, on E. side of rd., in root on E. side of 8-in. mesquite tree; copper nail and washer-----	948. 57
Long Mountain School, 0.5 mi. E. of, in NE. corner of rd. junction, in root on W. side of 12-in. post-oak tree; copper nail and washer--	935. 91
From point 2.8 miles northeast of Mason Crossing southwest along roads to Kingsland (by E. E. Harris in 1924)	
Kingsland, 5.0 mi. NE. of, in NW. corner of junction of T-rd. W., 30 ft. S. of plank gate in fence line crossing rd., in root on E. side of 8-in. mesquite tree; copper nail and washer-----	934. 76
Kingsland, 4.2 mi. NE. of, on W. side of sharp turn in rd., at junction of third-class rd. E., in root on E. side of live-oak tree; copper nail and washer-----	902. 10
Kingsland, 3.1 mi. NE. of, on Burnet rd., 50 ft. S. of big bend in rd., on S. bank of creek, 50 ft. W. of ruins, in sandstone ledge; standard tablet stamped "Prim Trav Sta No 45 K 1924 Texas H 163"-----	919. 696
Reference mark, 115.5 ft. S.65°W. of tablet, on top of pink granite ledge; chiseled square-----	915. 20
Kingsland, 2.1 mi. NE. of, on E. edge of sharp turn in rd., in bottom, on S. bank of drain, in root on E. side of 10-in. post-oak tree; copper nail and washer-----	838. 88

²⁶ In 1940 this mark was moved 88 feet N. 62°45' W. of this position and reset 1.748 feet higher than its original elevation. The figures given represent the new elevation.

The revised description of this mark is "Mason Crossing, 2.8 mi. NE. of, 1.2 mi. SE. of E. end of Inks Dam, 250 ft. S. of junction of rd. NW., 6 ft. inside W. right-of-way line of Kingsland-Burnet rd. (Hoovers Valley rd.), in concrete post; standard tablet stamped 'P T Sta K 1924 Reset 1940.' "

420 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Kingsland, 1.3 mi. NE. of, 35 ft. W. of center line of rd., 20 ft. S. of gate and cattle guard in fence line crossing rd., in root on E. side of 12-in. blackjack tree; copper nail and washer.....	Feet 890. 78
Colorado River; surface of water (low water) Nov. 21, 1924.....	796. 1
Kingsland, in front of R. R. sta.; top of near rail.....	849. 4
From Kingsland along roads northwest 4.1 miles into Llano No. 4 quadrangle (by E. E. Harris in 1924)	
Kingsland, 1.1 mi. W. of, on S. side of rd., 5 ft. W. of gate in fence line crossing rd., in root on N. side of 12-in. post-oak tree; copper nail and washer.....	874. 43
Kingsland, 2.1 mi. NW. of, at summit of grade, on N. side of rd., in root on S. side of 12-in. post-oak tree; copper nail and washer.....	919. 42
Kingsland, 3.0 mi. NW. of, 150 ft. E. of E. end of concrete spillway over Llano River, 30 ft. S. of rd., in top of sandstone ledge; standard tablet stamped "H 164 1924".....	845. 437
Reference mark, 68.1 ft. N.80°E. of tablet, on sandstone ledge; chiseled square.....	845. 96
Kingsland, 3.0 mi. NW. of, at concrete spillway over Llano River, on top of N. guardrail over main stream; chiseled square.....	827. 33
Llano River; surface of water Nov. 22, 1924.....	824. 0
Kingsland, 4.0 mi. W. of, 0.6 mi. E. of Gainesville School, in SW. corner of rd. junction, in root on N. side of 24-in. live-oak tree; copper nail and washer.....	866. 00
From Llano No. 4 quadrangle along roads east 0.6 mile, thence north 0.3 mile to point on Southern Pacific Railroad 5.4 miles northwest of Kingsland (by E. E. Harris in 1924)	
Kingsland, about 6 mi. along old Kingsland-Llano rd. NW. of, in NE. corner of dim crossroads, in root on E. side of 10-in. post-oak tree; copper nail and washer.....	917. 93
From Marble Falls north along Southern Pacific Railroad to point 2 miles south of Fairland, thence along roads east and southeast into Bertram quadrangle (by R. G. Clinite in 1924)	
Marble Falls, 1.0 mi. N. of, 1.1 mi. S. of Granite Mtn. Sta., 12 ft. W. of W. rail, 20 ft. N. of stone culvert, on N. side of footpath, on long sharp rock; chiseled square.....	806. 68
Granite Mtn. Sta., 300 ft. SE. of, 3.6 mi. S. of Fairland, on N. side of rd., in root of 40-in. live-oak tree; copper nail.....	848. 27
Fairland, 1.2 mi. S. of, on E. side of Marble Falls-Burnet rd., 150 ft. SE. of red gate at junction of settlement rd., on E. side of 11-in. live-oak tree; copper nail.....	926. 79
Fairland, 1.2 mi. S. and 0.6 mi. E. from, on S. side of settlement rd., 250 ft. W. of house, in root of live-oak tree; copper nail.....	991. 06
Fairland, 2.1 mi. S. and 1.0 mi. E. from, in NE. angle of rd. fork, 220 ft. E. of white house on hill, 300 ft. W. of shanty, in root of 8-in. post-oak tree; copper nail.....	966. 84
From Granite Mountain Station along roads northwest 6 miles, thence generally north to point on Southern Pacific Railroad 3 miles southeast of Kingsland (by R. G. Clinite in 1924)	
Granite Mtn. Sta., 1.4 mi. W. of, between gate and cattle guard, in root of 12-in. post-oak tree; copper nail.....	912. 94
Granite Mtn. Sta., 2.2 mi. NW. of, on S. side of Kingsland rd., in triangle at junction of rd. SW.; iron post stamped "C 3 1924".....	945. 852

Reference mark, 100 ft. NW. of post, in root on S. side of 18-in. post-oak tree; copper nail.....	Feet 946. 91
Granite Mtn. Sta., 3.0 mi. NW. of, 20 ft. NW. of cattle guard, in root on N. side of 14-in. post-oak tree; copper nail.....	910. 20
Granite Mtn. Sta., 4.5 mi. NW. of, in SE. angle of rd. junction, in root of 14-in. post-oak tree; copper nail.....	900. 20
Granite Mtn. Sta., 6.0 mi. NW. of, 200 ft. E. of junction of Fairland and Kingsland-Marble Falls rds., at S. corner of cattle pen; iron post stamped "C 4 1925" (recovered in 1930).....	855. 218
Reference mark, 470 ft. E. of iron post, on N. side of rd., near junction of old rd. S., on E. side of creek, in base of 16-in. post-oak tree; copper nail.....	840. 03
Granite Mtn. Sta., 6.9 mi. NW. of, 3.5 mi. in air line SE. of Kingsland, on NE. side of rd., in N. angle of junction of Kingsland-Marble Falls rd. and second-class rd. N., on concrete wall of cattle guard; chiseled square.....	866. 23
Kingsland, 1.7 mi. S. and 2.0 mi. E. from, in SW. angle of crossing of second-class rd., about 0.3 mi. S. of R. R., in root of 11-in. live-oak tree; copper nail.....	844. 96
From point 6 miles northwest of Granite Mountain Station south along roads to point 3 miles northeast of Smith ranch (by R. G. Clinite in 1925; leveled twice)	
Sandy Mtn., 1.3 mi. in air line E., thence 1.7 mi. by rd. N. from, in NW. angle of rd. fork, in root on SW. side of 24-in. live-oak tree; copper nail.....	857. 46
Sandy Mtn., 1.3 mi. E. of, at S. boundary of Phillips ranch, 100 ft. S. of gate, on E. side of rd., at junction of rd. E., in root of 12-in. post-oak tree; copper nail.....	856. 57
Sandy Mtn., 1.5 mi. SE. of, 2.3 mi. S. of Phillips ranch, on N. bank of Colorado River, 9.0 mi. above Marble Falls, 300 ft. SE. of SE. corner of cottonfield, 25 ft. W. of dim rd., 35 ft. S. of wire gate; iron post stamped "C 6 1925".....	806. 092
Reference mark, 13 ft. E. of iron post, in root of mesquite tree; copper nail.....	806. 28
Colorado River; surface of water Jan. 2, 1925.....	765. 5
Marble Falls, about 9 mi. by rd. W. of, on N. side of Marble Falls-Sandy Mtn. rd., opposite second-class rd. S., 100 ft. E. of gate, in root of 12-in. leaning live-oak tree; copper nail.....	847. 82
Marble Falls, about 9 mi. by rd. SW. of, in NE. angle of junction of Marble Falls-Fredericksburg rd. and second-class rd. N., in root on N. side of 28-in. live-oak tree; copper nail.....	917. 92
From point 3 miles northeast of Smith ranch along roads northwest to Sandy Creek, thence generally north to Kingsland (by R. G. Clinite in 1925)	
Bridge farmhouse (abandoned), 1.4 mi. NW. of, on S. side of rd., in root of 10-in. mesquite tree; copper nail.....	967. 39
Bridge farmhouse, 2.8 mi. NW. of, on S. side of rd., 1,200 ft. E. of rd. junction, 1,000 ft. NE. of dwelling, in base of crooked mesquite tree; copper nail.....	970. 91
Bridge farmhouse, 3.0 mi. NW. of, 11.1 mi. S. of Southern Pacific R. R. sta. at Kingsland, on E. side of rd., 90 ft. NE. of gate to rd. leading E. to Marble Falls-Fredericksburg rd., at offset in fence, 45 ft. E. of fence corner, 7 ft. N. of fence; iron post stamped "C 15 1925".....	971. 386

422 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Reference mark, 15 ft. SW. of post, on fence line, in root of 10-in. mesquite tree; copper nail.....	Feet 970. 94
Walnut Creek; surface of water Jan. 26, 1925.....	908. 4
Kingsland, 10.2 mi. S. of, on SW. side of rd., near summit of ridge between Walnut Creek and Sandy Creek, in root of 18-in. post-oak tree; copper nail.....	994. 89
Kingsland, 8.4 mi. SW. of, 4.0 mi. S. and 2.0 mi. E. from Packsaddle Mtn., 190 ft. NW. of Sandy Creek, 45 ft. N. of NW. end of concrete causeway, 15 ft. W. of second-class rd.; iron post stamped "Prim Trav Sta No 72 K 1924 C 16" (recovered in 1930).....	875. 278
Reference mark, 25 ft. E. of iron post, in root of 15-in. pecan tree; copper nail.....	871. 47
Sandy Creek; lowest part of causeway.....	865. 4
Kingsland, 7.0 mi. S. of, 250 ft. NE. of Sandy Creek crossing, on SE. side of rd., in root of 10-in. mesquite tree; copper nail.....	854. 29
Kingsland, 5.7 mi. S. of, in NE. angle of rd. fork, at junction of rd. NE. to Wolf Crossing, 200 ft. S. of house, in root of 16-in. mesquite tree; copper nail (recovered in 1930).....	920. 13
Kingsland, 3.4 mi. S. and 1.0 mi. W. from, 2.0 mi. E. of Packsaddle Mtn., 15 ft. W. of gate, on W. side of rd., 35 ft. S. of junction of dim rd. NW., on N. side of wire fence; iron post stamped "C 17 1925" (recovered in 1930).....	1, 042. 889
Reference mark, 15 ft. NE. of iron post, in root of small mesquite tree; copper nail.....	1, 042. 76
Kingsland, 2.0 mi. S. and 0.4 mi. W. from, in SE. angle of rd. junction, 30 ft. SW. of gate, in root of 18-in. forked post-oak tree; copper nail.....	903. 76
Kingsland, 1.5 mi. S. and 1.2 mi. W. from, 300 ft. N. of house of J. M. Haywood, 140 ft. W. of rd. to house, on S. bank of Llano River, in large boulder; standard tablet stamped "Prim Trav Sta No 74 K 1924 C 18".....	834. 166
Reference mark, 500 ft. NE. of tablet, on W. side of rd., on S. bank of Llano River, in root of 20-in. elm tree; copper nail.....	808. 71
Llano River; surface of water Jan. 29, 1925.....	804. 2
Kingsland, 0.5 mi. S. and 1.0 mi. W. from, in SE. angle of rd. junction, 60 ft. SW. of gate, in root of 18-in. post-oak tree; copper nail..	865. 30

From point 9 miles southwest of Marble Falls along roads generally south and east to crossroads 4.8 miles south of Marble Falls, thence north to Marble Falls (by R. G. Clinite in 1925)

Crownover ranch, 0.6 mi. SE. of, 1.2 mi. NW. of Beakley Brothers ranch house, on W. side of old rd., on summit of ridge, 40 ft. SW. of gate, in root of 10-in. live-oak tree; copper nail.....	1, 148. 72
Beakley Brothers ranch house, 400 ft. W. of, on W. bank of fork of Slickrock Creek, on N. side of rd., in root of 26-in. elm tree; copper nail.....	1, 119. 74

[Line jogs into Blanco No. 2 quadrangle]

Beakley Brothers ranch house, 3.0 mi. E. of, 35 ft. SW. of gate, at E. boundary of ranch, on S. side of rd., in root of 10-in. live-oak tree; copper nail.....	1, 146. 30
Beakley Brothers ranch house, 4.1 mi. E. of, 1.1 mi. W. of ranch of Oscar Foss, in SW. angle of junction of rd. S. to Metzger ranch, on W. side of rd., in root of 28-in. live-oak tree; copper nail.....	1, 118. 66

Marble Falls, 4.8 mi. S., thence 3.5 mi. W. from Southern Pacific R. R. sta. at, 0.2 mi. W. of ranch of Oscar Foss, on S. side of rd., 80 ft. N. of dry creek, at junction of cowpath SW.; iron post stamped "C 8 1925" ²⁷ -----	Feet 1, 134. 432
Reference mark, 23 ft. NE. of iron post, in root of 10-in. mesquite tree; copper nail-----	1, 133. 60
U. S. C. & G. S. standard disk stamped "S 322 1935" ²⁸ -----	1, 166. 359
Foss ranch, 1.3 mi. E. of, on N. side of rd., on W. side of Flatrock Creek, in root of 14-in. live-oak tree; copper nail-----	1, 099. 71
Foss ranch, 2.1 mi. E. of, 4.8 mi. S., thence 1.3 mi. W. from Marble Falls, on W. bank of Flatrock Creek, on S. side of rd., 60 ft. SE. of spring, in root of 26-in. pecan tree; copper nail-----	1, 006. 41
Marble Falls, 4.8 mi. S. of, in NW. angle of intersection of Marble Falls-Johnson City rd. and settlement rd., 85 ft. N. and 12 ft. W. from gate on W. side of rd., opposite gate on E. side; iron post stamped "C 9 1925"-----	1, 028. 289
Reference mark, 56 ft. SW. of iron post, in root of 8-in. oak tree; copper nail-----	1, 028. 03
Marble Falls, 3.8 mi. S. of, on E. side of Marble Falls-Johnson City rd., 65 ft. N. of gate at junction of second-class rd. SE., in rock in place; standard tablet stamped "Prim Trav Sta No 61 K 1924 C 10"-----	1, 002. 086
Marble Falls, 2.8 mi. S. of, on W. side of rd., 75 ft. NW. of junction of Austin rd., in base of 20-in. live-oak tree; copper nail-----	884. 58
Marble Falls, 1.7 mi. S. of, on W. side of Marble Falls-Austin rd., 280 ft. N. of bend in rd., 140 ft. N. of gate, in root of 12-in. cedar tree; copper nail-----	901. 92
Marble Falls, near center of bridge over Colorado River, on W. side, on iron railing 3.1 ft. above floor of bridge, even with N. end of measuring scale of stream gaging sta.; circle-----	767. 89
Marble Falls, near S. limits of, on W. side of rd., 80 ft. W. of N. end of bridge over Colorado River, in limestone boulder; standard tablet stamped "Prim Trav Sta No 60 K 1924 C 11" (recovered by U. S. C. & G. S. in 1933)-----	765. 609
Marble Falls, in SW. part of, 400 ft. NW. of steel bridge over Colorado River, 280 ft. N. of textile mill, on W. side of rd., on top of granite monument; point of arrow cut in stone-----	781. 36
From point 6 miles west of Granite Mountain Station along road southwest to point 5.7 miles south of Kingsland (by E. E. Harris in 1930)	
Wolf Crossing, 60 ft. S. of, on E. bank of Colorado River, in root on E. side of large willow tree; copper nail and washer-----	782. 97
Colorado River; surface of water (normal) June 2, 1930-----	774. 6
Wolf Crossing, about 300 ft. W. of, on top of hill, at edge of clearing, in root on W. side of 36-in. pecan tree; copper nail and washer-----	806. 09
Wolf Crossing, 0.6 mi. W. of, 95 ft. W. of Sandy Mtn. School, in root on SW. side of leaning live-oak tree; copper nail and washer-----	859. 44
Sandy Mtn. School, 0.9 mi. SW. of, 13 ft. SE. of center line of rd., in prominent rock ledge; standard tablet stamped "H 131 1930"-----	849. 936
Reference mark, 90 ft. N.70°E. of tablet, on rock ledge; chiseled square-----	846. 89
Sandy Mtn. School, 1.9 mi. SW. of, on S. side of rd., 75 ft. E. of wash, in root on N. side of leaning live-oak tree; copper nail and washer--	940. 97

²⁷ By comparison with the elevations of adjacent marks, this post appears to have been slightly disturbed.

²⁸ The tie between this mark and the bench mark stamped "C 8 1925" was made in 1936.

From point 3.4 miles south and 1 mile west from Kingsland west along road into Llano No. 4 quadrangle (by E. E. Harris in 1930)

Kingsland, 3.3 mi. S. and 1.9 mi. W. from, on N. side of wash, 50 ft. W. of gate, in crotch of mesquite tree; copper nail and washer-----	Feet 955. 22
Kingsland, 3.4 mi. S. and 2.7 mi. W. from, about 0.5 mi. SE. of E. end of Packsaddle Mtn., 40 ft. SE. of turn N. in rd., in root on SE. side of large mesquite tree; copper nail and washer-----	934. 02
Kingsland, 3.4 mi. S. and 3.2 mi. W. from, about 1 mi. S. of Packsaddle Mtn., in NW. corner of rd. junction, on N. side of main creek, on E. bank of small drain from NW., 100 ft. SW. of house, in stone post; standard tablet stamped "H 132 1930"-----	961. 517
Reference mark, 83 ft. E. of tablet, in root on S. side of 20-in. mesquite tree; copper nail and washer-----	962. 04

From Llano No. 4 quadrangle along road southeast to point 8.4 miles southwest of Kingsland, thence southwest and back into Llano No. 4 quadrangle (by E. E. Harris in 1930)

Sandy Creek, 2.0 mi. NW. of, 13 ft. SW. of center line of rd., 9 ft. NE. of fence line, 75 ft. SE. of drain, in rock ledge; standard tablet stamped "H 133 1930"-----	1, 005. 012
Sandy Creek, 1.0 mi. NW. of, in E. corner of junction of rd. NE. to Kingsland and Wolf Crossing of Colorado River, in root on S. side of leaning mesquite tree; copper nail and washer-----	967. 73
Sandy Creek, 1.0 mi. SW. of, 0.9 mi. NE. of Franklin ranch, on SE. side of rd., 85 ft. SW. of gate, in root on NW. side of 10-in. mesquite tree; copper nail and washer-----	937. 40
Franklin ranch, on S. side of rd., at summit of grade, 20 ft. N. of gate to ranch headquarters, in root on W. side of 12-in. mesquite tree; copper nail and washer-----	975. 70

MARIETTA QUADRANGLE ²⁹

[Latitude 33°45'-34°00'; longitude 97°00'-97°15']

COOKE COUNTY

From Woodbine quadrangle at point 12 miles northeast of Gainesville along roads north 0.8 mile, thence east 2.7 miles, thence south 1.1 miles and back into Woodbine quadrangle at point 3.9 miles north of Callisburg (by M. S. Bright in 1902)

Callisburg, 5.0 mi. N., thence 2.7 mi. W. from, about 50 ft. S. of small drain, in NE. angle of rd. junction; iron post stamped "845 Gainsv" ..	847. 466
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From Woodbine quadrangle at point 10.6 miles northwest of Gainesville northwest along road to Sivells Bend, thence southwest 1.7 miles into Leon quadrangle (by M. S. Bright in 1902)

Gainesville, 13.3 mi. NW. of, 7.0 mi. S. of Sivells Bend, 1.3 mi. NW. of bridge over Fish Creek, 400 ft. SE. of Lauderdale residence, at junction of lane E., at NE. fence corner; iron post stamped "807 Gainsv" ..	809. 239
Sivells Bend, about 0.2 mi. W. of residence of Dr. Harrison, 120 ft. E. of turn in main rd., on N. side of rd., at SW. corner of post office in Greever Brothers General Store; iron post stamped "874 Gainsv" ..	875. 819

²⁹ The greater part of this quadrangle, north of the Red River, lies in Oklahoma.

MENARD NO. 1 QUADRANGLE

[Latitude 30°45′-31°00′; longitude 99°30′-99°45′]

McCULLOCH AND MENARD COUNTIES

From Eden No. 4 quadrangle at point about 4.5 miles southwest of Callan along road southwest into Menard No. 2 quadrangle at point about 5 miles northeast of Menard (by E. E. Harris in 1925)

Callan, 4.7 mi. SW. of, 7.6 mi. NE. of Menard County courthouse at Menard, on E. side of rd., at foot of grade, in top of prominent limestone ledge; standard tablet stamped "H 233 1925"-----	Feet 1, 994. 106
Reference mark, 69.6 ft. N. of tablet, on top of limestone ledge; chiseled square-----	1, 995. 56
Menard, 6.7 mi. NE. of, at summit of grade between two draws, on E. side of rd., in root on N. side of 15-in. live-oak tree; copper nail and washer-----	1, 972. 60
Menard, 5.7 mi. NE. of, 100 ft. W. of rd., in root on E. side of lone 10-in. mesquite tree; copper nail and washer-----	1, 982. 26

MENARD NO. 2 QUADRANGLE

[Latitude 30°45′-31°00′; longitude 99°45′-100°00′]

MENARD COUNTY

From Menard No. 1 quadrangle at point about 5 miles northeast of Menard along roads southwest into Menard No. 3 quadrangle at point about 14 miles southwest of Menard (by E. E. Harris in 1925)

Menard, 4.8 mi. NE. of, on W. side of rd., in root on W. side of southernmost of three live-oak trees in row; copper nail and washer-----	1, 994. 56
Menard, 4.3 mi. NE. of, on N. side of angle in rd., 50 ft. W. of gate in fence line crossing rd., in root on S. side of 8-in. live-oak tree; copper nail and washer-----	2, 030. 67
Menard, 3.4 mi. NE. of, in SE. corner of rd. fork, 3 ft. S. and 15 ft. E. from right angle in fence line, in limestone post; standard tablet stamped "H 234 1925"-----	2, 033. 973
Reference mark, 165 ft. N.70°E. of tablet, in root on W. side of small mesquite tree; copper nail and washer-----	2, 036. 13
Menard, 3.1 mi. NE. of, 5 ft. W. of gate in fence line crossing rd., on S. side of rd., in root on W. side of prominent live-oak tree; copper nail and washer-----	1, 960. 18
Menard, 2.1 mi. N. of, on W. side of Eden rd., in line with T-rd. E. to Brady, 1 ft. W. of fence line, in root on W. side of 15-in. live-oak tree; copper nail and washer-----	2, 008. 06
Menard, 1.0 mi. N. of, 60 ft. E. of State highway, 80 ft. N. of crossroads, in root on S. side of 12-in. mesquite tree; copper nail and washer-----	1, 892. 54
Menard, on E. side of State highway, at SE. corner of concrete spillway over San Saba River, on top of concrete retaining wall; chiseled square-----	1, 867. 37
San Saba River, at spillway; surface of water Feb. 16, 1925-----	1, 864. 6
Menard, at N. entrance to Menard County courthouse, in E. end of stone step; standard tablet stamped "H 235 1925" (recovered by U. S. C. & G. S. in 1931) ^{29a} -----	1, 883. 001
Reference mark, 408 ft. N.20°W. of tablet, in NW. corner of public square, on concrete sidewalk; chiseled square-----	1, 881. 05

^{29a} Reported destroyed.

426 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Menard, at W. entrance to school building, in N. end of stone step; standard tablet stamped "H 236 1925" (recovered by U. S. C. & G. S. in 1931) ³⁰ -----	Feet 1, 885. 560
Reference mark, 470 ft. N. of tablet, on concrete sidewalk; chiseled square-----	1, 881. 99
Menard, in S. corner of town, in SW. corner of rd. junction, on top of parapet of concrete culvert; chiseled square (recovered by U. S. C. & G. S. in 1931)-----	1, 914. 078
Menard, 1.6 mi. SW. of, N. of angle in rd., 87 ft. S. and 68 ft. E. from fence line, on top of limestone ledge; chiseled square-----	2, 014. 55
Menard, 2.5 mi. S. of, on E. side of rd., 20 ft. E. of fence line, in root on E. side of prominent mesquite tree; copper nail and washer-----	2, 035. 41
Menard, 3.6 mi. S. of, on E. side of angle in rd., at rd. junction, 200 ft. N. of gate, 3 ft. W. of fence line, in limestone ledge; standard tablet stamped "H 237 1925"-----	2, 102. 192
Reference mark, 310 ft. S.40°W. of tablet, on limestone ledge; chiseled square-----	2, 104. 50
Menard, 4.8 mi. SW. of, on S. side of angle in rd., 80 ft. SW. of corner fence post, in root on SW. side of 18-in. live-oak tree; copper nail and washer (recovered by U. S. C. & G. S. in 1931)-----	2, 027. 837
Menard, 5.8 mi. SW. of, 0.5 mi. S. of creek crossing, 300 ft. N. of gate, on W. side of rd., in root on E. side of 40-in. live-oak tree; copper nail and washer-----	2, 030. 14
Menard, 7.0 mi. SW. of, on E. side of rd., in root on N. side of 6-in. mesquite tree; copper nail and washer-----	2, 078. 85
Menard, 8.2 mi. SW. of, on W. side of rd., at summit of grade, 30 ft. W. of fence line, 80 ft. N. of milepost "Menard 8 mi.," in granite outcrop; standard tablet stamped "H 238 1925" (recovered by U. S. C. & G. S. in 1931)-----	2, 086. 482
Reference mark, 146 ft. S.35°E. of tablet, in root on N. side of 24-in. live-oak tree; copper nail and washer-----	2, 085. 22
Menard, 9.3 mi. SW. of, on W. side of rd., 5 ft. W. of fence line, at milepost "Menard 9 mi.," in root on N. side of 12-in. live-oak tree; copper nail and washer (recovered by U. S. C. & G. S. in 1931)-----	2, 088. 962
Menard, 10.1 mi. SW. of, on inside of right-angle turn E. in rd., 150 ft. S. of tank, in fence line, in root on N. side of 12-in. live-oak tree; copper nail and washer-----	2, 097. 72
Menard, 10.9 mi. SW. of, on S. side of rd., 80 ft. W. of right-angle turn S., 10 ft. N. of fence line, in root on N. side of 12-in. live-oak tree; copper nail and washer (recovered by U. S. C. & G. S. in 1931)-----	2, 169. 933
Menard, 11.7 mi. SW. of, on E. side of rd., at summit of grade, 2 ft. W. of fence line, in limestone ledge; standard tablet stamped "H 239 1925" (recovered by U. S. C. & G. S. in 1931)-----	2, 186. 416
Reference mark, 235 ft. S. of tablet, on granite ledge; chiseled square--	2, 181. 24
Menard, 12.6 mi. SW. of, on W. side of rd., 10 ft. E. of fence line, in root on S. side of prominent mesquite tree; copper nail and washer--	2, 160. 12
Menard, 13.6 mi. SW. of, 150 ft. E. of rd., 100 ft. S. of gate, at angle in rd., in root on S. side of leaning mesquite tree; copper nail and washer-----	2, 218. 66

³⁰ In 1940 this bench mark was moved to the northwest corner of concrete terrace and reset at an elevation 0.250 ft. lower than that originally determined, and "Reset 1940" was added to the stamping. The figures given represent the new elevation.

MENARD NO. 3 QUADRANGLE

[Latitude 30°30'–30°45'; longitude 99°45'–100°00']

KIMBLE AND MENARD COUNTIES

From Junction quadrangle at point 1.5 miles northwest of Junction along roads generally northwest to point 0.25 mile south of Cleo, thence northeast to point 5.9 miles west of L. C. ranch, thence east and southeast into Menard No. 4 quadrangle at point 0.8 mile southeast of L. C. ranch (by E. E. Harris in 1924)

	<i>Feet</i>
Junction, 1.8 mi. NW. of, at SE. corner of highway bridge over North Fork of Llano River, on E. side of rd., in root on S. side of 12-in. pecan tree; copper nail and washer.....	1, 699. 01
Junction, 2.6 mi. NW. of, on N. side of rd., 130 ft. E. of rd. N. through gate, 10 ft. N. of fence line, in root on N. side of 8-in. mesquite tree; copper nail and washer.....	1, 710. 64
Junction, 3.2 mi. NW. of, on N. side of wide turn in rd., on E. side of rd. N., in L-angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "H 96 1924" and "Prim Trav Sta No 7 T 1925".....	1, 721. 295
Reference mark, 129.2 ft. S.60°E. of tablet, in root on W. side of small mesquite tree; copper nail and washer.....	1, 721. 53
Junction, 4.2 mi. NW. of, on N. side of angle in rd., in center of top of parapet of concrete culvert; chiseled square.....	1, 728. 67
Junction, 5.2 mi. NW. of, N. of angle in rd., 600 ft. E. of Bear Creek, 25 ft. N. of fence line, in root on S. side of mesquite tree; copper nail and washer.....	1, 737. 31
Junction, 6.0 mi. NW. of, 7.0 mi. SE. of Cleo, in NE. corner of junction of Junction-Sonora and Junction-Menard rds., in angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "H 97 1924" and "Prim Trav Sta No 6 T 1925".....	1, 745. 150
Reference mark, 193 ft. N.60°W. of tablet, in root on W. side of 12-in. mesquite tree; copper nail and washer.....	1, 745. 93
Cleo, 5.8 mi. SE. of, on W. side of rd., 35 ft. N. of rd. W. through gate, in root on N. side of small mesquite tree; copper nail and washer.....	1, 790. 70
Cleo, 4.9 mi. S. of, on W. side of rd., at summit of grade, 15 ft. W. of fence line, in root on N. side of 6-in. mesquite tree; copper nail and washer.....	1, 790. 22
Cleo, 4.2 mi. S. of, on W. side of angle in rd., 250 ft. S. of Bear Creek, 40 ft. N. of junction of private rd. NW. through gate, 2 ft. W. of fence line, in concrete post; standard tablet stamped "H 98 1924" and "Prim Trav Sta No 23 T 1925" (recovered by U. S. C. & G. S. in 1931).....	1, 794. 294
Reference mark, 83 ft. N.20°E. of tablet, in root on W. side of 10-in. oak tree; copper nail and washer.....	1, 789. 25
Cleo, 3.2 mi. S. of, on E. side of reverse curve in rd., opposite large stone ranch house, 4 ft. E. of fence line, 15 ft. N. of gate to pasture, in root on S. side of 12-in. mesquite tree; copper nail and washer.....	1, 835. 97
Cleo, 2.2 mi. S. of, on W. side of rd., 15 ft. S. of rd. W. through gate, 3 ft. W. of fence line, in concrete post; standard tablet stamped "H 99 1924" (recovered by U. S. C. & G. S. in 1931).....	1, 838. 884
Reference mark, 115.7 ft. S.40°E. of tablet, in root on W. side of 12-in. live-oak tree; copper nail and washer.....	1, 837. 63
Cleo, 1.1 mi. S. of, on E. side of rd., 200 ft. N. of Bear Creek, in root on S. side of 30-in. pecan tree; copper nail and washer.....	1, 858. 62

428 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Cleo, 0.25 mi. S. of, 8.7 mi. SW. of L. C. ranch house, on E. side of rd., 50 ft. N. of rd. E. through gate, 15 in. E. of fence line, in concrete post; standard tablet stamped "H 100 1924" and "Prim Trav Sta No 24 T 1925" (recovered by U. S. C. & G. S. in 1931)-----	Feet 1, 887. 739
Reference mark, 73.7 ft. S.40°E. of tablet, in root on W. side of 12-in. mesquite tree; copper nail and washer-----	1, 884. 64
L. C. ranch house, 7.6 mi. SW. of, 30 ft. W. of rd., 40 ft. S. of gate in fence line crossing rd., on rock outcrop; chiseled square-----	2, 042. 66
L. C. ranch house, 6.5 mi. SW. of, on W. side of angle in rd., in root on W. side of forked live-oak tree; copper nail and washer-----	2, 112. 40
L. C. ranch house, 5.9 mi. W. of, 150 ft. W. of gate in fence line crossing rd., 60 ft. N. of rd., in rock ledge; standard tablet stamped "H 101 1924" and "Prim Trav Sta No 25 T 1925"-----	2, 120. 150
Reference mark, 39.6 ft. S.25°W. of tablet, in root on N. side of 12-in. live-oak tree; copper nail and washer-----	2, 121. 34
L. C. ranch house, 4.9 mi. W. of, on N. side of rd., near summit of grade, 100 ft. S. of T-angle in fence line, on top of rock ledge; chiseled square-----	2, 223. 47
L. C. ranch house, 4.1 mi. W. of, on N. side of rd., at summit of grade, in root on N. side of 6-in. live-oak tree; copper nail and washer-----	2, 224. 00
L. C. ranch house, 3.6 mi. W. of, on S. side of rd., at summit of grade, on top of rock ledge; chiseled square-----	2, 226. 65
L. C. ranch house, 2.7 mi. W. of, 25 ft. N. of rd., on E. side of slope, 330 ft. from summit of grade, in top of rock ledge; standard tablet stamped "H 102 1924" and "Prim Trav Sta No 26 T 1925"-----	2, 175. 162
Reference mark, 54.3 ft. N.50°E. of tablet, on top of rock ledge; chiseled square-----	2, 174. 29
L. C. ranch house, 2.4 mi. W. of, in SE. corner of dim crossroads, in root on N. side of small mesquite tree; copper nail and washer-----	2, 118. 30
L. C. ranch house, 1.7 mi. W. of, on S. side of rd., on E. side of slope, 700 ft. from summit, in root on E. side of prominent Spanish-oak tree; copper nail and washer-----	2, 115. 44
L. C. ranch house, 1.1 mi. W. of, in NW. corner of rd. junction, on boulder; chiseled square-----	2, 056. 80
L. C. ranch house, 250 ft. S. of, just N. of ford, 30 ft. E. of rd., in center of grassy top, in concrete post; standard tablet stamped "H 103 1924" and "Prim Trav Sta No 27 T 1925"-----	1, 930. 966
Reference mark, 37.3 ft. N. of tablet, in root on E. side of 20-in. Spanish-oak tree; copper nail and washer-----	1, 930. 67
L. C. ranch, 0.8 mi. SE. of, on W. side of rd., 50 ft. N. of ford, in root on N. side of water-oak tree; copper nail and washer-----	1, 901. 38
<p>From Menard No. 2 quadrangle at point about 14 miles southeast of Menard along roads south to point 0.25 mile south of Cleo (by E. E. Harris in 1925; leveled twice from point 8 miles north of Cleo)</p>	
Menard, 14.6 mi. SW. of, on W. side of angle in rd., 5 ft. E. of fence line, in root on N. side of prominent live-oak tree; copper nail and washer (recovered by U. S. C. & G. S. in 1931)-----	2, 201. 406
Menard, 15.6 mi. SW. of, 0.5 mi. SW. of abandoned church, on SE. side of rd., at summit of grade, 3 ft. inside fence line, in stone post; standard tablet stamped "H 240 1925" (recovered by U. S. C. & G. S. in 1931)-----	2, 267. 640
Reference mark, 111 ft. S.45°W. of tablet, in root on E. side of 8-in. mesquite tree; copper nail and washer-----	2, 267. 59

	<i>Feet</i>
Menard, 16.7 mi. SW. of, on W. side of rd., 5 ft. E. of fence line, in root on N. side of 10-in. live-oak tree; copper nail and washer-----	2, 269. 50
Menard, 17.6 mi. SW. of, 7.8 mi. N. of Cleo, on W. side of rd., 5 ft. E. of fence line, in root on S. side of prominent live-oak tree marking Kimble-Menard county line; copper nail and washer-----	2, 207. 84
Cleo, 6.7 mi. N. of, 1.1 mi. S. of county line, on W. side of rd., in root on N. side of small mesquite tree; copper nail and washer-----	2, 150. 74
Cleo, 5.6 mi. N. of, on E. side of rd., at summit of grade, opposite old rd. fork, in NE. corner of T-angle in fence line, at NW. corner of cultivated field, in stone post; standard tablet stamped "H 241 1925"-----	2, 102. 145
Reference mark, 114 ft. N. of tablet, in root on E. side of 10-in. mesquite tree; copper nail and washer-----	2, 101. 75
Cleo, 4.6 mi. N. of, on E. side of rd., in root on W. side of prominent live-oak tree; copper nail and washer-----	2, 078. 65
Cleo, 3.6 mi. N. of, in center of rd., on prominent rock outcrop; chiseled square-----	2, 033. 98
Cleo, 2.9 mi. N. of, 100 ft. N. of Bear Creek crossing, on E. side of rd., 15 ft. E. of fence line, in pecan grove, in boulder; standard tablet stamped "H 242 1925"-----	1, 989. 172
Reference mark, 117 ft. N.15°W. of tablet, in root on E. side of 60-in. pecan tree; copper nail and washer-----	1, 995. 72
Cleo, 1.8 mi. N. of, 40 ft. N. and 80 ft. E. from sharp turn in rd., in root on W. side of 10-in. mesquite tree; copper nail and washer----	1, 955. 65
Cleo, 0.8 mi. N. of, on W. side of rd., 30 ft. S. of pasture rd., 20 ft. W. of fence line, in root on N. side of small mesquite tree; copper nail and washer-----	1, 941. 80

From point 6 miles northwest of Junction west and southwest along State highway into Junction quadrangle (by W. A. Fisher in 1925-26)

Junction, 6.6 mi. NW. of, on SW. corner of concrete bridge; chiseled square (recovered by U. S. C. & G. S. in 1932)-----	1, 768. 435
Junction, 7.8 mi. NW. of, 11.5 mi. E. of Roosevelt, 45 ft. N. and 15 ft. E. from junction of T-rd. N., in yard of Eight Mile School, 6 ft. N. and 15 ft. E. from wooden gate, in concrete post; standard tablet stamped "Prim Trav Sta No 5 T 1925 F 1" (recovered by U. S. C. & G. S. in 1932)-----	1, 770. 321
Junction, 9.2 mi. NW. of, on SW. corner of concrete bridge; chiseled square (recovered by U. S. C. & G. S. in 1932)-----	1, 815. 446
Junction, 10.8 mi. NW. of, 8.5 mi. E. of Roosevelt, 32 ft. N. of highway, about 450 ft. E. of concrete culvert, near second-class rd. N. through gate, in SW. corner of field, 3 ft. NE. of corner fence post, in concrete post; standard tablet stamped "Prim Trav Sta No 4 T 1925 F 2"-----	1, 811. 744
Junction, 13.0 mi. NW. of, on N. side of rd., in root of 30-in. oak tree; copper nail-----	1, 855. 59
Junction, 14.3 mi. NW. of, 5.0 mi. E. of Roosevelt, on N. side of highway, 0.25 mi. E. of cemetery, in NW. corner of concrete culvert; standard tablet stamped "Prim Trav Sta No 3 T 1925 F 3" (recovered by U. S. C. & G. S. in 1932) ³¹ -----	1, 890. 843

³¹ In 1938 this bench mark was reported destroyed.

MENARD NO. 4 QUADRANGLE

[Latitude 30°30'–30°45'; longitude 99°30'–99°45']

KIMBLE AND MENARD COUNTIES

From Menard No. 3 quadrangle at point 0.8 mile southeast of L. C. ranch along roads southeast to point 4.6 miles northeast of Junction, thence southwest into Segovia No. 1 quadrangle (by E. E. Harris in 1924)

	<i>Feet</i>
L. C. ranch house, 1.7 mi. SE. of, on NE. side of rd., 100 ft. N. of ford, in root on S. side of 18-in. pecan tree; copper nail and washer-----	1, 865. 74
L. C. ranch house, 2.6 mi. SE. of, on E. side of angle in rd., in root on W. side of prominent Spanish-oak tree with four trunks; copper nail and washer-----	1, 856. 80
L. C. ranch house, 3.4 mi. SE. of, 1.0 mi. N. of Cushionberry ranch house, 35 ft. W. of rd., in small flat, about 100 ft. N. of ford, in concrete post; standard tablet stamped "H 104 1924" and "Prim Trav Sta No 28 T 1925"-----	1, 814. 384
Reference mark, 36.7 ft. N.20°E. of tablet, in root on W. side of 30-in. pecan tree; copper nail and washer-----	1, 816. 82
Cushionberry ranch house, 100 ft. SW. of, on W. side of rd., in root on E. side of 10-in. mesquite tree; copper nail and washer-----	1, 803. 05
Cushionberry ranch house, 1.1 mi. SE. of, 100 ft. E. of gate, on N. side of rd., at T-angle in fence line, 400 ft. E. of cattle pens, in root on S. side of 12-in. mesquite tree; copper nail and washer-----	1, 769. 03
Cushionberry ranch house, 2.4 mi. SE. of, 20 ft. W. of rd., 1 ft. N. of fence line crossing rd., 100 ft. E. of T-angle in fence line, in concrete post; standard tablet stamped "H 105 1924" and "Prim Trav Sta No 29 T 1925"-----	1, 749. 604
Reference mark, 52.1 ft. E.15°S. of tablet, in root on W. side of 6-in. mesquite tree; copper nail and washer-----	1, 748. 70
Cushionberry ranch house, 3.3 mi. SE. of, 30 ft. S. of gate in fence line crossing rd., 30 ft. E. of rd., in root on W. side of 6-in. mesquite tree; copper nail and washer-----	1, 732. 73
Cushionberry ranch house, 4.4 mi. SE. of, 60 ft. E. of rd. junction, on N. side of main-traveled rd. E., in root on S. side of small mesquite tree; copper nail and washer-----	1, 750. 14
Cushionberry ranch house, 5.1 mi. SE. of, 4.6 mi. NE. of Junction, on N. side of Mason-Junction rd., 40 ft. W. of old Menard rd., 1 ft. N. of fence line, in concrete post; standard tablet stamped "H 106 1924" and "Prim Trav Sta No 30 T 1925"-----	1, 691. 640
Reference mark, 144 ft. N.40°W. of tablet, in root on N. side of 8-in. mesquite tree; copper nail and washer-----	1, 693. 91
Junction, 3.7 mi. NE. of, on W. side of rd., 15 ft. W. of fence line, 50 ft. N. of concrete spillway, 30 ft. S. of gate, in root on E. side of 18-in. mesquite tree; copper nail and washer-----	1, 668. 43
Junction, 2.9 mi. NE. of, on N. side of rd., at summit of grade, 60 ft. W. of cross lane, 4 ft. N. of fence line, in root on N. side of 12-in. mesquite tree; copper nail and washer-----	1, 693. 02
Junction, 2.6 mi. NE. of, at crossing of Llano River, on SE. corner of concrete spillway; chiseled square-----	1, 638. 32

MERCURY QUADRANGLE

[Latitude 31°15'–31°30'; longitude 99°00'–99°15']

COLEMAN, BROWN, McCULLOCH, AND SAN SABA COUNTIES

From Waldrip quadrangle at point about 3.6 miles east of Whon along roads generally east to Winchell, thence northeast about 2.5 miles into Coleman No. 4 quadrangle (by W. R. Broadus in 1924)

Whon, 5.0 mi. E. of, 6.0 mi. NW. of R. R. sta. at Winchell, 500 ft. E. of Winchell rd. crossing of Home Creek, on N. side of rd., in limestone outcrop; standard tablet stamped "Prim Trav Sta No 41 J Texas 1924 B 12"-----	Feet 1, 322. 027
Reference mark, 105 ft. E. of tablet, 10 ft. S. of rd. junction, in bench on N. side of small mesquite tree; copper nail and washer-----	1, 329. 82
Winchell, 5.2 mi. NW. of, 1.0 mi. E. of Home Creek crossing, 90 ft. E. of rd. junction, in saddle of ridge, in root on N. side of 4-in. hackberry tree; copper nail and washer-----	1, 394. 38
Winchell, 3.9 mi. NW. of, 20 ft. NE. of junction of rd. N., in root on S. side of 14-in. live-oak tree; copper nail and washer-----	1, 469. 09
Winchell, 3.0 mi. W. of, 82 ft. N. of Whon rd., 190 ft. NW. of junction of rd. from McDaniel house, in rock outcrop; standard tablet stamped "B 13 1924"-----	1, 360. 396
Reference mark, 140 ft. S.20°E. of tablet, 65 ft. W. of rd. junction, in root of small mesquite tree; copper nail and washer-----	1, 355. 76
Winchell, 1.9 mi. NW. of, 210 ft. S. of rd. corner, 25 ft. NW. of gate, on rock; chiseled square-----	1, 397. 95
Winchell, 0.8 mi. NW. of, 100 ft. E. of junction of rd. N., in bench on N. side of 12-in. live-oak tree; copper nail and washer-----	1, 416. 76
Winchell, on E. side of Main Street, 60 ft. W. of Fort Worth & Rio Grande Ry. ³² sta., in bench on E. side of 14-in. mesquite tree; copper nail and washer (recovered by U. S. C. & G. S. in 1931)---	1, 337. 261
Winchell, 0.5 mi. NE. of, on Trickham rd., 750 ft. W. of F. W. & R. G. Ry., 30 ft. S. of right-angle bend in rd., near water hole, in limestone boulder; standard tablet stamped "Prim Trav Sta No 34 J 1924 Texas B 14"-----	1, 357. 745
Reference mark, 75 ft. N. of tablet, 6 ft. inside fence, in N. side of mesquite tree; copper nail and washer-----	1, 359. 45
Winchell, 1.8 mi. NE. of, on Dulin rd., 20 ft. N. of rd. junction, near residence of John Avent; copper nail and washer-----	1, 372. 54
<p>From Coleman No. 4 quadrangle at point about 2 miles southwest of Dulin along roads alternately south and west by way of Milburn and Mercury to point 1 mile northwest of Placid, thence northwest into Waldrip quadrangle at point about 7 miles northwest of Placid (by W. R. Broadus in 1924-25)</p>	
Dulin, 2.7 mi. SW. of, 3.9 mi. NE. of Milburn, in front of dwelling of M. M. Humphrey, 8 ft. N. of gate, in root on NE. side of large forked live-oak tree; copper nail and washer-----	1, 371. 34
Milburn, 2.5 mi. N. of, on Brownwood rd., 0.9 mi. N. of Milburn Bridge over Colorado River, 1,400 ft. N. of rd. junction, on top of W. end of N. abutment of concrete highway bridge over drain; chiseled square-----	1, 290. 34
Milburn, 1.6 mi. N. of, 5.0 mi. NE. of Mercury, at steel bridge over Colorado River, known as "Milburn Bridge," in top of W. pier on S. side; standard tablet stamped "Prim Trav Sta No 9 J 1924 Texas B 16"-----	1, 306. 338

³² Now a part of the Santa Fe system.

432 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Reference mark, 10 ft. N. of E. abutment of bridge, in root of forked elm tree; copper nail and washer.....	1, 298. 19
Colorado River, under Milburn Bridge; surface of water Jan. 1, 1925..	1, 258. 2
Milburn, 150 ft. N. and 100 ft. E. from junction of E.-W. rd., in front of school, in root on W. side of 12-in. mesquite tree; copper nail and washer.....	1, 312. 36
Milburn, 0.8 mi. SW. of, 1.4 mi. N., thence 2.0 mi. E. from school-house at Mercury, 50 ft. E. of junction of Brady-San Saba and Brownwood rds., 3 ft. E. of fence, in root on W. side of 5-in. mesquite tree; copper nail and washer.....	1, 309. 96
Mercury, 1.4 mi. N., thence 1.1 mi. E. from, on Brownwood rd., 25 ft. S. and 30 ft. W. from junction of T-rd. S., 3 ft. inside fence, in sandstone post; standard tablet stamped "B 17 1925".....	1, 333. 092
Reference mark, 30 ft. N. and 105 ft. E. from rd. junction, 6 ft. inside fence, in root on N. side of 7-in. mesquite tree; copper nail and washer.....	1, 330. 10
Mercury, 1.4 mi. N. of, on Brownwood rd., 70 ft. S. and 75 ft. W. from rd. junction, in root on S. side of 12-in. live-oak tree; copper nail and washer.....	1, 441. 69
Mercury, 180 ft. NE. of school, 50 ft. N. and 20 ft. E. from rd. junction, in root on W. side of 14-in. tree; copper nail and washer.....	1, 461. 87
Mercury, 0.5 mi. SW. of F. W. & R. G. Ry. sta., in NW. corner of right-angle bend in Brady-Mercury rd., 12 ft. E. of fence corner, in limestone outcrop; standard tablet stamped "Prim Trav Sta No 8 J 1924 Texas B 18".....	1, 487. 875
Reference mark, 100 ft. S. and 60 ft. E. from rd. corner, in root on W. side of 30-in. live-oak tree; copper nail and washer.....	1, 480. 10
Mercury, 1.8 mi. SW. of, 0.5 mi. S. of rd. corner, 140 ft. S. and 20 ft. E. from E.-W. fence line crossing Brady rd., in root on N. side of 14-in. live-oak tree; copper nail and washer.....	1, 504. 60
Mercury, 2.8 mi. SW. of, 75 ft. W. of point where Brady rd. crosses F. W. & R. G. Ry., in root on S. side of 12-in. live-oak tree; copper nail and washer.....	1, 504. 90
Mercury, 3.3 mi. SW. of, on Brady rd., 200 ft. N. and 20 ft. W. from rd. junction, in root on SW. side of 20-in. live-oak tree; copper nail and washer (recovered by U. S. C. & G. S. in 1931).....	1, 527. 513
Mercury, 4.3 mi. SW. of, 750 ft. S. of point where Brady rd. crosses ridge, 80 ft. NE. of private lane of W. A. Penn, in W. side of 4-in. mesquite tree; copper nail and washer.....	1, 551. 72
Mercury, 5.0 mi. SW. of, on Brady-Mercury rd., 0.2 mi. SW. of rd. junction, on E. side of F. W. & R. G. Ry., on N. bank of creek, 60 ft. NW. of crossing of rd., in sandstone ledge; standard tablet stamped "Prim Trav Sta No 7 J 1924 B 19 1925".....	1, 542. 955
Reference mark, 94 ft. E. of tablet, in bench on W. side of 20-in. live-oak tree; copper nail and washer.....	1, 547. 16
Placid, 1.0 mi. NW. of, on Brady-Mercury rd., 1,100 ft. SW. of rd. junction, 900 ft. NE. of junction of pasture rd., 30 ft. W. of center line of rd., in root on W. side of 14-in. live-oak tree; copper nail and washer.....	1, 598. 73
Placid, 2.2 mi. NW. of, 20 ft. W. of Fife rd., at point of hill, in fence line, in root on N. side of 20-in. blemished live-oak tree; copper nail and washer.....	1, 639. 55

	<i>Feet</i>
Placid, 3.7 mi. along Fife rd. NW. of, 0.6 mi. NW. of Round Mountain water hole, 120 ft. SW. of rd. fork, at point of hill, 7.5 ft. N. of 14-in. live-oak tree, in limestone outcrop; standard tablet stamped "B 20 1925"-----	1, 571. 380
Reference mark, 7.6 ft. S. of tablet, in root on N. side of 14-in. live-oak tree; steel pin-----	1, 571. 89
Placid, 4.9 mi. NW. of, 2.5 mi. above Ward water hole, 280 ft. SE. of gate across rd., in Cedar Creek Valley, 30 ft. W. of Fife rd., in root on W. side of 14-in. live-oak tree; copper nail and washer----	1, 520. 34
Placid, 5.9 mi. NW. of, on Fife rd., 140 ft. S. of point where rd. crosses Cedar Creek, 1.5 mi. above Ward water hole, in root on N. side of 36-in. live-oak tree; copper nail and washer-----	1, 493. 64
From Richland Springs quadrangle west and southwest along State highway into Brady No. 4 quadrangle near Sellman ranch (by E. E. Harris in 1925)	
Richland Springs, 3.9 mi. W. of, on S. side of old Brady rd., near summit of grade, in root on W. side of small mesquite tree; copper nail and washer-----	1, 513. 47
Richland Springs, 4.8 mi. W. of, on N. side of old Brady rd., in root on N. side of prominent live-oak tree; copper nail and washer-----	1, 541. 43
Richland Springs, 5.7 mi. W. of, on N. side of old Brady rd., 200 ft. W. of shack, in root on N. side of prominent live-oak tree; copper nail and washer-----	1, 517. 71
Richland Springs, 6.4 mi. W. of, 1.0 mi. S. of Hall, in NE. corner of junction of old Brady-Richland Springs rd. and new State highway, in right angle in fence line, 4 ft. from each fence, in granite post; standard tablet stamped "H 198 1925"-----	1, 530. 835
Hall, 1.0 mi. S. and 0.6 mi. W. from, on N. side of highway, at summit of grade, in fence line, in root on N. side of 12-in. mesquite tree; copper nail and washer-----	1, 523. 92
Hall, 1.0 mi. S. and 1.5 mi. W. from, 2.8 mi. NE. of Sellman ranch, in Y-junction of rd., in root on S. side of leaning mesquite tree; copper nail and washer-----	1, 536. 36
Sellman ranch, 1.8 mi. NE. of, on E. side of highway, 4 ft. W. of fence line, in root on W. side of prominent live-oak tree; copper nail and washer-----	1, 533. 62
Sellman ranch, 0.8 mi. NE. of, on W. side of highway, 20 ft. W. of fence line, in root on E. side of prominent live-oak tree; copper nail and washer-----	1, 570. 92
From Brady No. 4 quadrangle along roads north to point 3.4 miles north of Rochelle, thence west 2 miles, thence south and back into Brady No. 4 quadrangle (by E. E. Harris in 1925)	
Rochelle, 1.8 mi. N. of, 100 ft. E. of State highway, on S. side of private rd. E. through gate, in root on E. side of small mesquite tree; copper nail and washer-----	1, 778. 56
Rochelle, 3.4 mi. N. of, on E. side of State highway, 35 ft. E. of fence line, at junction of rd. W. across R.R. track, in root on N. side of 15-in. live-oak tree; copper nail and washer-----	1, 759. 20
Rochelle, 3.4 mi. N. and 1.0 mi. W. from, on E. side of angle N. in rd., 50 ft. N. of gate in fence line crossing rd., in root on S. side of small pin-oak tree; copper nail and washer-----	1, 837. 03

434 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Rochelle, 3.4 mi. N. and 2.0 mi. W. from, 900 ft. N. of junction of rd. E. through gate to sheep ranch, on W. side of rd., 24 ft. W. of fenceline, in limestone outcrop; standard tablet stamped "Prim Trav Sta No 9 F 1924 H 202" ³³ -----	.Feet 1, 827. 586
Rochelle, 2.6 mi. N. and 2.0 mi. W. from, 600 ft. N. of jog in rd., in middle of rd., in root on E. side of prominent live-oak tree; copper nail and washer-----	1, 847. 11
From Richland Springs quadrangle along roads west 1.8 miles to Holt School, thence north to Colorado River, thence northeast into Coleman No. 4 quadrangle at point 2.2 miles southwest of Indian Creek (by E. E. Harris in 1925)	
Holt School, 1.0 mi. E. of, 35 ft. W. of junction of rd. S. through plank gate, on S. side of rd., 25 ft. S. of fence line, in root on W. side of 12-in. post-oak tree; copper nail and washer-----	1, 410. 42
Holt School, 250 ft. SE. of, on W. side of rd., in line with T-rd. E., in root on W. side of leaning mesquite tree; copper nail and washer--	1, 438. 36
Holt School, 0.5 mi. N. of, in NW. corner of junction of T-rd. W., in root on S. side of 12-in. mesquite tree; copper nail and washer-----	1, 434. 20
Holt School, 1.5 mi. N. of, 70 ft. S. of gate in fence line crossing rd., on E. side of road., 10 ft. E. of fence line, in root on E. side of small mesquite tree; copper nail and washer-----	1, 408. 07
Holt School, 2.6 mi. N. of, in SE. corner of junction of E.-W. rd., in root on W. side of 15-in. post-oak tree; copper nail and washer----	1, 362. 61
Holt School, 3.6 mi. N. of, in NE. corner of junction of T-rd. N., in sandstone post; standard tablet stamped "Prim Trav Sta No 15 J 1924 H 190"-----	1, 375. 109
Holt School, 4.8 mi. N. of, on E. side of rd., at summit of grade, on N. side of private lane E. to house, in root on E. side of 10-in. post-oak tree; copper nail and washer-----	1, 384. 73
Holt School, 6.0 mi. N. of, on E. side of rd., 35 ft. N. of private lane E. through gate, on S. bank of drain, on sandstone outcrop; chiseled square-----	1, 351. 69
Holt School, 6.6 mi. N. of, 1.0 mi. S. of Keys Crossing of Colorado River, on W. side of rd., in line with T-rd. W., on sandstone ledge; chiseled square-----	1, 304. 96
Colorado River, at Keys Crossing; surface of water Jan. 7, 1925-----	1, 237. 5
Keys Crossing, 720 ft. NE. of, 4.1 mi. SW. of school at Indian Creek, on S. side of rd., 40 ft. E. of culvert, in sandstone post; standard tablet stamped "Prim Trav Sta No 32 J 1924 H 191"-----	1, 286. 115
Indian Creek, 3.0 mi. SW. of, on E. side of rd., 80 ft. N. of lane E. through gate, 15 ft. E. of fence line, in root on W. side of small mesquite tree; copper nail and washer-----	1, 281. 54
From point 0.5 mile north of Holt School west along road to Mercury (first 6.8 miles by E. E. Harris, last 1.6 miles by W. R. Broadus in 1925)	
Holt School, 0.5 mi. N., thence 1.0 mi. W. from, at SW. corner of right-angle turn in rd. from W. to N., 25 ft. E. of fence corner, in sandstone post; standard tablet stamped "Prim Trav Sta No 14 J 1924 H 193"-----	1, 483. 553
Holt School, 0.5 mi. N., thence 2.2 mi. NW. from, on S. side of rd., 30 ft. W. of private lane S. through gate, in root on E. side of 18-in. post-oak tree; copper nail and washer-----	1, 493. 22

³³ This tablet was set originally as a transit-traverse station mark. At the time the spirit leveling was executed the tablet was found to be disturbed and it was reset in its present location. No coordinates have been determined for the mark in its new position.

Holt School, 0.5 mi. N., thence 3.2 mi. NW. from, 0.8 mi. SE., thence 4.5 mi. E. from Mercury, at junction of T-rd. N., on S. side of rd., 3 ft. N. of fence line, on prominent sandstone ledge; chiseled square	1, 469. 78
Mercury, 0.8 mi. SE., thence 3.4 mi. E. from, near McCulloch-San Saba county line, 100 ft. S. of rd., on E. side of lane S., in root on E. side of 8-in. mesquite tree; copper nail and washer	1, 445. 52
Mercury, 0.8 mi. SE., thence 2.4 mi. E. from, at junction of rd. SE., at summit of grade, on N. side of rd., in sandstone post; standard tablet stamped "Prim Trav Sta No 13 J 1924 H 194"	1, 440. 485
Reference mark, 63 ft. S.50°W. of tablet, in root on E. side of small mesquite tree; copper nail and washer	1, 439. 16
Mercury, 0.8 mi. SE., thence 1.4 mi. E. from, on S. side of rd., at summit of grade, 30 ft. E. of lane S. through gate, on sandstone boulder; chiseled square	1, 356. 03
Mercury, 0.8 mi. SE., thence 0.8 mi. E. from, 45 ft. N. and 100 ft. E. from crossroads, 5 ft. inside fence, in 4-in. mesquite tree; copper nail and washer	1, 350. 44
Mercury, 0.8 mi. SE. of, on Holt rd., 45 ft. SE. of turn in rd., at foot of bluff, in mesquite tree; copper nail and washer	1, 379. 31

MINERAL WELLS QUADRANGLE

[Latitude 32°45'-33°00'; longitude 98°00'-98°15']

PALO PINTO AND PARKER COUNTIES

From Millsap southwest along Texas & Pacific Railway into Santo quadrangle
(by E. O. Brooks in 1923; releveled by C. E. Walker in same year)

U. S. C. & G. S. B. M. designated "Y 10"	822. 010
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From Santo quadrangle at point near Palo Pinto-Parker county line north and west along roads to point 4.4 miles south of Mineral Wells (by E. O. Brooks in 1923; releveled by C. E. Walker in same year)

Millsap, 3.5 mi. W. of, 100 ft. E. of junction of T-rd. N., 500 ft. W. of junction of E.-W. rd. and State highway, 10 ft. S. of E.-W. rd., in large flat rock; standard tablet stamped "EB 1 1923"	951. 052
Reference mark, 10 ft. N. and 10 ft. E. from tablet, on large flat rock; chiseled square	951. 99
Millsap, 4.5 mi. W. of, 4.4 mi. S., thence 1.0 mi. E. from Mineral Wells, about 750 ft. W. of junction of T-rd. N., on S. side of rd., 2 ft. S. and 5 ft. W. from corner of right-of-way fence and fence line S., 35 ft. E. of gate at entrance to farmhouse, on large flat rock; chiseled square	997. 28
Mineral Wells, 4.4 mi. S. of, about 400 ft. E. of junction of T-rd. S., 30 ft. N. and 30 ft. W. from junction of T-rd. N., in concrete post; standard tablet stamped "EB 2 1923"	973. 827
Reference mark, 50 ft. N. of tablet, in root on N. side of 18-in. oak tree; copper nail and washer	972. 81

From road junction 4.4 miles south of Mineral Wells west, southwest, and northwest along highway into Pickwick quadrangle at point about 3.2 miles east of Palo Pinto (by C. E. Walker in 1923)

Mineral Wells, 4.4 mi. S., thence 1.5 mi. W. from, 190 ft. N. of Willow Pond Church, 190 ft. E. of Willow Pond School, in SW. angle of junction of rd. SE., in root on E. side of blazed 12-in. oak tree; copper nail and washer	924. 36
Mineral Wells, 4.4 mi. S., thence 2.1 mi. W. from, at section corner, 40 ft. N. of center line of rd., in line with center line of T-rd. S., 78 ft. E. of ranch house of T. O. Whatley, in root on S. side of blazed 12-in. oak tree; copper nail and washer	902. 81

436 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Mineral Wells, 4.4 mi. S., thence 3.0 mi. W. from, 0.9 mi. E. of Oakes Crossing of Brazos River, 27 ft. N. of center line of rd., 48 ft. N. of stone fence around property of Henry Hess, about 340 ft. E. of NW. corner of fence, near rock pile, in rock outcrop; standard tablet stamped "WA 1 Tex 1923"-----	Feet 875. 813
Reference mark, on property of T. O. Whatley, 44 ft. N. of center line of rd., near small drain, 5 ft. N. of fence line, in root on S. side of blazed 18-in. oak tree; copper nail and washer-----	872. 14
Mineral Wells, 4.4 mi. S., thence 4.1 mi. W. from, 9.9 mi. SE. of Palo Pinto, 660 ft. W. of W. bank of Brazos River, 15 ft. N. of center line of rd., in root 3 in. underground on S. side of blazed 18-in. elm tree; copper nail and washer-----	799. 82
Palo Pinto, 8.8 mi. SE. of, 0.5 mi. E. of triangulation sta. on E. end of Barber Mountain, at bend to SW. in rd., 75 ft. N. of center line of rd., 25 ft. N. of fence line, in field, in root on SW. side of double-forked blazed mesquite tree; copper nail and washer-----	859. 27
[Line jogs into Santo quadrangle]	
Palo Pinto, 5.4 mi. SE. of, 650 ft. W. of small bridge over drain, on S. side of rd. at sharp turn, at pasture gate, in root on N. side of blazed 14-in. elm tree; copper nail and washer-----	836. 59
Palo Pinto, 3.6 mi. E. of, 60 ft. N. of Bankhead highway, in line with T-rd. S., 15 ft. N. of fence line, in field, in concrete post; standard tablet stamped "WA 3 Tex 1923" (recovered by U. S. C. & G. S. in 1934)-----	971. 629
Reference mark, 50 ft. S. and 150 ft. W. from highway junction, on rock outcrop; chiseled mark-----	966. 21
From road junction 4.4 miles south of Mineral Wells generally north and north-west along roads by way of Mineral Wells to Adams Crossing of Brazos River, thence south and west about 2 miles into Pickwick quadrangle (by E. O. Brooks in 1923)	
Mineral Wells, 3.6 mi. S. of, 10 ft. W. of center of junction of T-rd. E., on large flat rock; chiseled square-----	929. 73
Mineral Wells, 2.6 mi. S. of, 20 ft. S. and 75 ft. W. from junction of T-rd. S., 140 ft. E. of junction of rd. N., on N. side of corner fence post, on concrete base; chiseled square-----	871. 85
Mineral Wells, at SE. corner of town, in SE. angle of crossroads, at fence corner, in root on S. side of 6-in. mesquite tree; copper nail and washer-----	870. 78
Mineral Wells, at S. entrance of post office, 10 ft. W. of W. door, 3 ft. W. of W. concrete column, level with floor of building, in top of limestone; standard tablet stamped "EB 3 1923" (recovered by U. S. C. & G. S. in 1934)-----	910. 877
Reference mark, 20 ft. S. and 40 ft. E. from tablet, on top of SE. corner of concrete base of light post; chiseled square (recovered by U. S. C. & G. S. in 1934)-----	907. 813
Mineral Wells, at N. edge of, in SE. angle of crossroads, 12 ft. W. of fence, in root on NW. side of 12-in. white-oak tree; copper nail and washer-----	936. 87
Mineral Wells, 2.0 mi. N. of, in NW. angle of junction of T-rd. W., at SW. corner of bridge over creek, in center of top of concrete abutment; chiseled square-----	939. 30
Mineral Wells, 3.0 mi. NW. of, on E. side of Turkey Creek rd., 380 ft. N. of gate in front of farmhouse, 3 ft. W. of right-of-way fence, in large flat rock; standard tablet stamped "EB 4 1923"-----	1, 011. 617

Reference mark, 3 ft. S. and 5 ft. W. from tablet, on large flat rock; chiseled square.....	Feet 1, 011. 10
Mineral Wells, 4.0 mi. NW. of, on NE. side of rd. at right-angle turn from N. to W., 14 ft. S. and 10 ft. W. from gate to ranch house of S. S. Savage, near N. end of culvert under rd., on stone; chiseled square.....	1, 073. 95
Mineral Wells, 4.8 mi. NW. of, at right-angle turn to N. in Turkey Creek rd., 3 ft. N. and 3 ft. E. from gate to private rd. W., on stone; chiseled square.....	1, 056. 44
Mineral Wells, 4.8 mi. NW. of, 13 ft. N. and 3 ft. E. from gate to private rd. W., on stone; chiseled square.....	1, 056. 66
Mineral Wells, 6.1 mi. NW. of, on E. side of Turkey Creek, at summit of mountain, 35 ft. S. of private rd., 250 ft. W. of ranch house of W. L. Blocker, in large boulder; standard tablet stamped "EB 5 1923".....	969. 162
Reference mark, 20 ft. N. of tablet, on large boulder; chiseled square.....	969. 53
Mineral Wells, 7.1 mi. NW. of, about 1,000 ft. S. of triangulation point on top of mountain, 3 ft. N. of private rd., on stone; chiseled square.....	1, 003. 41
Mineral Wells, 8.1 mi. NW. of, 90 ft. S. of crossing of small drain, 3 ft. W. of rd., on large rock; chiseled square.....	976. 19
Mineral Wells, 9.3 mi. NW. of, 0.2 mi. S. and 0.2 mi. E. from crossing of Palo Pinto-Graford rd. and Keechi Creek, 2.8 mi. NE. of Adams Crossing of Brazos River, 200 ft. E. of abandoned ranch house, at N. end of gate, in root on S. side of 24-in. oak tree; copper nail and washer.....	867. 11
Adams Crossing of Brazos River, 2.5 mi. NE. of, about 0.2 mi. S. of crossing of Keechi Creek, on E. side of rd., 90 ft. N. of gate to private rd. E., 6 ft. W. of fence, in large flat rock; standard tablet stamped "EB 6 1923".....	854. 998
Reference mark, 10 ft. S. of tablet, on large boulder; chiseled square.....	856. 78
Adams Crossing, 1.4 mi. NE. of, near mouth of Keechi Creek, at summit, on right bank, 50 ft. N. of wire fence, at NE. corner of field, in root on W. side of 18-in. oak tree; copper nail and washer.....	850. 61
Adams Crossing, 0.7 mi. E., thence 5.6 mi. S. from Graford, 160 ft. N. of N. bank and 750 ft. below point where rd. ascends bank on S. side of river, 220 ft. above and 160 ft. N. from point where rd. descends bank on N. side of river, 125 ft. N. and 75 ft. W. from SW. corner of old field, on W. bank of small ravine, in fork of 24-in. pecan tree, 3 ft. above ground; copper nail and washer.....	838. 68
Adams Crossing, on N. bank of river, 75 ft. S. and 75 ft. W. from SW. corner of old field, in root on S. side of 12-in. elm tree; copper nail and washer.....	835. 61
Adams Crossing, 2.1 mi. SW. of, 7.8 mi. NE. of Palo Pinto, 1.4 mi. SW. of ranch house of John Metcalf, 10 ft. S. and 70 ft. W. from gate to rd., in large flat rock; standard tablet stamped "EB 7 1923".....	960. 350
Reference mark, 10 ft. N. and 45 ft. E. from tablet, on stone set in place; chiseled square.....	956. 88
From Adams Crossing of Brazos River along roads north 2.6 miles, thence west 0.9 mile into Pickwick quadrangle at point 2.8 miles south and 0.2 mile west from Graford (by S. R. Archer in 1923)	
Adams Crossing of Brazos River, 1.2 mi. N. of, 0.7 mi. E., thence 4.2 mi. S. from Graford, at junction of fence lines E., W., and N., on E. side of gate in E.-W. fence line, in root on NW. side of 12-in. mesquite tree; copper nail and washer.....	1, 044. 88

438 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Graford, 0.7 mi. E., thence 3.5 mi. S. from, on W. side of rd., 60 ft. S. of junction of T-rd. E., in fence line, in root 5 in. underground on W. side of 6-in. mesquite tree; copper nail and washer.....	Feet 1, 030. 35
Graford, 0.7 mi. E., thence 2.8 mi. S. from, in NW. angle of junction of T-rd. W., 3 ft. N. of fence corner; iron post stamped "A 1 1924".....	1, 010. 395
Reference mark, 10 ft. N. and 40 ft. E. from rd. junction, 5 ft. N. and 20 ft. E. from fence corner, in root on NW. side of 6-in. mesquite tree; copper nail and washer.....	1, 008. 54
Graford, 2.8 mi. S. of, on S. side of rd., at junction of T-rd. N., on E. side of gate to residence, at foot of N. side of telephone pole, on highest point at E. end of limestone rock; chiseled square.....	994. 94
<p>From point 4.8 miles northwest of Mineral Wells generally north along roads to road junction 1.5 miles north of Oran, thence west and northwest into Jacksboro No. 3 quadrangle ³⁴ at point about 0.7 mile northwest of Christian (by Basil Tuttle in 1923)</p>	
Mineral Wells, 5.7 mi. along Turkey Creek rd. NW. of, 100 ft. S. of steel bridge over Turkey Creek, 3 ft. S. and 6 ft. W. from wire gate at junction of private rd. W., on stone; chiseled square.....	926. 86
Mineral Wells, 7.0 mi. NW. of, 60 ft. SW. of sharp turn to N. in rd., in root on N. side of 12-in. oak tree; copper nail and washer.....	991. 50
Mineral Wells, 7.4 mi. NW. of, 0.4 mi. E. of Union Hill School, 20 ft. W. of junction of E.-W. rd., about 4 ft. S. of V-fence corner, in concrete post; standard tablet stamped "T 1 1923".....	1, 006. 825
Reference mark, at rd. junction, on stone; chiseled square.....	1, 006. 78
Mineral Wells, 9.0 mi. NW. of, on summit of main ridge, 40 ft. NW. of crossroads, in root of 4-in. mesquite bush; copper nail and washer..	1, 155. 42
Mineral Wells, 9.8 mi. NW. of, 50 ft. E. of gate, on N. side of fence, in root on S. side of clump of two 4-in. mesquite bushes; copper nail and washer.....	1, 156. 69
Mineral Wells, 11.2 mi. NW. of, 2.3 mi. S., thence 1.8 mi. E. from post office at Oran, 60 ft. SE. of junction of Turkey Creek rd. and main rd. to Graford, 6 ft. E. of gate; iron post stamped "T 2 1923".....	1, 169. 363
Reference mark 1, 100 ft. SE. of rd. junction, 60 ft. SE. of gate, 10 ft. W. of rd., on stone; chiseled square.....	1, 169. 14
Reference mark 2, 100 ft. E. of rd. junction, 10 ft. E. of gate, on stone; chiseled square.....	1, 169. 64
Oran, 2.3 mi. S., thence 1.0 mi. E. from, 4 ft. S. and 6 ft. E. from gate of private rd. N. to Dow ranch, on stone; chiseled square.....	1, 125. 95
Oran, 2.3 mi. S. of, 40 ft. SE. of rd., at right-angle turn N., 2 ft. NW. of corner of fence lines E., N., and S., on stone 1 ft. long set in place; chiseled square.....	1, 105. 88
Oran, 1.6 mi. S. of, 100 ft. W. of junction of T-rd. W. to Graford, in root on S. side of 3-in. mesquite bush; copper nail and washer.....	1, 050. 70
Oran, 0.8 mi. S. of, 40 ft. E. of junction of T-rd. W., in concrete post; standard tablet stamped "T 3 1923 Reset 1938" ³⁵	1, 036. 027
Reference mark 1, 40 ft. E. of rd. junction, in fence line, on stone; chiseled square.....	1, 035. 31
Reference mark 2, 50 ft. NW. of rd. junction, in root on E. side of 18-in. mesquite tree; copper nail and washer.....	1, 035. 11

³⁴ This line cuts the southwest corner of Jacksboro No. 4 quadrangle but no marks were set in that portion of the line.

³⁵ In 1938 this bench mark was reset at an elevation 0.575 foot higher than its original position. The figures given represent the new elevation.

	<i>Feet</i>
Oran, 0.6 mi. S. of, 50 ft. NE. of junction of T-rd. E., in root on W. side of 18-in. oak tree; copper nail and washer-----	1,025.24
Oran, 600 ft. N. of post office, 40 ft. NE. of junction of T-rd. E., 3 ft. N. of fence corner, on 3- by 12-in. sandstone rock; chiseled square-----	994.41
Oran, 1.5 mi. N. of, 30 ft. SW. of junction of E.-W. rd., 4 ft. S. of V-fence corner; iron post stamped "T 4 1923 Reset 1938" ³⁰ -----	984.880
Reference mark, 30 ft. N. of rd. junction, 2 ft. W. of telephone pole, on sandstone rock 4 by 6 in. at top; chiseled square-----	984.49
Oran, 1.5 mi. N., thence 0.9 mi. W. from, at ranch house of J. A. Mann, in SW. corner of yard, 40 ft. E. of junction of lane N., in root on N. side of 12-in. mesquite tree; copper nail and washer----	984.38
Oran, 1.5 mi. N., thence 1.6 mi. W. from, at steel bridge over Keechi Creek, on SW. concrete abutment; chiseled square-----	950.79
Oran, 1.5 mi. N., thence 3.3 mi. W. from, 20 ft. SE. of junction of T-rd. S., 4 ft. E. of gate; iron post stamped "T 5 1923"-----	973.559
Reference mark, at summit of ridge, on S. side of rd., in root on N. side of 8-in. mesquite tree; copper nail and washer-----	981.58
Oran, 1.5 mi. N., thence 4.5 mi. W. from, 1.3 mi. SE. of Christian, 60 ft. SW. of right-angle turn N. in rd., 2 ft. N. of corner post of E.-W. and N.-S. fence lines, on sandstone rock set in place; chiseled square-----	943.51
Christian, 20 ft. W. of junction of rd. N. at, 6 ft. N. of fence corner, in concrete post; standard tablet stamped "T 6 1923"-----	977.784
Reference mark 1, about 100 ft. SW. of rd. junction, in root on N. side of 18-in. post-oak tree; copper nail and washer-----	977.34
Reference mark 2, 80 ft. N. of rd. junction, in root on S. side of 6-in. oak tree; copper nail and washer-----	978.37
From point 2.8 miles south of Graford along road north to Christian (by I. F. Hazelwood in 1923)	
Graford, 1.6 mi. S. of, 100 ft. NW. of house on E. side of rd., on E. side of rd., in root on W. side of 6-in. mesquite tree; copper nail and washer-----	973.17
Graford, at First State Bank, at S. end of E. window; chiseled square--	964.56
Graford, at E. entrance to schoolhouse, 14 ft. N. of NE. corner of concrete doorstep, 4 ft. E. of building; iron post stamped "H 1 1924"-----	958.038
Reference mark, at E. entrance to schoolhouse, on NE. corner of concrete doorstep; chiseled square-----	959.10
Graford, 1 block N. of crossing of Weatherford, Mineral Wells & Northwestern Ry., 30 ft. NE. of center of crossroads, on concrete culvert; chiseled square-----	945.86
Graford, 1.3 mi. N. of R. R. crossing, about 30 ft. E. of rd., 55 ft. W. of residence of T. J. Green, 6 ft. N. of front gate, in concrete post; standard tablet stamped "H 2 1923"-----	971.495
Reference mark, in front of Green residence, in root of 8-in. mesquite tree; copper nail and washer-----	971.51
Graford, 2.1 mi. N. of, at NW. end of bridge, on top of concrete wing wall; chiseled square-----	951.76
Graford, 2.3 mi. N. of, 90 ft. NW. of junction of T-rd. E., in root of 6-in. mesquite tree; copper nail and washer-----	953.82

³⁰ In 1938 this bench mark was reset at an elevation 0.361 foot lower than its original position. The figures given represent the new elevation.

440 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Graford, 2.8 mi. N. of, 50 ft. N. of entrance to farm of Robert Terpin, in root of 12-in. mesquite tree; copper nail and washer.....	Feet 953. 46
Graford, 3.2 mi. N. of, at bridge over Keechi Creek, on NE. corner of concrete abutment; chiseled square.....	950. 44

From Oran southeast along road 2.1 miles (by I. F. Hazelwood in 1923; single
spur line)

Oran, 1.1 mi. E. of, 12 ft. S. of center line of rd., on rock; chiseled square.....	1, 098. 60
Oran, 1.3 mi. SE. of, 15 ft. S. of center line of rd., in root on N. side of 14-in. post-oak tree; copper nail and washer.....	1, 111. 29
Oran, 2.1 mi. SE. of, 18 ft. S. of center line of rd., in root on N. side of 15-in. oak tree; copper nail and washer.....	1, 098. 11

From road junction 1.5 miles north of Oran along road east 1.8 miles (by I. F.
Hazelwood in 1923; releveled by Basil Tuttle in same year)

Oran, 1.5 mi. N., thence 1.0 mi. E. from, 10 ft. N. of center of junction of T-rd. S., on rock; chiseled square.....	1, 006. 34
Oran, 1.5 mi. N., thence 1.8 mi. E. from, 60 ft. SE. of junction of T-rd. N., in root of 6-in. mesquite tree; copper nail and washer....	1, 021. 83

MONTAGUE NO. 3 QUADRANGLE

[Latitude 33°30'–33°45'; longitude 97°45'–98°00']

CLAY AND MONTAGUE COUNTIES

From Montague No. 4 quadrangle at point about 2 miles north of Tage south-
west along road to Bowie, thence northwest along Fort Worth & Denver
City and Chicago, Rock Island & Gulf Railways into Terral quadrangle
(by E. W. Glafcke in 1900)

Montague, 3.7 mi. SW. of, about 2 mi. N. of Tage, 500 ft. NW. of farmhouse, on N. side of telephone rd.; iron post stamped "1073 Gainv".....	1, 072. 922
Montague, 5.9 mi. SW. of, 6.2 mi. NE. of Bowie, 1,000 ft. E. of E. fork of Denton Creek, at turn of telephone rd. to N.; iron post stamped "1058 Gainv".....	1, 057. 666
Bowie, 3.8 mi. NE. of, 0.8 mi. SW. of suspension bridge, to right of rd., on high mesa; iron post stamped "1127 Gainv".....	1, 127. 219
Bowie, 100 ft. E. of Fort Worth & Denver City Ry. sta., at Brown Hotel, at SW. corner of street; iron post stamped "1124 Gainv" (recovered in 1903; also recovered by U. S. C. & G. S. in 1902)....	1, 123. 922
U. S. C. & G. S. copper bolt designated "B" ³⁷	1, 145. 231
Bowie, 2.0 mi. NW. of, at milepost 542, on W. side of track; top of section of rail set vertically.....	1, 051. 60
Bowie, 3.0 mi. NW. of, at milepost 541; top of section of rail set vertically.....	1, 014. 98
Bowie, 4.0 mi. NW. of, 4.5 mi. SE. of Stoneburg, 210 ft. S. of milepost 540. 40 ft. E. of track, at rd. crossing; iron post stamped "989 Gainv" (recovered by U. S. C. & G. S. in 1902).....	989. 411
Stoneburg, 3.5 mi. S. of, at milepost 539; top of section of rail set vertically.....	960. 61
Stoneburg, 2.5 mi. SE. of, at milepost 538; top of section of rail set vertically.....	959. 38
Stoneburg, 1.5 mi. SE. of, at milepost 537; top of section of rail set vertically.....	935. 25

³⁷ The tie between this bench mark and the bench mark stamped "1124 Gainv" was made in 1903.

Stoneburg, 500 ft. W. of sta., at NE. corner of post office building; iron post stamped "936 Gainv" (recovered in 1903; recovered also by U. S. C. & G. S. in 1902)-----	<i>Feet</i> 936. 281
Stoneburg, 1.5 mi. NW. of, at milepost 534; top of section of rail set vertically-----	901. 72
Stoneburg, 2.5 mi. NW. of, at milepost 533; top of section of rail set vertically-----	868. 80
Stoneburg, 3.5 mi. NW. of, at milepost 532; top of section of rail set vertically-----	863. 48
Stoneburg, 4.5 mi. NW. of, 0.6 mi. NW., thence 3.3 mi. SE. from Ringgold, 50 ft. S. of milepost 531, opposite Walker ranch, 50 ft. W. of track, on right-of-way; iron post stamped "876 Gainv" (recovered by U. S. C. & G. S. in 1902)-----	876. 081
Ringgold, 0.6 mi. NW., thence 2.3 mi. S. from, at milepost 530; top of section of rail set vertically-----	865. 71
<p>From Montague No. 4 quadrangle at point about 2 miles south of Salons along roads alternately southwest and northwest by way of Fruitland to Rock Hill School, thence northwest along Chicago, Rock Island & Gulf Railway and roads by way of Wall and May ranches to point 0.8 mile north of Prairie Branch School, thence north and west along roads to Stoneburg (by M. S. Bright in 1903)</p>	
Fruitland, 2.6 mi. NE. of, 0.5 mi. SW. of Pleasant Mound School, at crossroads, 70 ft. NE. of farmhouse of W. A. Miller, in NE. fence corner, in 12-in. post-oak tree; nail-----	1, 013. 86
Fruitland, 20 ft. S. of Fort Worth & Denver City Ry. sta., in retaining wall; nail-----	1, 049. 32
U. S. C. & G. S. copper bolt designated "H"-----	1, 053. 856
Fruitland, about 3.5 mi. W. of, 4.2 mi. S. of Bowie, 150 ft. SE. of Rock Hill School, between rds.; iron post stamped "972 Gainsv"__	973. 325
Reference mark, 175 ft. E. of schoolhouse, in 12-in. post-oak tree; nail-----	973. 17
D. B. Wall ranch house, 0.8 mi. NE. of, at summit of divide, 2 ft. S. of rd., on rock; chiseled mark-----	1, 050. 12
J. T. Turley farmhouse, 500 ft. NW. of, on E. side of rd., on limestone outcrop; chiseled mark-----	941. 21
Lee May ranch house, 2,000 ft. S. of, about 5.5 mi. SW. of Bowie, on E. side of rd., at S. end of lane N., 4 ft. N. of fence corner; iron post stamped "1006 Gainsv"-----	1, 007. 342
Lee May ranch house, 0.8 mi. N. of, in center of lane, in S. side of 24-in. post-oak tree; nail-----	1, 012. 92
Montague coal mine, 1.2 mi. S. of, in center of lane, in 24-in. post-oak tree; nail-----	1, 010. 35
Montague coal mine, 655 ft. W. of, on W. side of drain, on sandstone outcrop; chiseled mark-----	984. 52
Bowie, about 6 mi. W. of, 1.8 mi. S. of Leona School, 0.6 mi. N. of farmhouse of Z. M. Wilson, 850 ft. S. of crossroads, on S. edge of drain, on E. side of rd.; standard tablet stamped "1004 Gainv"-----	1, 005. 480
Leona School, 0.3 mi. S. of, 250 ft. E. of farmhouse of J. L. Sanders, on N. side of Bowie-Buffalo Spring rd., 60 ft. W. of Stoneburg-Newport rd., in 18-in. post-oak tree; nail-----	1, 074. 77
Bowie, about 6 mi. NW. of, 2.3 mi. W., thence 4.5 mi. S. from Stoneburg, 500 ft. W. of milepost "Fort Worth 74, Denver 730," 150 ft. N. of Fort Worth & Denver City Ry. track, at junction of lane N., at NE. fence corner; iron post stamped "995 Gainv"-----	996. 033

442 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Stoneburg, 2.3 mi. W., thence 1.5 mi. S. from, 400 ft. N. of farmhouse of H. A. Speer, at crossroads, 4 ft. S. of SW. fence corner; iron post stamped "947 Gainsv"-----	Feet 947. 856
U. S. C. & G. S. copper bolt designated "E"-----	935. 188

From Stoneburg along roads alternately east and north into Terral quadrangle at point 3.5 miles south of Belcherville (by M. S. Bright in 1903)

Stoneburg, 1.0 mi. E. of, at SW. corner of crossroads, 100 ft. S. of Boone farmhouse, on stone; chiseled mark-----	961. 92
Stoneburg, 4.2 mi. NE. of, 600 ft. E. of bridge over Victoria Creek, 150 ft. W. of rd. fork, on S. side of rd., at fence corner; iron post stamped "893 Gainv"-----	892. 830
Stoneburg, 8.0 mi. NE. of, 5.2 mi. S. of Belcherville, on S. side of rd., at junction of rd. N.; iron post stamped "909 Gainv"-----	909. 395

MONTAGUE NO. 4 QUADRANGLE

[Latitude 33°30'-33°45'; longitude 97°30'-97°45']

MONTAGUE COUNTY

From Nocona quadrangle southeast along Missouri-Kansas-Texas Railroad into Muenster quadrangle (by E. W. Glafcke in 1899)

Bonita, 2.7 mi. SE. of, 4.5 mi. NW. of St. Jo, at milepost 731, at rd. crossing, 25 ft. N. of track; iron post stamped "1009 Gainv"-----	1, 009. 733
St. Jo, 300 ft. E. of sta., 10 ft. S. of main track, near wagon rd.; iron post stamped "1142 Gainv" (recovered by U. S. C. & G. S. in 1934)-----	1, 142. 599

From Nocona quadrangle at point 2.5 miles south of Nocona south and southwest along roads by way of Montague into Montague No. 3 quadrangle at point about 2 miles north of Tage (by E. W. Glafcke in 1900)

Nocona, 5.3 mi. S. of, 3.5 mi. N. of Montague, 500 ft. S. of Dixie School, 10 ft. W. of rd.; iron post stamped "941 Gainv"-----	941. 773
Montague, at Montague County courthouse, on S. side of main entrance, in W. capstone; aluminum tablet stamped "1076 Gainv"-----	1, 075. 653

From Muenster quadrangle at point 1.5 miles southeast of Hardy generally north along roads to St. Jo (by M. S. Bright in 1903)

Hardy, 1.0 mi. SE. of, 600 ft. S. of farmhouse of Henry Norman, at summit of ridge, on S. side of rd., in 18-in. post-oak tree; spike-----	1, 052. 20
Hardy, 217 ft. W. of store of D. P. McCracken, on N. side of rd.; iron post stamped "952 Gainsv"-----	953. 048
Hardy, 1.5 mi. N. of, 2.0 mi. S. of Gladys, at summit of ridge, on NW. side of rd., in S. side of 20-in. post-oak tree with broken top; spike-----	1, 020. 14
Gladys, 25 ft. W. of post office, on E. side of rd.; iron post stamped "1027 Gainsv"-----	1, 028. 379
Gladys, 3.3 mi. NW. of, 3.5 mi. S. of St. Jo, on W. side of rd. at turn from NE. to NW., 40 ft. S. of fence corner; iron post stamped "1167 Gainsv"-----	1, 168. 850

From Nocona quadrangle at point 4.3 miles east and 2.6 miles southeast from Nocona southeast and southwest along settlement roads by way of Blue Mound, Dye Mounds, and Mallard into Montague No. 3 quadrangle at point about 2 miles south of Salona (by M. S. Bright in 1903)

Nocona, 4.3 mi. E., thence 4.0 mi. SE. from, 4.0 mi. NW. of Blue Mound School, on N. side of rd. junction at Starkey Cemetery, 17 ft. E. of SW. fence corner; iron post stamped "987 Gainsv"-----	988. 254
Blue Mound School, 3.0 mi. NW. of, 1.0 mi. by rd. N. of Blue Mound, on E. side of rd., in W. side of 12-in. blackjack tree used as gatepost; nail-----	992. 44

	<i>Feet</i>
Blue Mound School, 120 ft. S. of, on S. side of rd.; iron post stamped "1123 Gainsv"-----	1, 124. 276
Blue Mound, 500 ft. S. of, on summit of divide, 3 ft. E. of rd., in 8-in. blackjack tree; nail-----	1, 253. 03
Blue Mound, 1.7 mi. S. of, 2.6 mi. NW. of Dye Mounds, 200 ft. S. of rd., 500 ft. SE. of cabin, in 10-in. post-oak tree; nail-----	1, 151. 06
Dye Mounds, at W. end of, 0.2 mi. NW. of Dye post office, on summit of ridge, on E. side of rd., near wire fence; iron post stamped "1235 Gainsv"-----	1, 236. 258
Dye Mounds, 1.0 mi. SW. of, 200 ft. S. of rd. fork, on N. side of rd., in 12-in. post-oak tree; nail-----	1, 214. 52
Dye Mounds, 1.6 mi. SW. of, 2.7 mi. NE. of Mallard, in rd. fork, in 10-in. post-oak tree; nail-----	1, 128. 22
Mallard, at NW. corner of post office and store of C. T. Jester; iron post stamped "985 Gainsv"-----	986. 618
Mallard, 1.8 mi. SW. of, 60 ft. W. of rd. fork, in 14-in. blackjack tree; nail-----	988. 83
Mallard, 3.3 mi. SW. of, 2 ft. N. of Dry Valley School, 200 ft. S. of crossroads; iron post stamped "933 Gainsv"-----	934. 320
Mallard, 4.3 mi. SW. of, on S. side of rd., at fork, in 12-in. post-oak tree used as corner fence post; nail-----	998. 78
Mallard, 7.3 mi. SW. of, 0.7 mi. SW., thence 1.0 mi. SE. from Salona, 4.8 mi. NE. of Fruitland, 150 ft. E. of farmhouse of H. H. McPherson, at crossroads, 4 ft. N. of NW. corner fence post; iron post stamped "1021 Gainsv"-----	1, 021. 964
Fruitland, 3.8 mi. NE. of, 300 ft. SW. of Overstreet farmhouse, on E. side of rd., in 18-in. leaning post-oak tree; nail-----	1, 054. 75

From Montague along road southeast to crossroads 1.6 miles southwest of Dye Mounds (by M. S. Bright in 1903)

Montague, 1.0 mi. SE. of, on E. side of rd., in front of house, in 16-in. post-oak tree; nail-----	1, 077. 38
Montague, 3.0 mi. SE. of, on S. side of rd., in 12-in. leaning post-oak tree; nail-----	1, 110. 44
Montague, 4.0 mi. SE. of, on S. side of rd., at milestone 4; top of stone-----	1, 126. 01
Montague, 5.0 mi. SE. of, 1.6 mi. SW., thence 1.0 mi. NW. from Dye Mounds, on W. side of rd., 50 ft. S. of junction of lane W., in 12-in. leaning post-oak tree; bolt-----	1, 143. 65

MORGAN QUADRANGLE

[Latitude 32°00'–32°15'; longitude 97°30'–97°45']

BOSQUE, JOHNSON, AND SOMERVELL COUNTIES

From Blum quadrangle at point about 2 miles north of Kimball along roads south to Kimball and back into Blum quadrangle (by W. A. Shumate in 1923)

Kimball, 1.3 mi. N. of, in concrete porch of Kimball Consolidated School; standard tablet stamped "S 13 1923"-----	664. 369
Reference mark, on E. side of rd., 110 ft. E. of schoolhouse, in root on W. side of 48-in. oak tree; copper nail and washer-----	665. 13
Kimball, 0.4 mi. W. of, in SE. angle of crossroads, in top of small mesquite stump; copper nail and washer-----	569. 99

444 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From southwest corner of Cleburne No. 2 quadrangle along roads southwest to Freeland and Brazos Valley School, thence northwest about 4 miles into Godley quadrangle (by W. A. Shumate in 1923)

	<i>Feet</i>
Freeland and Brazos Valley School, 4.7 mi. NE. of, on W. side of rd., on S. end of stone retaining wall of culvert; chiseled square-----	780. 62
Freeland and Brazos Valley School, 3.6 mi. NE. of, 400 ft. W. of main rd., on N. side of rd. W., near NW. corner of triangle formed by fences, in concrete post; standard tablet stamped "Prim Trav Sta No 5 F 1923 S 19"-----	826. 740
Reference mark, 70 ft. E. of tablet, on N. side of traveled rd. W., on solid stone; chiseled square-----	823. 90
Freeland and Brazos Valley School, 2.4 mi. NE. of, at angle in rd., 35 ft. W. of dead oak tree, on rock outcrop; chiseled square-----	852. 63
Freeland and Brazos Valley School, 1.3 mi. NE. of, on S. side of rd., 40 ft. W. of drain crossing, in root on N. side of 18-in. mesquite tree; copper nail and washer-----	675. 33
Freeland and Brazos Valley School, 0.6 mi. NE. of, on N. side of rd., in line with rd. N., on solid stone; chiseled square-----	674. 90
Freeland and Brazos Valley School, near NE. corner of, 3 ft. S. of fence corner, in concrete post; standard tablet stamped "S 20 1923"-----	681. 434
Reference mark, 155 ft. SW. of tablet, on N. cornerstone of water tank; chiseled square-----	682. 62
Freeland and Brazos Valley School, 0.8 mi. NW. of, on NE. side of rd., about in line with rd. SW., in root of double 12-in. mesquite tree; copper nail and washer-----	694. 06
Freeland and Brazos Valley School, 1.6 mi. NW. of, on N. side of Meridian highway, at entrance to Poindexter ranch, in concrete post; standard tablet stamped "Prim Trav Sta No 3 F 1923 S 21" ³⁸ -----	719. 026
Freeland and Brazos Valley School, 3.0 mi. NW. of, 1,500 ft. S. of Poindexter ranch house, 2 ft. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 2 F 1923 S 22"-----	760. 476
Reference mark, 150 ft. N. of tablet, 6 ft. E. of N.-S. fence, in root on E. side of 6-in. mesquite tree; copper nail and washer-----	757. 11
Freeland and Brazos Valley School, 3.5 mi. NW. of, on W. side of rd., 20 ft. E. of N.-S. fence, on solid rock; chiseled square-----	824. 26

From point 1.6 miles northwest of Freeland and Brazos Valley School along roads southwest to Eulogy, thence southeast 3.5 miles, thence generally east to point 0.4 mile west of Kimball (by W. A. Shumate in 1923)

Freeland and Brazos Valley School, 1.6 mi. NW., thence 1.1 mi. SW. from, 2.6 mi. NE. of Brazos Point, on E. side of rd., 150 ft. N. of rd. E., at Five Oaks corner, in root of 48-in. live-oak tree; copper nail and washer-----	707. 78
Brazos Point, 1.7 mi. NE. of, on W. side of iron bridge over Brazos River, on second iron pier from N. end; chiseled square-----	573. 19
Brazos Point, 0.4 mi. NE. of, on N. side of rd., on concrete culvert; chiseled square-----	605. 02
Brazos Point, 60 ft. from corner of garage, on W. side of rd., about in line with rd. SE., in large stone; standard tablet stamped "Prim Trav Sta No 17 F 1923 S 23"-----	623. 350
Reference mark, 50 ft. S. of tablet, on W. side of rd., on solid rock; chiseled square-----	623. 69

³⁸ In 1937 it was reported that the tablet had been destroyed although the post was in place.

	<i>Feet</i>
Brazos Point, 1.1 mi. SW. of, 1.2 mi. NE. of Eulogy, on N. side of rd., on concrete culvert; chiseled square-----	666. 13
Eulogy, 0.3 mi. NE. of, on N. side of rd., on concrete culvert; chiseled square-----	729. 38
Eulogy, at building used for garage and drug store, in concrete porch, 1 ft. from edge; standard tablet stamped "Prim Trav Sta No 18 F 1923 S 24"-----	767. 361
Eulogy, in NE. angle of crossroads, on solid rock; chiseled square----	764. 50
Eulogy, 1.0 mi. SE. of, on W. side of rd., 320 ft. S. of culvert, on solid rock; chiseled square-----	756. 81
Eulogy, 2.2 mi. SE. of, on W. side of rd., about in line with fence E., on large rock; chiseled square-----	782. 51
Eulogy, 2.9 mi. SE. of, in SE. angle of junction of rd. S., 2.5 ft. from fence, in concrete post; standard tablet stamped "Prim Trav Sta No 19 F 1923 S 25" ³⁹ -----	804. 643
Reference mark, on E. side of rd., on stone set firmly in ground; chiseled square-----	802. 18
Eulogy, 3.5 mi. SE., thence 0.5 mi. NE. from, on N. side of E.-W. lane, 150 ft. from house, on rock; chiseled square-----	748. 99
Eulogy, 3.5 mi. SE., thence 1.4 mi. by rd. E. from, 0.6 mi. NW., thence 2.5 mi. SW. from Frog Hollow School, on W. side of rd., 150 ft. N. of junction of rd. E., on solid rock; chiseled square-----	744. 58
Frog Hollow School, 0.6 mi. NW., thence 1.3 mi. SW. from, 110 ft. W. of rd. S., on rock outcrop; chiseled square-----	683. 93
Frog Hollow School, 0.6 mi. NW. of, in SW. angle of junction of lane with N.-S. rd., 400 ft. N. of house, 2.5 ft. from fence, in concrete post; standard tablet stamped "Prim Trav Sta No 20 F 1923 S 26"-----	675. 899
Reference mark, 30 ft. E. of tablet, on W. side of rd., on solid rock; chiseled square-----	677. 72
Frog Hollow School, 0.2 mi. SE. of, 4.8 mi. NW. of Kimball, on E. side of rd., 150 ft. N. of rd. E., on solid ledge of rock; chiseled square-----	665. 65
Kimball, 3.5 mi. NW. of, on S. side of rd., in line with rd. N., 6 ft. from fence, on solid rock ledge; chiseled square-----	629. 08
Kimball, 2.2 mi. W. of, 60 ft. W. of rd., on N. bank of drain, in root of 18-in. mesquite tree; copper nail and washer-----	610. 24
Kimball, 1.4 mi. W. of, 260 ft. W. of rd., 30 ft. N. of rd. W., 80 ft. E. of fence corner, in 4-in. mesquite tree; copper nail and washer-----	643. 29
From point 3.3 miles northwest of Steiner along road northwest, north, and east 0.9 mile (by E. E. Harris in 1923)	
[A jog from Blum quadrangle]	
Steiner, 4.2 mi. NW. of, on W. bank of angle in rd., in root on E. side of 20-in. live-oak tree; copper nail and washer-----	553. 80
From point 2 miles south of Kopperl along road northwest and northeast 0.8 mile (by E. E. Harris in 1923)	
[A jog from Blum quadrangle]	
Kopperl, 1.5 mi. S. of, in SE. corner of right-angle turn in rd., in root on W. side of small mesquite tree; copper nail and washer-----	539. 98

³⁹ In 1937 it was reported that the tablet had been destroyed although the post was in place.

446 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From point 0.5 mile southeast of Kopperl along roads northwest to Kopperl, thence northeast 0.2 mile (by E. E. Harris in 1923)

[A jog from Blum quadrangle]

	Feet
Kopperl, in front of Gulf, Colorado & Santa Fe Ry. sta.; top of rail-----	574. 2
Kopperl, in center of S. (front) wall of concrete sta., directly under telegraph window, set vertically; standard tablet stamped "H 57 1923"-----	575. 223
Reference mark, 202 ft. E. of tablet, on top of section of rail; cross-----	573. 16

Along Glenrose-Cleburne road southwest 0.3 mile to Granbury-Glenrose road, thence north 0.2 mile (by H. P. Kilby in 1923)

[A jog from Godley quadrangle]

Glenrose, about 2 mi. NE. of, 80 ft. N.24°E. of junction of Glenrose-Cleburne and Granbury-Glenrose rds., 5 ft. E. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 33 Y 1923 K 18" ⁴⁰ (recovered by U. S. C. & G. S. in 1933)-----	628. 034
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MOUNT BONNELL QUADRANGLE

[Latitude 30°15'-30°30'; longitude 97°45'-98°00']

TRAVIS AND WILLIAMSON COUNTIES

From Austin No. 1 quadrangle along International-Great Northern Railroad northwest and northeast and back into Austin No. 1 quadrangle (by Thomas Winsor in 1898)

Austin, 5.0 mi. N. of, 6.0 mi. SW. of Duval, on S. side of Bull Creek rd., 750 ft. N. of signboard at Hooper switch, 27 ft. E. of track; iron post stamped "702 SA"-----	694. 244
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From Austin No. 3 quadrangle at point 2.3 miles northwest of Oak Hill along roads northwest and west by way of New Bee Caves and Bee Caves into Spicewood quadrangle (by E. E. Harris in 1930)

Oak Hill, 0.3 mi. W., thence 1.9 mi. NW. from, 5.8 mi. SE. of New Bee Caves, 24 ft. NW. of center line of rd., 100 ft. N. of junction of private driveway, in rock ledge; standard tablet stamped "H 97 1930"-----	938. 703
Reference mark, 176 ft. N. of tablet, on E. bank of rd., on top of prominent ledge 3 ft. above rd. level; chiseled square-----	944. 47
New Bee Caves, 4.6 mi. SE. of, at summit of grade, on W. side of rd., in root on W. side of lone cedar tree; copper nail and washer-----	1, 032. 35
New Bee Caves, 3.7 mi. SE. of, at summit of grade, on W. side of rd., in fork of large mesquite tree; copper nail and washer-----	987. 55
New Bee Caves, 3.1 mi. SE. of, at summit of grade, 27 ft. W. of center line of rd., 117 ft. N. of drain pipe, on rock outcrop; standard tablet stamped "H 98 1930"-----	992. 603
Reference mark, 309 ft. S. of tablet, in root on NW. side of cedar tree; copper nail and washer-----	991. 15
New Bee Caves, 2.4 mi. SE. of, on W. side of rd., at top of bluff, near S. end of guard rail of rd., 25 ft. N. of drain pipe, in fork of cedar tree; copper nail and washer-----	924. 36
New Bee Caves, 1.5 mi. SE. of, on W. side of concrete dip of rd. across Barton Creek; chiseled square-----	743. 79
New Bee Caves, 0.5 mi. SE. of, at junction of Barton Springs rd., in NE. corner of pasture, 3 ft. S. and 3 ft. W. from fence line, in concrete post; standard tablet stamped "H 99 1930"-----	921. 007

⁴⁰ In 1937 this bench mark was reported destroyed.

Reference mark, 177 ft. N.35°W. of tablet, in root on W. side of 10-in. live-oak tree; copper nail and washer.....	Feet 922. 42
New Bee Caves, on S. side of rd., in line with rd. N., in root on N. side of prominent leaning 24-in. live-oak tree; copper nail and washer.....	920. 30
New Bee Caves, 0.8 mi. W. of, 0.5 mi. E. of Bee Caves, on S. side of rd., on W. side of drain, opposite fence corner, in root on N. side of 12-in. live-oak tree; copper nail and washer.....	899. 45
Bee Caves, 100 ft. from rd. fork, 35 ft. from each rd., in concrete post; standard tablet stamped "H 100 1930".....	965. 117
Reference mark, 80 ft. W. of tablet, in root on S. side of 15-in. live-oak tree; copper nail and washer.....	966. 18
Bee Caves, 0.8 mi. W. of, on S. side of rd., 100 ft. E. of private driveway, on head wall of concrete culvert; chiseled square.....	979. 69
Bee Caves, 1.8 mi. W. of, on N. side of angle in rd., 170 ft. E. of junction of rd. NW., on head wall of concrete culvert; chiseled square.....	1, 005. 06
From Bee Caves northwest along road into Spicewood quadrangle (by E. E. Harris in 1930)	
Bee Caves, 0.7 mi. NW. of, on N. side of rd., in front of house owned and occupied by R. E. Moore, in root on W. side of live-oak tree; copper nail and washer.....	985. 37
Bee Caves, 1.7 mi. NW. of, on N. side of rd., 70 ft. W. of junction of woods rd. N., opposite gate and clearing to S., in root on S. side of leaning live-oak tree; copper nail and washer.....	1, 094. 64
From Spicewood quadrangle near Airfield ranch along roads northeast, north, and northwest and back into Spicewood quadrangle (by E. E. Harris in 1930)	
Airfield ranch, 0.3 mi. NE. of, 40 ft. S. of angle in rd., at summit of grade, 50 ft. E. of concrete watering trough, near corral, in root on SW. side of 10-in. live-oak tree; copper nail and washer.....	850. 47
Airfield ranch, 1.0 mi. NE. of, 1.2 mi. SE. of Lohmann Crossing of Colorado River, 37 ft. SW. of center line of rd., 32 ft. SE. of ranch rd. SW., 5 ft. SW. of fence line, in prominent rock outcrop; standard tablet stamped "H 106 1930".....	780. 696
Reference mark, 54 ft. W. of tablet, on rock ledge; chiseled square.....	782. 94
Lohmann Crossing, on S. side of river, 20 ft. W. of center line of rd., on prominent ledge of red stone; chiseled square.....	535. 22
Colorado River; surface of water May 1, 1930.....	534. 2
Lohmann Crossing, 0.6 mi. NW. of, 3.0 mi. S. of Cox Spring School, 1.4 mi. SE. of Cox Crossing of Colorado River, 10 ft. SW. of center line of rd., 100 ft. SE. of center of large triangle formed by rds. in three directions, in top of rock ledge; standard tablet stamped "H 112 1930".....	730. 868
Reference mark, 41 ft. E. of tablet, in root on SE. side of 10-in. live-oak tree; copper nail and washer.....	729. 67
Cox Spring School, 2.2 mi. S. of, on E. side of sharp turn in rd., on S. side of drain, on rock outcrop; chiseled square.....	732. 73
Cox Spring School, 1.2 mi. S. of, at summit of grade, on E. side of rd., in root on SE. side of 15-in. cedar tree; copper nail and washer.....	842. 24
Cox Spring School, 800 ft. N. of, 30 ft. E. of center line of rd., 69 ft. N. of junction of second-class rd. SE., 3 ft. W. of fence line, in rock outcrop; standard tablet stamped "H 113 1930".....	839. 479
Reference mark, 185 ft. S.10°W. of tablet, in root on E. side of 12-in. cedar tree; copper nail and washer.....	843. 09

	<i>Feet</i>
Cox Spring School, 1.0 mi. N. of, in SW. corner of junction of dim rd., in root on W. side of large cedar tree; copper nail and washer.....	898. 89
Cox Spring School, 1.8 mi. N. of, 40 ft. E. of center line of rd., opposite junction of rd. W., in root on E. side of small live-oak tree; copper nail and washer.....	928. 18
Cox Spring School, 2.7 mi. N. of, 43 ft. W. of center line of rd., in line with dim rd. E., in large boulder; standard tablet stamped "H 114 1930".....	971. 186
Reference mark, 48 ft. S.20°E. of tablet, on rock ledge; chiseled square.....	966. 25
Cox Spring School, 3.7 mi. N. of, on N. side of angle in rd., in wash, on rock ledge; chiseled square.....	931. 33
Cox Spring School, 4.5 mi. N. of, 0.6 mi. NE., thence 5.3 mi. SE. from Travis Peak post office, in NW. corner of rd. junction, on rock ledge in rd.; chiseled square.....	918. 27
Travis Peak post office, 0.6 mi. NE., thence 4.2 mi. SE. from, on N. edge of angle in rd., 200 ft. W. of summit of grade, on rock ledge in rd.; chiseled square.....	807. 61
Travis Peak post office, 0.6 mi. NE., thence 3.7 mi. SE. from, 26 ft. S. of sharp turn in rd. at Turnback Creek, in bed of creek, in prominent rock ledge; standard tablet stamped "H 115 1930".....	676. 545
Reference mark, 50 ft. N.70°E. of tablet, on rock ledge; chiseled square.....	676. 66
<p>From point 1 mile northeast of Airfield ranch along roads northeast to point 0.8 mile northeast of Teck School, thence generally north to road junction 1.5 miles northwest of Watson Crossing of Colorado River, thence northwest to point 4.5 miles north of Cox Spring School (by E. E. Harris in 1930)</p>	
Airfield ranch, 1.8 mi. NE. of, in SE. corner of junction of rd. E., in root on E. side of 8-in. live-oak tree; copper nail and washer.....	778. 68
Airfield ranch, 2.9 mi. NE. of, on W. side of angle NE. in rd., in root on SE. side of 6-in. cedar tree; copper nail and washer.....	737. 09
Airfield ranch, 3.5 mi. NE. of, in NE. corner of crossroads, on lime- stone ledge; chiseled square.....	659. 70
Airfield ranch, 4.6 mi. NE. of, about 1,000 ft. S. of Stewart Crossing of Colorado River, on N. side of rd., at angle in rd. N. to river, in fence corner, in root on SW. side of 30-in. elm tree; copper nail and washer.....	599. 64
Stewart Crossing, 0.6 mi. SE. of, about 1,100 ft. SW. of Teck School, 0.8 mi. NE. of store (formerly Teck post office), 20 ft. W. of center line of rd., 71 ft. S. of center line of rd. NW., 2 ft. E. of fence line, in concrete post; standard tablet stamped "H 120 1930".....	800. 404
Reference mark, 165 ft. N.60°W. of tablet, in root on SE. side of 10-in. cedar tree; copper nail and washer.....	800. 80
Teck School, 0.8 mi. NE. of, on N. side of rd. just W. of angle from E. to NE., 40 ft. E. of junction of rd. E. through plank gate to Hudson Crossing of Colorado River, in root on W. side of 12-in. live-oak tree; copper nail and washer.....	815. 85
Teck School, 0.8 mi. NE., thence 1.0 mi. N. from, on W. side of rd., just S. of N. end of large triangle formed by junction of rd. E., in root on NE. side of large cedar tree; copper nail and washer.....	796. 24
Teck School, 0.8 mi. NE., thence 2.1 mi. N. from, 13.5 ft. NW. of center line of rd., 67 ft. SW. of private rd. W., 6 ft. SE. of fence line, in rock outcrop; standard tablet stamped "H 110 1930"....	742. 185

Reference mark, 171 ft. S.45°W. of tablet, on rock ledge; chiseled square.....	Feet 741. 51
Teck School, 3.5 mi. NE. of, in rd. fork, at summit of grade, 0.4 mi. S. of Watson Crossing of Colorado River, on rock ledge; chiseled square.....	664. 18
Watson Crossing (Haydon Crossing), on N. side of rd., near water, on S. bank of Colorado River, on large rock ledge; chiseled square.....	520. 66
Colorado River; surface of water (about 6 ft. above normal) May 21, 1930.....	517. 1
Watson Crossing, on N. side of river, on E. side of rd.; large boulder.....	519. 71
Watson Crossing, 1.5 mi. NW. of, 4.6 mi. SW. of Davis ranch, about 4 mi. W. of Anderson Mill, 300 ft. S. of crossing of Sandy Creek, 14 ft. E. of center line of old Austin-Burnet rd., 85 ft. N. of sharp turn from SW. to N., 5 ft. above rd. level, in sloping boulder; standard tablet stamped "H 111 1930".....	563. 241
Reference mark, 99 ft. S. of tablet, on prominent boulder; chiseled square.....	555. 22
Watson Crossing, 2.5 mi. NW. of, on N. side of angle in rd., 40 ft. E. of drain, in root on W. side of small live-oak tree; copper nail and washer.....	777. 04
Watson Crossing, 3.4 mi. NW. of, on N. side of rd., in wash, in root on SE. side of prominent cedar tree; copper nail and washer.....	840. 67
Watson Crossing, 4.1 mi. NW. of, 13 ft. NE. of center line of rd., 10 ft. SE. of dim woods rd. NE., in wash, in limestone outcrop; standard tablet stamped "H 116 1930".....	865. 722
Reference mark, 158 ft. N.49°W. of tablet, on limestone ledge; chiseled square.....	866. 28
Watson Crossing, 5.0 mi. NW. of, 4.5 mi. N., thence 0.8 mi. SE. from Cox Spring School, on S. side of angle in rd., 150 ft. W. of wash, in root on N. side of large cedar tree; copper nail and washer.....	909. 65
<p style="margin-left: 40px;">From point 0.8 mile northeast of Teck School along roads generally northeast to point 2.8 miles northeast of Anderson Mill, thence northwest and west by way of Shell Baker ranch to point 1 mile south of Davis ranch, thence southwest to road junction 1.5 miles northwest of Watson Crossing of Colorado River (by E. E. Harris in 1930)</p>	
Teck School, 1.8 mi. NE. of, on N. side of rd., 25 ft. E. of gate, on small boulder; chiseled square.....	830. 64
Teck School, 2.3 mi. NE. of, 260 ft. SE. of junction of private rd. E. to ranch of Widow Johnson, on NE. side of rd., at summit of grade, in rock outcrop; standard tablet stamped "H 121 1930".....	746. 276
Teck School, 3.3 mi. NE. of, on SE. side of sharp turn in rd., in fork of cedar tree; copper nail and washer.....	617. 00
Teck School; 3.9 mi. NE. of, about 300 ft. SW. of house on hilltop, near S. end of large triangle formed by rd. fork, in root on E. side of 15-in. elm tree; copper nail and washer.....	632. 42
Teck School, 4.8 mi. NE. of, 0.7 mi. E. of Hudson Crossing of Colorado River, 16 ft. E. of angle of rd., about 300 ft. S. of river, on small knoll, 26 ft. S. of fence line, in concrete post; standard tablet stamped "H 122 1930".....	528. 215
Reference mark, 130 ft. N.65°W. of tablet, in root on N. side of 12-in. mesquite tree; copper nail and washer.....	519. 24
Hudson Crossing, on SW. bank of river, 200 ft. E. of crossing, in root on S. side of leaning mesquite tree; copper nail and washer.....	513. 49
Colorado River; surface of water (about 8 ft. above normal) May 16, 1930.....	502. 1

450 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Hudson Crossing, 100 ft. W. of, on NE. bank of river, on SE. side of rd., in root on S. side of 24-in. willow tree; copper nail and washer.....	516. 19
Hudson Crossing, 1.1 mi. N. of, 7 ft. N. of center of angle in rd., in drain, in rock ledge; standard tablet stamped "H 123 1930".....	715. 472
Hudson Crossing, 2.1 mi. NE. of, on E. side of rd., on S. side of Cypress Creek, on large black boulder; chiseled square.....	580. 22
Hudson Crossing, 3.0 mi. NE. of, 1.0 mi. W. of Anderson Mill, at Arnold ranch, in SW. corner of rd. junction, on N. side of 15-in. cedar tree; copper nail and washer.....	713. 44
Anderson Mill, 0.5 mi. W. of, 400 ft. NE. of crossing of Long Hollow, 160 ft. W. of junction of rd. N., 19 ft. N. of center of angle in rd., in limestone ledge; standard tablet stamped "H 124 1930".....	676. 264
Reference mark, 197 ft. E. of tablet, in rd., on rock ledge; chiseled square.....	686. 76
Anderson Mill, 0.2 mi. W. of, on S. side of old Austin-Burnet rd. and rd. NE. along Cypress Creek, on N. side of cedar tree; copper nail and washer.....	730. 64
Anderson Mill, 0.8 mi. NE. of, on N. side of sharp turn in rd., at junction of rd. SW., on boulder; chiseled square.....	714. 76
Anderson Mill, 1.4 mi. NE. of, 140 ft. NE. of junction of dim rd. N., on SE. side of rd., on NE. bank of creek, in root on N. side of 30-in. elm tree; copper nail and washer.....	731. 17
Anderson Mill, 2.1 mi. NE. of, on N. side of angle in rd., on W. side of ranch rd. N. to ranch of M. Walker, in creek bottom, in root on on SE. side of 24-in. pecan tree; copper nail and washer.....	767. 42
Anderson Mill, 2.8 mi. NE. of, 0.8 mi. SE. of ranch house of T. H. Booker, 17 ft. NW. and 27 ft. SW. from rd. junction, at summit of grade, in rock ledge; standard tablet stamped "H 125 1930".....	934. 210
Reference mark, 119 ft. S.30°W. of tablet, on rock outcrop; chiseled square.....	927. 42
Booker ranch house, 40 ft. SW. of, on E. side of rd., in root on E. side of 20-in. live-oak tree; copper nail and washer.....	996. 71
Booker ranch house, 0.4 mi. N. of, about 4 mi. SW. of Cedar Park, 2.1 mi. SE. of Shell Baker ranch house, on S. side of rd., 60 ft. W. of rd. junction, 25 ft. E. of gate, in root on NW. side of 15-in. live-oak tree; copper nail and washer.....	1, 005. 31
Shell Baker ranch house, 1.3 mi. SE. of, on E. side of junction of rd. W., 800 ft. S. of Doyle ranch house, in fence line, at gate, in root on SE. side of 12-in. live-oak tree; copper nail and washer.....	991. 40
Shell Baker ranch house, 0.5 mi. SE. of, on NW. side of rd., 10 ft. S. of gate, on rock outcrop; chiseled square.....	1, 013. 99
Shell Baker ranch house, 200 ft. S. of, 30 ft. S. and 23 ft. W. from rd. junction, 9 ft. S. and 1.5 ft. E. from fence corner, in concrete post; standard tablet stamped "H 126 1930".....	1, 080. 250
Shell Baker ranch house, 0.8 mi. W. of, 25 ft. W. of angle in rd., in bed of gully, on rock ledge; chiseled square.....	876. 84
Shell Baker ranch house, 1.7 mi. W. of, 100 ft. S. of ranch house of G. W. Wade (now vacant), on N. side of rd., on N. side of Fisher Hollow, in root on SW. side of 8-in. cedar tree; copper nail and washer.....	798. 54
Shell Baker ranch, 2.6 mi. W. of, 1.0 mi. S. of Davis ranch, on W. side of Lime Creek rd., 200 ft. S. of S. gate on Davis ranch, on rock outcrop; chiseled square.....	795. 93

	<i>Feet</i>
Davis ranch, 1.6 mi. S. of, at summit of steep grade, on W. side of rd., in root on S. side of large cedar tree; copper nail and washer.....	732. 98
Davis ranch, 2.0 mi. SW. of, about 2.5 mi. N. of old Austin-Burnet rd., 200 ft. N. and 60 ft. W. from junction of Sandy Creek and Lime Creek rds.; in rock outcrop; standard tablet stamped "H 127 1930".....	632. 856
Reference mark, 76 ft. N.25°E. of tablet, on rock outcrop; chiseled square.....	636. 61
Davis ranch, 3.0 mi. SW. of, on S. side of angle in rd., on W. side of small wooden bridge, in root on N. side of 8-in. hackberry tree; top of bolt head.....	585. 72
Davis ranch, 3.9 mi. SW. of, 2.3 mi. NW. of Watson Crossing of Colorado River, on E. side of rd., where rd. follows bed of Sandy Creek, on large boulder between two larger and very prominent boulders; chiseled square.....	562. 24
From point 2 miles southwest of Davis ranch northwest 2.3 miles (by E. E. Harris in 1930; single spur line)	
Davis ranch, 2.0 mi. SW., thence 1.0 mi. NW. from, 1.0 mi. S. of ranch of Mark Maynard, on N. side of rd., 15 ft. W. of small wooden bridge, in root on NE. side of 12-in. pecan tree; copper nail and washer.....	640. 99
Maynard ranch, 1.0 mi. S., thence 1.3 mi. W. from, 130 ft. SE. and 14 ft. SW. from junction of dim rd., in clearing, in rock outcrop; standard tablet stamped "H 128 1930".....	814. 441

MUENSTER QUADRANGLE

[Latitude 33°30'-33°45'; longitude 97°15'-97°30']

COOKE AND MONTAGUE COUNTIES

From Montague No. 4 quadrangle southeast along Missouri-Kansas-Texas Railroad into Woodbine quadrangle (by E. W. Glafcke in 1899-1900)

St. Jo, 3.5 mi. E. of, 300 ft. E. of bridge 1453, five telegraph poles E. of milepost 723, on S. side of track, on edge of right-of-way, inside fence along public rd.; iron post stamped "1166 Gainv" (recovered by U. S. C. & G. S. in 1934).....	1, 166. 418
St. Jo, 6.7 mi. SE. of, 3.2 mi. NW. of Muenster, 60 ft. SW. of track, on E. side of rd., near corner of guard fence; iron post stamped "1036 Gainv" (recovered by U. S. C. & G. S. in 1934).....	1, 036. 773
Muenster, 125 ft. NE. of sta., on principal street, in SW. corner of lumber yard; iron post stamped "971 Gainv" (recovered by U. S. C. & G. S. in 1934).....	971. 996
Myra, 300 ft. N. of track, 75 ft. E. of post office, on W. side of track; iron post stamped "917 Gainv" (recovered by U. S. C. & G. S. in 1934).....	918. 210
From Woodbine at point 1.8 miles northwest of Wolf Ridge School west and northwest along roads into Leon quadrangle at point 2.5 miles southeast of Marysville (by E. W. Glafcke in 1900)	
Wolf Ridge School, 6.0 mi. NW. of, 3.2 mi. SE. of Marysville, at lower end of Black Hollow, near summit of divide between Black Hollow and Lander Creek, on E. side of rd.; iron post stamped "820 Gainv".....	821. 173

452 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

From Woodbine quadrangle at point 1.4 miles northeast of Reed generally southwest along roads into Denton No. 2 quadrangle at point near Era (by M. S. Bright in 1902)

Reed, at SW. corner of post office in store of A. Pulte, on N. side of Gainesville-Rosston rd., 600 ft. W. of junction of rd. S.; iron post stamped "952 Gainsv"-----	Feet 954. 016
Reed, 3.2 mi. S. of, about 4 mi. N. of Era, about 0.5 mi. S. of summit of hill, 800 ft. NW. of crossing of Spring Creek, on W. side of rd. at angle, at corner of three wire fences; iron post stamped "829 Gainsv"-----	830. 424

From Reed along roads southwest by way of Hood to Rosston, thence northwest into Montague No. 4 quadrangle at point 1.5 miles southeast of Hardy (by M. S. Bright in 1903)

Hood, 58 ft. N. of store of J. H. Hewitt, on N. side of rd.; iron post stamped "996 Gainsv"-----	997. 755
Hood, 4.5 mi. SW. of, 3.0 mi. NE. of Rosston, in NW. angle of rd. junction, 680 ft. N. of E.-W. rd., on N. side of small drain; iron post stamped "914 Gainsv"-----	915. 218

[Line jogs into Denton No. 2 quadrangle]

Rosston, 4.0 mi. NW. of, 3.5 mi. SE. of Freemound, 300 ft. N. of bridge over Hunter Branch, 100 ft. E. of Hunter School, on W. side of rd.; iron post stamped "886 Gainsv"-----	887. 472
Freemound, 62 ft. W. of post office in store of D. C. Wilson, on S. side of rd., at corner of wire fence around gin; iron post stamped "884 Gainsv"-----	885. 416

MULLIN QUADRANGLE

[Latitude 31°30'-31°45'; longitude 98°30'-98°45']

BROWN, COMANCHE, AND MILLS COUNTIES

From Richland Springs quadrangle⁴¹ along roads northeast and east to point 2.9 miles southwest of Mullin, thence north and northeast to Mullin, thence southeast 0.6 mile (by A. B. Williams in 1924)

Jackson Bridge over Pecan Bayou, 1.0 mi. SW. of, 150 ft. S. of mail box of J. W. Alldredge, on S. side of rd., 60 ft. W. of private rd. crossing creek, at turn in rd., in root on E. side of mesquite tree; copper nail-----	1, 249. 11
Jackson Bridge, 20 ft. E. of E. approach of, 500 ft. E. of Pecan Bayou, 2.5 ft. S. of bridge fence, in base of sandstone bluff; standard tablet stamped "Prim Trav Sta No 62 T 1924"-----	1, 250. 803
Jackson Bridge, 1.7 mi. NE. of, 4.4 mi. NW. of Williams ranch, in SW. corner of triangle at rd. junction, on stone outcrop; chiseled square-----	1, 386. 22
Williams ranch, 2.7 mi. along Williams ranch-Jackson Bridge rd. NW. of, 3.3 mi. by rd. E. of Jackson Bridge, at summit of hill, 10 ft. S. of center line of rd., 1 ft. outside fence line, in sandstone outcrop; standard tablet stamped "Prim Trav Sta No 63 T 1924"-----	1, 347. 541
Williams ranch, 1.9 mi. NW. of, 2.9 mi. SW. of Mullin, in center of triangle formed by rd. junction, on stone outcrop; chiseled square-----	1, 382. 44
Mullin, 10 ft. SE. of SE. corner of hardware store of Randolph & Allen, 3 ft. SW. of telephone pole, on N.-S. pavement; chiseled square-----	1, 432. 38

⁴¹ In 1940 it was reported that this bench mark had been destroyed.

⁴² This line crosses the southeast corner of Zephyr quadrangle but no marks were established in that portion of the line.

G. C. & S. F. Ry. B. M. stamped "1438.75" (recovered by U. S. C. & G. S. in 1932) ⁴³ -----	Feet 1, 438. 905
Mullin, 0.6 mi. SE. of R. R. sta., 150 ft. W. of rd. to Williams ranch, 150 ft. S. of house of J. A. Tackett, 20 ft. NE. of large live-oak tree, in fence corner, in sandstone outcrop; standard tablet stamped "Prim Trav Sta No 18 S 1924" (recovered in 1925)-----	1, 420. 224
From Zephyr quadrangle at point 5.9 miles southeast of Blanket Springs along roads generally east, thence south 0.3 mile to point 1.7 miles northeast of Jackson Bridge over Pecan Bayou (by G. F. Williams in 1924)	
Blanket Springs, 6.2 mi. SE. of, just below junction of Blanket and Pompey Creeks, at iron bridge over Blanket Creek, on N. end of E. concrete abutment; chiseled square-----	1, 244. 67
Blanket Creek; surface of water Feb. 15, 1924-----	1, 216. 6
Blanket Springs, 6.8 mi. SE. of, 5.2 mi. SW. of Mullin, on S. side of Sleepy Hollow rd., 80 ft. E. of gate to private rd. S., 10 ft. S. of rd. drainage ditch, in pasture, in root between prongs of mesquite tree; copper nail and washer-----	1, 280. 41
Mullin, 4.0 mi. SW. of, 1.7 mi. NE., thence 0.3 mi. N. from Jackson Bridge over Pecan Bayou, 0.3 mi. N. of Williams Ranch rd., 50 ft. S. of junction of N.-S. rd., 30 ft. E. of Mullin rd., 1 ft. inside fence line, on limestone rock in place; chiseled square-----	1, 409. 13
From Mullin north along Comanche-Mullin road 5.1 miles, thence along roads and across country west to Villa, thence southwest into Zephyr quadrangle (by H. P. Kilby in 1924; releveled by S. L. Parker in 1925)	
Mullin, 1.0 mi. N. of, at point of curve in rd., on E. end of concrete culvert; chiseled square-----	1, 475. 46
Mullin, 2.1 mi. N. of, in SE. angle of junction of T-rd. E., 30 ft. SW. of stone culvert, in fence corner, on top of rock ledge; chiseled square-----	1, 498. 16
Mullin, 3.0 mi. N. of, at E. edge of rd., on fence line; top of rock milepost marked "Mullin 3 Miles"-----	1, 545. 24
Mullin, 4.5 mi. N. of, in NE. angle of T-rd. E., 250 ft. SE. of house of J. H. Lampman, near signboard reading "Priddy 15 Miles, Hamilton 35 Miles, Comanche 22 Miles," in fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 17 S 1924 K 1"-----	1, 569. 165
Reference mark, 40 ft. SW. of tablet, in root of twin oak tree; copper nail-----	1, 567. 38
Mullin, 5.1 mi. N., thence 1.0 mi. W. from, 1.4 mi. E. of ranch house of Charles Smith, about 0.2 mi. W. of ranch house, 0.2 mi. N. of fence line, on top of stone wall of water tank; top of rock-----	1, 510. 69
Smith ranch house, 5.8 mi. along Brownwood rd. (Roger Q. Mills State Highway) NW., thence 0.8 mi. E. from Mullin, at NE. corner of house, on top of stone chimney of dugout; chiseled square-----	1, 434. 03
Mullin, 5.8 mi. along Brownwood rd. NW. of, at residence of W. D. Perkins, on top of concrete watering trough; chiseled square-----	1, 481. 60
Mullin, 6.0 mi. NW. of, 1.5 mi. E. of Villa, in SW. angle of junction of rd. E. to Villa, 30 ft. E. of gate on fence line, in rock; standard tablet stamped "K 2 1924"-----	1, 464. 665
Reference mark, 90 ft. NE. of tablet, on rock; chiseled square-----	1, 464. 01
Villa, 0.7 mi. E. of, on S. side of rd., at deserted ranch house, on stone base of chimney; chiseled square-----	1, 482. 00

⁴³The tie between this mark and the bench mark with elevation of 1,432.38 feet was made in 1936.

Villa, at Gulf, Colorado & Santa Fe Ry. sta., 20 ft. S. of track at gate, in rock; standard tablet stamped "Prim Trav Sta No 15 S 1924 K 3" (recovered by U. S. C. & G. S. in 1932; restamped "1466.969" by U. S. C. & G. S. in 1934).....	Feet 1, 466. 969
Reference mark, 80 ft. N. of tablet, at base of 10-in. oak tree, on rock; chiseled square.....	1, 466. 96
Villa, 0.9 mi. around E. end of hill SW. of, 2.5 mi. NE. of Blanket Springs, 20 ft. NE. of fence line, at fence corner, in root of 8-in. mesquite tree; copper nail.....	1, 472. 49

From Mullin along roads south and southeast 4.8 miles into Goldthwaite quadrangle (by E. E. Harris in 1924)

Mullin, 1.5 mi. SE. of, on W. side of rd., on N. end of retaining wall of concrete dip; chiseled square.....	1, 347. 70
Mullin, 2.6 mi. SE. of, 40 ft. N. of gate, on W. side of rd., in root on W. side of 18-in. live-oak tree; copper nail and washer.....	1, 389. 77
Mullin, 3.6 mi. SE. of, on E. side of angle in rd., 100 ft. NE. of abandoned schoolhouse, 10 ft. E. of fence line, in rock outcrop; standard tablet stamped "Prim Trav Sta No 64 T 1924 H 170".....	1, 349. 815
Reference mark, 133.5 ft. S.80°W. of tablet, in root on N. side of 20-in. live-oak tree; copper nail and washer.....	1, 352. 94
Mullin, 4.7 mi. SE. of, on W. side of rd., just N. of turn in rd. to E., in root on N. side of prominent live-oak tree; copper nail and washer.....	1, 328. 02

NEWCASTLE NO. 1 QUADRANGLE

[Latitude 33°15'–33°30'; longitude 98°30'–98°45']

ARCHER AND YOUNG COUNTIES

From Archer City quadrangle southwest along State Highway 79 into Newcastle No. 2 quadrangle (by C. E. Walker in 1928)

Anarene, 1.0 mi. NE. of, at slight bend in rd., in 6-in. mesquite tree; copper nail and washer.....	1, 091. 73
Anarene, 0.3 mi. N. of, near drain, on E. side of rd., in 4-in. mesquite tree; copper nail and washer.....	1, 105. 01
Anarene, about 600 ft. E. of tracks of Wichita Falls & Southern R.R., 75 ft. E. of center line of highway, at bend, at Graham farmhouse, 9 ft. NE. of SW. corner of yard fence, in concrete post; standard tablet stamped "WA 15 Tex 1926".....	1, 132. 331
Reference mark, 75 ft. NW. of center line of highway, 30 ft. SW. of windmill, on SE. corner of concrete watering tank; chiseled square.....	1, 129. 24
Anarene, 1.0 mi. S. of, 23 ft. W. of center of R. R. crossing, 55 ft. E. of center line of highway; top of N. end of corrugated iron culvert.....	1, 134. 63
Anarene, 2.0 mi. S. of, 33 ft. W. of center line of highway, at S. end of curve, 108 ft. W. of W. rail of W. F. & S. Ry., on property of B. C. North, in fence line, in concrete post; standard tablet stamped "WA 16 Tex 1926".....	1, 160. 461
Reference mark, 35 ft. W. of center line of highway, at S. end of curve, 110 ft. W. of W. rail of track, 4 ft. inside fence, in W. side of 6-in. mesquite tree; copper nail and washer.....	1, 160. 25
Anarene, 4.0 mi. S. of, 35 ft. W. of highway bridge, 145 ft. S. of junction of T-rd. to farmhouse on top of hill, 115 ft. W. of W. rail of R. R. track, on property of J. Conner, 3 ft. W. of T-fence corner, in fence line, in concrete post; standard tablet stamped "WA 17 Tex 1926".....	1, 184. 506

Reference mark, at entrance to farm on hill, 132 ft. S. of gate, 38 ft. W. of highway bridge, 115 ft. W. of W. rail, 14 ft. NW. of fence corner, in SE. side of 4-in. mesquite tree; copper nail and washer	Feet 1, 184. 20
Anarene, 5.0 mi. S. of, 5.5 mi. NE. of Olney, at crossing of second-class rd., near SE. corner of property of A. P. Neale, 15 ft. NE. of center of gate, 30 ft. W. of rd., in N. side of 6-in. mesquite tree; copper nail and washer	1, 214. 53
Olney, 4.1 mi. NE. of, about 500 ft. S. of Cottonwood School, 24 ft. NW. of crossroads, 100 ft. N. of R. R. crossing, in fence corner, in concrete post; standard tablet stamped "WA 18 Tex 1926"	1, 219. 519
Olney, 2.6 mi. NE. of, at Hausler City, in line with T-rd. S., in fence line, in concrete post; standard tablet stamped "WA 19 Tex 1926"	1, 211. 009
Olney, 1.5 mi. NE. of, at W. end of jog in rd., 600 ft. W. of service sta. and R. R. track, 60 ft. W. of rd. corner, in mesquite patch near intersecting pipe lines, in E. side of 6-in. mesquite tree; copper nail and washer	1, 195. 33
Olney, about 0.9 mi. N. of, 53 ft. SW. of crossroads, 23 ft. W. of highway, on property of E. W. Hunt, 23 ft. S. of fence corner, in fence line, in concrete post; standard tablet stamped "WA 20 Tex 1926"	1, 190. 605

From Newcastle No. 2 quadrangle at point near Orth east and south along roads into Graham quadrangle (by C. E. Walker in 1928)

Orth, 2.0 mi. E. of, 0.8 mi. N. of True, 36 ft. NW. of crossroads, on property of B. Colley, 2 ft. inside fence corner, in concrete post; standard tablet stamped "WA 24 Tex 1926"	1, 156. 538
True, 1.3 mi. S. of, 22 ft. S. and 20 ft. E. from junction of T-rd. W., on property of Sarah Hardy, in fence line, in concrete post; standard tablet stamped "WA 25 Tex 1926"	1, 188. 056
True, 2.0 mi. S. of, about 4.7 mi. N. of Newcastle, 23 ft. W. of main rd., 125 ft. S. of junction of T-rd. E., on property of B. H. Larimore, in front of house, in W. side of 6-in. mesquite tree; copper nail and washer	1, 204. 33

NEWCASTLE NO. 2 QUADRANGLE

[Latitude 33°15'-33°30'; longitude 98°45'-99°00']

ARCHER, BAYLOR, THROCKMORTON, AND YOUNG COUNTIES

From Newcastle No. 1 quadrangle southwest along State Highway 79 to Olney, thence south along road to Orth, thence east and back into Newcastle No. 1 quadrangle (by C. E. Walker in 1928)

Olney, at intersection of Avenue C and Main Street, at NE. corner of City National Bank, on sidewalk; chiseled square	1, 183. 21
Olney, at SE. entrance of grade school, on E. end of bottom concrete step; chiseled square	1, 183. 15
Olney, 2.0 mi. SW. of, 4.2 mi. N. of Orth, 45 ft. NW. of junction of T-rd. W., about 300 ft. S. of SW. corner of cemetery, in fence corner, in concrete post; standard tablet stamped "WA 21 Tex 1926"	1, 193. 641
Reference mark, about 250 ft. S. of SW. corner of cemetery, on W. side of rd., 75 ft. N. of rd. junction, in W. side of leaning 8-in. mesquite tree; copper nail and washer	1, 194. 52
Orth, 3.5 mi. N. of, 50 ft. SE. of junction of T-rd. W., 25 ft. E. of fence corner, in NW. side of 4-in. mesquite tree; copper nail and washer	1, 197. 07

456 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Orth, 2.0 mi. N. of, about 0.5 mi. N. of Muddy Creek bridge, in line with T-rd. W., in front of house of W. F. Keithley, 10 ft. N. of front gate, in fence line, in concrete post; standard tablet stamped "WA 22 Tex 1926" (recovered by U. S. C. & G. S. in 1933)-----	Feet 1, 193. 862
Orth, 70 ft. E. of Wichita Falls & Southern R. R. sta., 53 ft. E. of E. rail, in fence line, in concrete post; standard tablet stamped "WA 23 Tex 1926" (recovered by U. S. C. & G. S. in 1933)-----	1, 230. 414
Reference mark, 15 ft. E. of NE. corner of store of J. T. Routon, on top of concrete well curb; chiseled square-----	1, 232. 73
From point 0.9 mile north of Olney generally northwest along State Highway 24 to Megargel, thence north into Dundee quadrangle (by C. E. Walker in 1926)	
Olney, 0.9 mi. N., thence 1.5 mi. NW. from, 95 ft. W. of junction of T-rd. S., 30 ft. S. of highway, 4 ft. inside fence, in crotch of 4-in. mesquite tree; copper nail and washer-----	1, 210. 75
Olney, 3.6 mi. NW. of, 20 ft. N. and 200 ft. W. from junction of T-rd. S., at T-fence corner, in fence line, in concrete post; standard tablet stamped "WA 33 Tex 1926" (recovered by U. S. C. & G. S. in 1933)-----	1, 243. 560
Reference mark, 100 ft. W. of junction of T-rd. S., 20 ft. S. of highway, in fence line, in N. side of leaning 5-in. mesquite tree; copper nail and washer-----	1, 242. 67
Olney, 5.9 mi. NW. of, 28 ft. S. and 22 ft. E. from junction of T-rd. N., 5 ft. S. of T-fence corner, in fence line, in concrete post; standard tablet stamped "WA 34 Tex 1926" (recovered by U. S. C. & G. S. in 1933)-----	1, 278. 170
Olney, 8.7 mi. NW. of, 0.8 mi. E. of Swastika, 16 ft. N. and 10 ft. W. from junction of T-rd. S., in fence line, in concrete post; standard tablet stamped "WA 35 Tex 1926"-----	1, 288. 010
Swastika, 2.0 mi. W. of, 2.5 mi. S., thence 2.8 mi. E. from Megargel, 0.5 mi. S. of Grand Trunk & Western Ry. crossing, 80 ft. S. and 20 ft. E. from junction of T-rd. E., in fence line, in concrete post, standard tablet stamped "WA 36 Tex 1926" (recovered by U. S. C. & G. S. in 1933)-----	1, 267. 360
Reference mark, 150 ft. E. of rd. junction, 15 ft. S. of highway, in fence line; top of 2-in. pipe-----	1, 267. 72
Megargel, 2.5 mi. S. of, 82 ft. NE. of junction of T-rd. E., in fence corner, in concrete post; standard tablet stamped "WA 37 Tex 1926"-----	1, 280. 776
Megargel, 1.4 mi. S. of, 1,450 ft. S. of junction of T-rd. W., 30 ft. E. of center line of rd., on property of J. O. Cernosek, 400 ft. SE. of farmhouse of J. Brezina, in crotch of twin 6-in. mesquite tree; copper nail and washer-----	1, 315. 54
Megargel, on E. side of town, about 1,200 ft. E. of high school, 450 ft. N. of R. R. crossing, 45 ft. N. and 15 ft. E. from crossroads, in concrete post; standard tablet stamped "WA 38 Tex 1926" (recovered by U. S. C. & G. S. in 1933)-----	1, 286. 717
Megargel, 1.3 mi. N. of, 250 ft. S. of junction of T-rd. E., on W. side of rd., in fence line, in E. side of 6-in. mesquite tree; copper nail and washer-----	1, 220. 61
Megargel, 2.3 mi. N. of, in line with T-rd. E., at NE. corner of property of W. R. Dupriest, in fence line, in concrete post; standard tablet stamped "WA 39 Tex 1926"-----	1, 218. 605

From Throckmorton No. 1 quadrangle east along road to Megargel (by C. E. Walker in 1926)

Westover, 5.4 mi. S., thence 1.3 mi. E. from, 3.0 mi. W. of Megargel, 80 ft. W. of highway bridge, on N. side of rd., in fence corner, in concrete post; standard tablet stamped "WA 89 Tex 1926"-----	<i>Feet</i> 1, 250. 285
Reference mark, 65 ft. S. of bridge, on W. bank of creek, in N. side of 8-in. mesquite tree; copper nail and washer-----	1, 248. 98

From point near southeast corner of Dundee quadrangle southwest along roads to point 8.7 miles northwest of Olney (by C. E. Walker in 1926)

Megargel, about 2 mi. N. and 9 mi. E. from, 1.0 mi. S. of Gulf pumping sta., 20 ft. N. and 20 ft. W. from junction of T-rd. W., in fence corner, in concrete post; standard tablet stamped "WA 94 Tex 1926"-----	1, 125. 121
Megargel, about 2 mi. N. and 8 mi. E. from, 15 ft. N. of rd., at SW. corner of property of S. D. Crawford, 125 ft. W. of N.-S. fence line, on SE. side of concrete foundation of fence post; chiseled square....	1, 123. 38
Megargel, about 2 mi. N. and 7 mi. E. from, 55 ft. S. and 20 ft. E. from junction of T-rd. S., 40 ft. S. of fence corner, in fence line, in concrete post; standard tablet stamped "WA 95 Tex 1926" "4"-----	1, 144. 945
Megargel, about 2 mi. N. and 6 mi. E. from, 15 ft. N. and 20 ft. E. from right-angle turn to S. in rd., on SE. side of concrete base of W. gatepost; chiseled square-----	1, 187. 25
Megargel, about 1 mi. N. and 6 mi. E. from, 3.6 mi. NE. of Midway, 35 ft. S. and 23 ft. W. from junction of T-rd. W., 15 ft. S. of fence corner, in fence line, in concrete post; standard tablet stamped "WA 96 Tex 1926"-----	1, 161. 044
Midway, 1.5 mi. NE. of, at summit of ridge, at Humble Pumping Sta. Homes, 160 ft. SE. of house No. 528, 100 ft. NE. of cattle guard, in fence line, in concrete post; standard tablet stamped "WA 97 Tex 1926"-----	1, 253. 381

NEWCASTLE NO. 3 QUADRANGLE

[Latitude 33°00'-33°15'; longitude 98°45'-99°00']

THROCKMORTON AND YOUNG COUNTIES

From Breckenridge No. 2 quadrangle at point 4 miles northeast of Eliasville northeast about 0.4 mile into Graham quadrangle (by S. R. Archer in 1924)

Eliasville, 4.2 mi. NE. of, 5.6 mi. SW. of South Bend, on W. side of rd., at right-angle turn to NE., at fence corner, in root on W. side of 8-in. live-oak tree used as corner fence post; copper nail and washer-----	1, 207. 30
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From Graham quadrangle at point 3.9 miles southwest of Belnap along roads west and south into Breckenridge No. 2 quadrangle at point 4 miles northeast of Eliasville (by Basil Tuttle in 1924)

Belnap, 4.1 mi. SW. of, 0.8 mi. W. of Miller School, about 40 ft. W. of junction of rd. E., on top of stone; chiseled square-----	1, 112. 16
Belnap, 5.1 mi. SW. of, about 100 ft. N. of junction of private rd. E., about 100 ft. E. of corrals, in root on N. side of 12-in. oak tree; copper nail and washer-----	1, 144. 18
Belnap, 6.3 mi. SW. of, about 40 ft. SE. of junction of Eliasville, Graham, and Murray rds., 6 ft. S. of fence corner; iron post stamped "T 24 1924"-----	1, 132. 471

"In 1938 this bench mark was reported destroyed.

Belnap, 7.3 mi. SW. of, 6 ft. W. of angle to S. in rd., on top of rock; chiseled square.....	Feet 1, 114. 83
Belnap, 8.4 mi. SW. of, 20 ft. SE. of junction of T-rd. E., on top of rock; chiseled square.....	1, 131. 69
Belnap, 9.7 mi. SW. of, 40 ft. SE. of center of crossroads, 4 ft. S. of fence corner, in concrete post; standard tablet stamped "T 25 1924".....	1, 068. 936
Belnap, 10.3 mi. SW. of, 5.9 mi. NE. of Eliasville, 150 ft. S. of Como School, in root on N. side of mesquite tree; copper nail and washer..	1, 084. 84
Eliasville, 3.8 mi. NE. of, at summit of ridge, on W. side of rd., on top of stone; chiseled square.....	1, 152. 21

NOCONA QUADRANGLE⁴⁵

[Latitude 33°45'-34°00'; longitude 97°30'-97°45']

MONTAGUE COUNTY

From Terral quadrangle southeast along Missouri-Kansas-Texas Railroad into Montague No. 4 quadrangle (by E. W. Glafcke in 1899)

Nocona, 200 ft. N. of sta., at SE. corner of principal street; iron post stamped "980 Gainv" (recovered in 1903).....	980. 760
Nocona, 3.5 mi. E. of, nine rail lengths E. of milepost 739; iron post stamped "904 Gainv" (recovered in 1900 and again in 1903; recovered also by U. S. C. & G. S. in 1934).....	904. 516
Nocona, 5.5 mi. SE. of, 3.5 mi. NW. of Bonita, at rd. crossing, 40 ft. S. of track, six telegraph poles W. of milepost 737; iron post stamped "892 Gainv" (recovered by U. S. C. & G. S. in 1934).....	892. 738
Bonita, 200 ft. N. of sta., 30 ft. N. of main track, at base of telegraph pole; iron post stamped "931 Gainv" ⁴⁶	931. 708

From Leon quadrangle at point about 5 miles northwest of Bulcher along roads generally west and southwest to point on Missouri-Kansas-Texas Railroad 3.5 miles east of Nocona (by E. W. Glafcke in 1900)

Bulcher, 8.0 mi. NW. of, 3.8 mi. N., thence 3.0 mi. NE. from Bonita, 2.0 mi. N. of McCollum, 800 ft. E. of ranch house of A. A. Kennedy, at intersection of Bonita rd., on W. side of rd., in SE. fence corner; iron post stamped "977 Gainv".....	978. 478
Bonita, 3.8 mi. N. of, at intersection of Nocona-Bulcher and Bonita-Illinois Bend rds.; iron post stamped "1008 Gainv".....	1, 009. 331
Bonita, 3.8 mi. N., thence 3.8 mi. W. from, 5.0 mi. E. of Nocona, E. of iron bridge over Farmers Creek, on S. side of rd.; at junction of lane; iron post stamped "907 Gainv".....	907. 886

From Nocona along road south 2.7 miles into Montague No. 4 quadrangle (by E. W. Glafcke in 1900)

Nocona, about 2.5 mi. S. of, on E. side of rd., in sandstone ledge; aluminum tablet stamped "942 Gainv".....	942. 917
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From Nocona along roads northwest 4 miles, thence alternately east and north to Pearson, thence alternately south and east to point on Missouri-Kansas-Texas Railroad 3.5 miles east of Nocona (by M. S. Bright in 1903)

Nocona, 1.0 mi. NW. of, at W. end of lane, on SW. side of 18-in. post-oak tree; copper nail and washer.....	944. 04
Nocona, 4.0 mi. NW. of, 2.5 mi. S., thence 3.5 mi. W. from Pearson, on E. side of rd., 10 ft. S. of lane E.; iron post stamped "880 Gainsv".....	880. 883

⁴⁵ The northern part of this quadrangle lies in Oklahoma.

⁴⁶ In 1916 it was reported that the top of the post was 1.5 feet underground.

Pearson, 2.0 mi. W., thence 0.5 mi. S. from, 4.0 mi. N. of Nocona, on E. side of rd. at junction of rd. to Red River Sta. crossing; iron post stamped "846 Gainsv"-----	Feet 846. 834
Pearson, 80 ft. S. of post office, on W. side of N.-S. rd., 15 ft. S. of rd. W.; iron post stamped "936 Gainsv"-----	936. 943
Pearson, 3.5 mi. S. of, 500 ft. E. of Loving farmhouse, on N. side of rd. E., at head of lane S., in sandstone rock; standard tablet stamped "909 Gainsv"-----	910. 053

From point 5.5 miles along Missouri-Kansas-Texas Railroad southeast of Nocona along roads west 0.7 mile, thence southeast 2.3 miles into Montague No. 4 quadrangle (by M. S. Bright in 1903)

Nocona, 4.3 mi. by rd. E., thence 1.3 mi. SE. from, 1.0 mi. S. of Pigtail-School; 25 ft. W. of rd. fork, in E. side of crooked post-oak tree; nail-----	1, 001. 03
Nocona, 4.3 mi. E., thence 2.5 mi. SE. from, 135 ft. W. of creek, on N. side of rd., in N. side of 22-in. post-oak tree; nail-----	906. 08

PAINT ROCK QUADRANGLE

[Latitude 31°30'-31°45'; longitude 99°45'-100°00']

CONCHO AND RUNNELS COUNTIES

From Ballinger No. 2 quadrangle at point 1.4 miles northwest of Ballinger along Ballinger-Bronte road southeast to Ballinger, thence along roads generally south to crossroads 5.6 miles east of Rowena, thence west into Rowena quadrangle (by C. E. Fulmer in 1921; releveled from Ballinger to point 5.6 miles east of Rowena by C. E. Reick in 1923)

Ballinger, 1.4 mi. NW. of Runnels County courthouse, just inside city limits, on E. side of crossroads, 400 ft. E. of windmill, on N. side of concrete culvert; chiseled square-----	1, 677. 22
Ballinger, at entrance on W. side of courthouse, 1,000 ft. E. of Gulf, Colorado & Santa Fe Ry. sta., 120 ft. E. of center line of Main Street, in lower concrete step; standard tablet stamped "1921 Texas 1627" and "Prim Trav Sta No 19 K 1923" (recovered by U. S. C. & G. S. in 1935)-----	1, 626. 155
Ballinger, 0.7 mi. S. of courthouse, on N. end of wagon bridge over Colorado River, on E. side of rd., 750 ft. E. of R. R. bridge over river, on lower pier of bridge; chiseled square-----	1, 627. 68
Ballinger, 1.5 mi. S. of, 150 ft. E. of intersection of Ballinger, Rowena and Paint Rock-Tennyson rds., on N. side of rd., on culvert; chiseled square-----	1, 631. 33
Ballinger, 2.2 mi. along Ballinger-Paint Rock rd. S. of, 1,800 ft. S. of South Ward School, 800 ft. N. of rd. junction, on W. side of rd., on concrete culvert; chiseled square-----	1, 663. 74
Ballinger, 3.4 mi. S. of, at crossroads, on E. side of rd. to Rowena, in concrete post; standard tablet stamped "1921 Texas 1694"-----	1, 692. 955
Ballinger, 4.5 mi. S. of, near junction of T-rd. E. and junction of T-rd. W. to house, 5 ft. W. of fence corner, on rock; highest point-----	1, 713. 22
Ballinger, 6.5 mi. S. of, 5.6 mi. E. of Rowena, in NW. angle of intersection of Ballinger-Olfin and Bethel-Rowena rds., in concrete post; standard tablet stamped "1921 Texas 1702"-----	1, 701. 416

From Ballinger northeast along Gulf, Colorado & Santa Fe Railway into Ballinger No. 2 quadrangle (by T. A. Green in 1923)

Ballinger, 0.6 mi. NE. of, at iron R. R. bridge 36-A over Elm Creek, on E. side of track; top of seventh girder from S. end of bridge----	1, 629. 71
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Ballinger, 2.6 mi. E. of, 2,000 ft. W. of milepost 34, 40 ft. N. of track, 30 ft. S. of rd., just inside fence line, in flat sandstone outcrop; standard tablet stamped "G 1 1923" (recovered by U. S. C. & G. S. in 1935).....	Feet 1, 684. 009
From point 6.5 miles south of Ballinger along road east to Paint Rock road, thence south to Paint Rock, thence northwest along Paint Rock Branch of Gulf, Colorado & Santa Fe Railway into Rowena quadrangle (by C. E. Reick in 1923)	
Ballinger, 6.5 mi. S., thence 1.0 mi. E. from, 2.0 mi. W. of Bethel School, 400 ft. W. of abandoned house, on N. side of rd., in root of 15-in. mesquite tree; copper nail.....	1, 699. 37
Bethel School, 1.0 mi. W. of, in SE. angle of intersection of Paint Rock rd., in root of 10-in. mesquite tree; copper nail.....	1, 699. 13
Bethel School, 1.0 mi. W., thence 1.0 mi. S. from, 9.1 mi. N. of Concho County courthouse at Paint Rock, in NW. angle of crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 21 K 1923 Texas R 20".....	1, 695. 050
Reference mark, 300 ft. N. of crossroads, on W. side of rd., in root of 12-in. mesquite tree; copper nail.....	1, 695. 10
Paint Rock, 8.1 mi. N. of, in SW. angle of junction of T-rd. W., 10 ft. W. of fence corner, on rock; chiseled square.....	1, 730. 00
Paint Rock, 7.6 mi. N. of, on W. side of rd., 80 ft. E. of residence of J. H. Stallo, in root of 20-in. mesquite tree; copper nail.....	1, 723. 74
Paint Rock, 6.4 mi. N. of, on W. side of rd., at summit of hill, in root of 10-in. mesquite tree; copper nail.....	1, 709. 53
Paint Rock, 5.3 mi. N. of, 0.5 mi. N. of Concho-Runnels county line, on E. side of rd., 40 ft. S. of gate, in concrete post; standard tablet stamped "R 21 Texas 1923".....	1, 655. 051
Reference mark, on E. side of rd., 60 ft. N. of gate, on rock; chiseled square.....	1, 653. 35
Paint Rock, 4.1 mi. N. of, 0.7 mi. S. of Concho-Runnels county line, on E. side of rd., 60 ft. NE. of fence corner, in root of 15-in. mesquite tree; copper nail.....	1, 649. 71
Paint Rock, 2.6 mi. N. of, on E. side of rd., 300 ft. N. of lane E., in rock in place; standard tablet stamped "R 22 Texas 1923".....	1, 669. 267
Paint Rock, 2.4 mi. N. of, on W. side of rd., 1,000 ft. S. of junction of lane E., in root of 10-in. mesquite tree; copper nail.....	1, 656. 70
Paint Rock, 1.6 mi. N. of, on E. side of rd., at summit of hill, in root of 8-in. mesquite tree; copper nail.....	1, 670. 24
Paint Rock, 0.6 mi. N. of, at bridge over Concho River, on E. end of S. abutment; chiseled square.....	1, 619. 49
Concho River, under bridge; surface of water Nov. 12, 1923.....	1, 586. 7
Paint Rock, at Concho County courthouse, in front wall, on S. side of main entrance, 16 in. above sidewalk; standard tablet stamped "R 23 Texas 1923" and "Prim Trav Sta No 9 C 1924" (recovered by U. S. C. & G. S. in 1939).....	1, 630. 843
Reference mark, 80 ft. SW. of main entrance to courthouse, on SE. corner of concrete watering trough; chiseled square.....	1, 630. 53
Paint Rock, in front of G. C. & S. F. Ry. sta.; top of rail.....	1, 642. 4
Paint Rock, 1.7 mi. NW. of, 0.9 mi. E. of Sims Valley, at R. R. bridge over Concho River, on N. end of E. abutment; chiseled square.....	1, 630. 79
Sims Valley, at sta., 50 ft. NW. of rd. crossing, 20 ft. W. of rd., in con- crete post; standard tablet (recovered by U. S. C. & G. S. in 1939) ..	1, 644. 452
Reference mark, in NE. angle of rd. crossing, in root of 12-in. mes- quite tree; copper nail.....	1, 643. 23

Sims Valley, 2.4 mi. W. of, 100 ft. SW. of rd. crossing, in base of 12-in. mesquite tree; copper nail.....	Feet 1, 663. 42
Sims Valley, 3.8 mi. W. of, 0.8 mi. W. of wooden trestle, on N. side of track, in boulder; standard tablet stamped "R 25 Texas 1923" (recovered by U. S. C. & G. S. in 1939).....	1, 682. 798
Reference mark, on S. side of track, on E. end of stone culvert; chiseled square.....	1, 690. 40
From point 1 mile south and 1 mile west from Bethel School along roads east to Pony, thence southeast 4.8 miles (by C. E. Reick in 1923)	
Bethel School, 1.0 mi. S. of, on N. side of rd., 60 ft. E. of lane S., 5 ft. N. of mail box 74, on stone monument; chiseled cross.....	1, 716. 40
Bethel, 1.0 mi. S., thence 0.9 mi. E. from, on N. side of rd., 10 ft. S. of fence corner, in E. side of 12-in. mesquite tree; copper nail.....	1, 690. 62
Bethel, 2.0 mi. in air line SE. of, 1.0 mi. SW. of Pony, on N. side of rd., 500 ft. E. of mail box of J. J. Fox, 800 ft. W. of gate, in concrete post; standard tablet stamped "R 28 Texas 1923".....	1, 680. 147
Reference mark, on N. side of rd., 300 ft. W. of gate, in root of 8-in. mesquite tree; copper nail.....	1, 676. 79
Pony, 100 ft. N. of gin house, at NE. corner of base of water tank, on top of concrete support; chiseled square.....	1, 651. 19
Pony, 0.8 mi. SE. of, in NE. angle of junction of rd. to Nichol ranch, in concrete post; aluminum tablet stamped "R 29 Texas 1923"....	1, 643. 376
Reference mark, 100 ft. NW. of pasture gate, in root of 10-in. mesquite tree; copper nail.....	1, 642. 03
Pony, 1.7 mi. SE. of, at junction of rd. SE. through pasture, 5 ft. W. of gate; top of 1-in. iron rod.....	1, 613. 58
Pony, 3.1 mi. SE. of, on E. side of rd., 10 ft. S. of gate, in concrete post; standard tablet stamped "R 30 Texas 1923".....	1, 596. 563
Pony, 4.1 mi. SE. of, on W. side of rd., 400 ft. N. of stream crossing, in root of 14-in. mesquite tree; copper nail.....	1, 598. 06
Pony, 4.8 mi. SE. of, 4.8 mi. NW. of Concho, in NE. angle of rd. junction, at turn in main rd. from E. to S. and junction of rd. E., in root of 12-in. mesquite tree; copper nail.....	1, 610. 53
From point 0.8 mile southeast of Pony along roads generally east into Voss quadrangle (by C. E. Reick in 1923)	
Pony, 1.8 mi. SE. of, on rd. to ranch house of A. Nichol, 100 ft. E. of rd. junction, in notch on N. side of 10-in. mesquite tree; copper nail...	1, 589. 85
Pony, 3.3 mi. SE. of, 2.0 mi. W. of McWilliams ranch house, on S. side of rd., at turn E., in base of triple mesquite tree; copper nail.....	1, 574. 34
Pony, 5.0 mi. E. of, on E. side of rd. through McWilliams ranch, 500 ft. S. of pond, in concrete post; standard tablet stamped "R 31 Texas 1923".....	1, 659. 190
Reference mark, on W. side of rd., in base of 8-in. mesquite tree; copper nail.....	1, 659. 75
Pony, 6.1 mi. E. of, 3.0 mi. W. of Russel oil wells, on W. side of stream, 50 ft. S. of McWilliams pasture fence, in root of 10-in. mesquite tree; copper nail.....	1, 612. 61
Russel oil wells, 1.9 mi. W. of, 800 ft. E. of gate in McWilliams pasture fence, on boulder; chiseled square.....	1, 681. 43
From Eden No. 2 quadrangle at point 4.5 miles southwest of Concho along roads northeast to Concho, thence northwest and north to point 4.8 miles southeast of Pony (by H. P. Jones in 1923)	
Concho, 4.0 mi. SW. of, on E. side of rd., in root on W. side of 10-in. mesquite tree; copper nail and washer.....	1, 638. 34

Concho, 3.0 mi. SW. of, on E. side of rd., magnetic bearing to belfry on Concho School S.31°W., in concrete post; standard tablet stamped "HPJ 2 1923"-----	Feet 1, 617. 438
Reference mark, on E. side of rd., in root on S. side of lone mesquite tree; copper nail and washer-----	1, 617. 17
Concho, 2.0 mi. SW. of, 700 ft. W. of gate, 90 ft. N. of fence, in root on S. side of 6-in. mesquite tree; copper nail and washer-----	1, 592. 58
Concho River, at Concho crossing; surface of water Dec. 7, 1923.---	1, 537. 9
Concho, at crossing of Concho River, 0.4 mi. W. of schoolhouse, on N. side of rd., in root on SE. side of double elm tree; copper nail and washer-----	1, 539. 70
Concho, 110 ft. SE. of SE. corner of schoolhouse, at SE. corner of schoolyard, inside fence, in concrete post; standard tablet stamped "HPJ 3 1923"-----	1, 607. 040
Reference mark, on SW. corner of schoolhouse porch; chiseled square.	1, 610. 97
Concho, 0.9 mi. NW. of, 40 ft. N. and 20 ft. W. from rd. junction, in root on S. side of 6-in. mesquite tree; copper nail and washer---	1, 614. 92
Concho, 1.5 mi. NW. of, 120 ft. N. and 50 ft. E. from rd. junction, in root on S. side of 5-in. mesquite tree; copper nail and washer---	1, 614. 20
Concho, 2.6 mi. NW. of, 6.8 mi. SE. of Pony, on W. side of Ballinger-Concho rd., in concrete post; standard tablet stamped "HPJ 4 1923"-----	1, 666. 912
Reference mark, on E. side of rd., in root on W. side of 8-in. mesquite tree; copper nail and washer-----	1, 666. 17
From Concho along road southeast and east into Voss quadrangle at point 0.4 mile west of Winkler Ford (by H. P. Jones in 1923-24; leveled twice from point 2 miles southeast of Concho)	
Concho, 1.0 mi. SE. of, on W. side of rd., 30 ft. W. of wooden gate, in root on S. side of 8-in. mesquite tree; copper nail and washer---	1, 582. 10
Concho, 1.9 mi. E. of, on W. side of rd., in root on E. side of 6-in. mesquite tree; copper nail and washer-----	1, 605. 54
Concho, 2.9 mi. E. of, on SE. side of rd., 65 ft. from fence corner, in concrete post; standard tablet stamped "HPJ 5 1923"-----	1, 610. 701
Reference mark, on NW. side of rd., in root on E. side of 10-in. mesquite tree; copper nail and washer-----	1, 608. 81
Concho, 3.5 mi. SE. of, 1.0 mi. W. of Winkler Ford across Concho River, on N. side of rd., 30 ft. N. and 130 ft. W. from junction of T-lane N. to school, in root on S. side of 7-in. mesquite tree; copper nail and washer-----	1, 609. 54

PALO PINTO NO. 3 QUADRANGLE

[Latitude 32°30'-32°45'; longitude 98°15'-98°30']

EASTLAND, ERATH, AND PALO PINTO COUNTIES

Along roads southwest of Palo Pinto (by E. O. Brooks in 1923-24)

[A jog from Pickwick quadrangle]

Palo Pinto, 3.7 mi. SW. of, 0.9 mi. SW. of grounds of Lovers Retreat Club, on S. side of Eagle Creek, on W. side of highway right-of-way, near center of old right-of-way, 60 ft. W. of W. fence line, in line with old rock fence, in large flat rock; standard tablet stamped "EB 9 1923"-----	1, 061. 591
Reference mark, 5 ft. S. and 3 ft. E. from tablet, on large flat rock, chiseled square-----	1, 061. 16

Palo Pinto, 4.7 mi. SW. of, about 1,500 ft. W. of concrete bridge over Eagle Creek, on S. side of rd., 6 ft. S. of right-of-way fence, on large flat rock; chiseled square.....	<i>Feet</i> 1, 087. 70
Palo Pinto, 5.7 mi. SW. of, 300 ft. S. and 100 ft. E. from ranch house of Roy Hitson, on W. side of rd., 10 ft. E. of right-of-way fence line, on large rock; chiseled square.....	1, 142. 03
From Pickwick quadrangle at point on west side of Antelope Mountain along roads southwest and northwest into Ivan quadrangle ⁴⁷ at point near Brad (by E. O. Brooks in 1924)	
Brad, 1.8 mi. SE. of, 8.8 mi. SW. of Ioni Crossing of Brazos River, 0.4 mi. W. of bridge over Ioni Creek, 100 ft. W. of small creek, on N. side of State highway, in right-of-way fence line; iron post stamped "EB 3 1924".....	1, 053. 252
Reference mark, 5 ft. N. and 15 ft. W. from post, in root on S. side of 24-in. elm tree; copper nail and washer.....	1, 052. 63
Brad, 0.8 mi. SE. of, on W. side of highway, on right-of-way line, on large boulder; chiseled square.....	1, 152. 03
From Santo quadrangle at point 0.8 mile west of New Hope School along roads west, south, and southeast by way of Lone Camp and back into Santo quadrangle at point 3.4 miles northwest of Santo (by W. A. Shumate in 1924)	
Village Bend School, 4.4 mi. SW. of, 2.3 mi. NE. of Lone Camp, on W. side of rd., 70 ft. S. of junction of T-rd. E., 150 ft. N. of junction of T-rd. W., on rock outcrop; chiseled square.....	851. 34
Lone Camp, 1.5 mi. N. of, in NE. angle of junction of N.-S. rd., 1 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "S 10 1924".....	849. 131
Reference mark, 78 ft. N. and 132 ft. E. from rd. junction, in root on W. side of 12-in. oak tree; copper nail and washer.....	845. 53
Lone Camp, 0.6 mi. N. of, 60 ft. NE. of old wooden bridge, on E. side of rd., 600 ft. N. of junction of T-rd. E., 70 ft. W. of old house, in root on S. side of 15-in. oak tree; copper nail and washer.....	878. 07
Lone Camp, 50 ft. S. and 40 ft. W. from junction of T-rd. W. at, in root on W. side of 15-in. oak tree; copper nail and washer.....	927. 63
Lone Camp, 0.9 mi. S. of, 900 ft. S. of bend to W. in rd., on W. side of rd., 2 ft. W. of fence, in root of 18-in. elm tree; copper nail and washer.....	986. 64
Lone Camp, 1.2 mi. SE. of, 54 ft. N. of NE. corner of Ward Mountain School, 115 ft. W. of N.-S. rd., in rock outcrop; standard tablet stamped "S 1 1924".....	994. 126
Reference mark, 160 ft. NE. of NE. corner of schoolhouse, 180 ft. S. of crossroads, in root on W. side of 18-in. oak tree; copper nail and washer.....	996. 63
Lone Camp, 2.0 mi. SE. of, on NE. masonry abutment of bridge; chiseled square.....	872. 89
Lone Camp, 3.0 mi. SE. of, 480 ft. S. of point in rd. opposite prominent bend to W. in Palo Pinto Creek, on E. side of rd., 30 ft. E. of E. bank of creek, on rock outcrop; chiseled square.....	822. 57

⁴⁷ This line cuts the northeast corner of Breckenridge No. 4 quadrangle but no marks were set in that portion of the line.

PICKWICK QUADRANGLE

[Latitude 32°45'-33°00'; longitude 98°15'-08°30']

PALO PINTO AND YOUNG COUNTIES

From Mineral Wells quadrangle at point 2.8 miles south and 0.2 mile west from Grafrod west and southwest along roads to Flint Bend of Brazos River, thence northwest into Ivan quadrangle at point 3.8 miles west of Pickwick (by S. R. Archer in 1923)

	<i>Feet</i>
Grafrod, 2.8 mi. S., thence 0.7 mi. W. from, at SE. corner of Grassy Ridge School, at main entrance, on SW. corner of concrete pavement of vestibule; chiseled square.....	990. 63
Grafrod, 2.8 mi. S., thence 1.5 mi. W. from, 40 ft. S. and 25 ft. W. from crossroads, 25 ft. S. and 12 ft. W. from fence corner, in root on W. side of mesquite bush; copper nail and washer.....	967. 65
Grafrod, 2.8 mi. S., thence 2.9 mi. W. from, 2.6 mi. N. of bridge over Brazos River, 40 ft. S. and 39 ft. W. from junction of N.-S. rd., at fence line, in concrete post; standard tablet stamped "A 2 1924".....	936. 269
Reference mark, 20 ft. S. and 60 ft. E. from rd. junction, 5 ft. S. and 40 ft. E. from fence corner, in root on SW. side of forked mesquite tree; copper nail and washer.....	936. 13
Dalton, 0.6 mi. S., thence 1.7 mi. E. from, 1.8 mi. N. of bridge over Brazos River, 200 ft. S. of W. end of jog W. in rd., 150 ft. S. of junction of pasture rd. W. to Dalton, on E. side of rd., inside fence, in root on W. side of 6-in. mesquite tree; copper nail and washer..	960. 37
Dalton, 0.6 mi. S., thence 1.0 mi. E. from, 85 ft. S. of crossroads at Miller-Dalton gas well, 60 ft. N. and 275 ft. E. from well, on W. side of rd. SE., 190 ft. S. and 50 ft. W. from fence corner, in root on W. side of 8-in. mesquite tree; copper nail and washer.....	963. 32
Dalton, 0.6 mi. S. of, 90 ft. S. and 50 ft. E. from ford across Dark Valley Creek, 200 ft. below dam, 40 ft. S. of S. bank of creek, 80 ft. SE. of junction of rd. S.; iron post stamped "A 3 1924".....	907. 765
Reference mark, 5 ft. S. and 27 ft. E. from iron post, 100 ft. S. and 90 ft. E. from ford, 225 ft. below dam, 60 ft. S. of S. bank, 10 ft. SW. of two 12-in. oak trees standing together, in root on NW. side of 14-in. oak tree; copper nail and washer.....	908. 78
Dalton, 0.6 mi. S., thence 1.0 mi. SW. from, on NW. side of pasture rd. to Johnson ranch, at angle, 1.0 mi. NE. of gate in N.-S. fence line, 90 ft. S. of drain crossing, in root on E. side of 6-in. cedar tree; copper nail and washer.....	956. 41
Dalton, 0.6 mi. S., thence 2.0 mi. SW. from, 1.5 mi. NE. of Johnson ranch house, at crossing of N.-S. fence line, 725 ft. NE. of dwelling on S. side of rd., 50 ft. N. and 25 ft. E. from gate, 100 ft. N. and 25 ft. E. from fence corner, on large rock; chiseled square.....	989. 55
Johnson ranch house, 0.7 mi. NE. of, 0.2 mi. E. of stream crossing, on N. side of rd., 40 ft. E. of bank of small drain, in root 4 in. underground on W. side of 4-in. mesquite tree; copper nail and washer..	947. 35
Johnson ranch house, 70 ft. N. of NE. corner of, inside yard fence, 5 ft. E. of gate in fence along N. side of yard, in concrete post; standard tablet stamped "A 4 1924".....	938. 626
Reference mark, 20 ft. S. and 4 ft. E. from tablet, 55 ft. N. and 8 ft. E. from NE. corner of ranch house, 20 ft. S. and 10 ft. E. from gate, in root on N. side of triple-forked cedar tree; copper nail and washer.....	939. 04

	<i>Feet</i>
Johnson ranch house, 1.0 mi. W. of, at ford of creek from N., on W. side of creek, 700 ft. N. of Shut-in Crossing of Brazos River, 85 ft. N. and 40 ft. W. from rd. fork, 20 ft. N. of gate in N.-S. fence line, on E. side of fence, in root 4 in. underground on E. side of forked 24-in. oak tree; copper nail and washer.....	898. 44
Johnson ranch house, 2.1 mi. W. of, 6.3 mi. SE. of Pickwick, 0.8 mi. NE. of point where rd. angles to N. around bluff at mouth of Loving Creek, 0.3 mi. E. of gate in N.-S. fence line crossing rd., on N. bank of Brazos River, 100 ft. below overhanging rock shelf at top of bluff, on S. side of rd., in root on S. side of 24-in. cedar tree; copper nail and washer.....	914. 51
Pickwick, 5.1 mi. SE. of, 0.8 mi. SE. of ranch house of George Weldon, on N. bank of Loving Creek, at ford, on E. side of rd., in root on NE. side of 24-in. pecan tree; copper nail and washer.....	882. 84
Pickwick, 4.3 mi. SE. of, 20 ft. N. and 23 ft. E. from ranch house of George Weldon, in NE. corner of yard fence; iron post stamped "A 5 1924 948".....	948. 150
Reference mark, 5 ft. N. and 75 ft. E. from iron post, 30 ft. N. and 100 ft. E. from NE. corner of ranch house, in root 8 in. underground on SW. side of 12-in. oak tree; copper nail and washer....	941. 74
Pickwick, 3.4 mi. SE. of, 100 ft. NW. of summit of hill and junction of rd. NE., on S. side of rd., in root on NE. side of 8-in. mesquite tree; copper nail and washer.....	1, 101. 80
Pickwick, 2.2 mi. SE. of, on rd. around W. side of McAdams Peak, in S. angle of junction of private rd. SW. to ranch house of John Weldon, in root of mesquite tree; copper nail and washer.....	1, 094. 29
Pickwick, 1.1 mi. SE. of, about 0.3 mi. E. of McAdams Cemetery, on S. side of main rd., on W. side of private rd. SW., in fence corner, in concrete post; standard tablet stamped "A 6 1924".....	1, 040. 882
Reference mark, 160 ft. S. and 75 ft. E. from tablet, 180 ft. S. of main rd., 55 ft. E. of rd. SW., at lower side of earth tank, on top at NW. corner of concrete watering trough; chiseled square.....	1, 033. 98
Pickwick, 0.3 mi. SE. of, on S. side of rd., at junction of private rd. SW., 20 ft. N. and 15 ft. E. from NE. corner of house, 10 ft. W. of gate, in root on E. side of four-forked mesquite tree; copper nail and washer.....	994. 50
Pickwick, 130 ft. SE. of post office and store, 210 ft. S. of right-angle turn to S. in rd., on E. side of rd., 35 ft. N. of center line of rd. W., in root 5 in. underground on SW. side of mesquite tree with forks 12 in. in diameter; copper nail and washer.....	988. 85
Pickwick, 0.5 mi. SW. of, on S. bank at ford of Brazos River, on E. side of rd., in line with center line of rd. descending bank to river bed, in crotch of forked mesquite tree; copper nail and washer....	941. 56
Pickwick, about 1.5 mi. W. of, about 0.2 mi. SW. of old ferry crossing of Brazos River, 1.0 mi. NW. of wagon ford of river, on N. side of end of spur ridge from NW., 400 ft. E. of rd. fork, on N. side of rd., at original Costello homestead now occupied by Wayne McFadden, 27 ft. S. and 15 ft. E. from SE. corner of residence, at SE. corner of yard, in fence corner; iron post stamped "A 7 1924" ⁴⁸	985. 080
Reference mark, 25 ft. N. and 95 ft. W. from iron post, 50 ft. W. of SW. corner of residence, 25 ft. N. and 35 ft. W. from SW. corner of yard fence, in root on W. side of 12-in. mesquite tree; copper nail and washer.....	984. 39

⁴⁸ In 1939 it was reported that this bench mark would be submerged by Possum Kingdom Dam.

	<i>Feet</i>
Pickwick, 2.2 mi. W. of, in gap SE. of high point of ridge, 30 ft. NW. of rd., in crotch of forked mesquite tree; copper nail and washer...	1, 026. 94
Pickwick, 2.9 mi. W. of, 250 ft. E. of ford across Elm Creek, 58 ft. W. of junction of rd. N., in root on NW. side of 4-in. mesquite tree; copper nail and washer.....	965. 59
Pickwick, 3.6 mi. W. of, 1.2 mi. E. of ranch house of W. D. Nicklas, in gap of spur ridge, on W. side of fence line crossing rd., 35 ft. SE. of gate, on rock outcrop; chiseled square.....	1, 042. 77
From Mineral Wells quadrangle at point about 3.2 miles east of Palo Pinto along roads east to Palo Pinto, thence generally northwest to Fortune Bend School, thence northeast to road junction at Johnson ranch, northeast of Garland Bend of Brazos River (by C. E. Walker in 1923-24)	
Palo Pinto, 2.2 mi. E. of, on top of mountain, at E. end of gate to private rd. N., on top of SW. side of concrete base of gatepost; chiseled square.....	1, 169. 33
Palo Pinto, 1.0 mi. E. of, 45 ft. N. of Bankhead highway, 350 ft. E. of triangulation sta., 140 ft. W. of small bridge over drain, 17 ft. N. of fence line, in field, in root on SW. side of blazed 8-in. mesquite tree; copper nail and washer.....	1, 147. 92
Palo Pinto, 83 ft. E. of S. doorway of Palo Pinto County courthouse, at SE. corner of courthouse yard, 50 ft. N. of SE. corner of iron fence, 120 ft. N. of highway, in concrete post; standard tablet stamped "WA 4 Tex 1923" (recovered by U. S. C. & G. S. in 1934). Reference mark, in SE. corner of courthouse yard, on top of SW. corner of well curb; chiseled square.....	1, 043. 252 1, 043. 57
Palo Pinto, 1.0 mi. NW. of, at junction of private rd. through McDonald pasture, on top of W. end of concrete culvert; chiseled square.....	1, 076. 09
Palo Pinto, 2.1 mi. NW. of, 10 ft. E. of center line of pasture rd. through McDonald property, about 400 ft. NE. of old house, in root on SW. side of blazed 5-in. mesquite tree; copper nail and washer.....	1, 088. 42
Palo Pinto, 3.1 mi. NW. of, 0.3 mi. SE. of point where Sinclair Gulf pipe line and telegraph line cross rd., near small drain, 30 ft. SW. of rd., on property of Mrs. Taylor; iron post stamped "WA 5 Tex 1923".....	1, 034. 262
Reference mark, 48 ft. NW. of center line of rd., near drain, in root on E. side of blazed 6-in. mesquite tree leaning W.; copper nail and washer.....	1, 034. 90
Palo Pinto, 4.0 mi. NW. of, 30 ft. N. of center line of rd. through pasture of Harry Wade, in root on E. side of blazed 8-in. mesquite tree; copper nail and washer.....	1, 064. 93
Palo Pinto, 4.9 mi. NW. of, 0.7 mi. E. of point where pasture rd. crosses Eagle Creek, on N. end of Wolf Mountain, directly E. of triangulation sta., on SE. side of rd., in root on E. side of 5-in. mesquite tree; copper nail and washer.....	995. 89
Palo Pinto, 6.0 mi. NW. of, near Eagle Creek, 0.5 mi. SW. of Chick Bend in Brazos River, 100 ft. NW. of rd. fork, at foot of hill, in rock outcrop; standard tablet stamped "WA 6 Tex 1924".....	876. 970
Reference mark, about 0.2 mi. NE. of crossing of Eagle Creek, in center of rd. fork, in root on SE. side of 12-in. elm tree; copper nail and washer.....	873. 78

Palo Pinto, 7.0 mi. NW. of, 2.9 mi. SE. of Fortune Bend School, 1.4 mi. W. of crossing of Eagle Creek, 50 ft. E. of pasture gate to property of Mark Lane, 30 ft. N. of center line of rd., in root of forked mesquite tree; copper nail and washer-----	Feet. 1, 006. 59
Fortune Bend School, 1.4 mi. SE. of, on N. bank of Brazos River at Crawford Crossing, 15 ft. SE. of center line of rd., in root on N. side of 18-in. elm tree; copper nail and washer-----	874. 33
Fortune Bend School, 138 ft. SW. of, 12 ft. W. of center line of rd., in rock outcrop; standard tablet stamped "WA 7 Tex 1924"-----	958. 373
Reference mark, 180 ft. N. of schoolhouse, on E. side of rd., on rock outcrop; chiseled square-----	960. 83
Fortune Bend School, 1.4 mi. NE. of, near Brazos River, on SE. side of rd., in root on W. side of 6-in. elm tree; copper nail and washer-----	902. 29
Fortune Bend School, 2.4 mi. NE. of, 1.0 mi. SW. of Johnson ranch house, E. of Brazos River at Garland Bend, on E. side of rd., on triangular rock outcrop; chiseled square-----	899. 78

From Mineral Wells quadrangle at point about 2 miles southwest of Adams Crossing of Brazos River along roads alternately southwest and southeast to road junction 2.2 miles east of Palo Pinto (by E. O. Brooks in 1923)

Adams Crossing of Brazos River, 3.0 mi. SW. of, 2.2 mi. E., thence 4.7 mi. NE. from Palo Pinto, 2.4 mi. SW. of ranch house of John Metcalf, at brow of hill, 15 ft. W. of rd., on large stone; chiseled square-----	1, 067. 06
Palo Pinto, 2.2 mi. E., thence 3.4 mi. NE. from, 1.0 mi. S. of old Carson Lewis ranch house, 6 ft. E. of gate, 2 ft. N. of fence line, on large stone; chiseled square-----	1, 057. 37
Palo Pinto, 2.2 mi. E., thence 2.6 mi. NE. from, about 0.2 mi. SE. of ranch house of Couch Anderson, 100 ft. S. of corner of N.-S. fence and fence line W., 4 ft. N. of gate, in concrete post; standard tablet stamped "EB 8 1923"-----	1, 112. 254
Reference mark, 3 ft. S. of tablet, at N. end of gate, on top of W. side of concrete base of gatepost; chiseled square-----	1, 111. 75
Palo Pinto, 2.2 mi. E., thence 1.4 mi. N. from, 12 ft. S. of E. end of gate, on large flat rock; chiseled square-----	1, 123. 17
Palo Pinto, 2.2 mi. E., thence 0.3 mi. N. from, 25 ft. N. and 25 ft. E. from gate, on large rock; chiseled square-----	1, 145. 74

From Palo Pinto alternately southwest and northwest along roads near Eagle, Harris, and Ioni Creeks into Palo Pinto No. 3 quadrangle at point on west side of Antelope Mountain (by E. O. Brooks in 1923-24)

Palo Pinto, 1.0 mi. W. of, near summit of hill, on N. side of State highway (present U. S. Highway 80 A), at curve, in fence line, in root on SE. side of 12-in. oak tree; copper nail and washer-----	1, 094. 93
Palo Pinto, 2.0 mi. SW. of, 850 ft. SW. of gate to private rd. NW., on E. side of Eagle Creek, on NW. side of highway, in center of top of concrete head wall of culvert; chiseled square-----	1, 034. 68
Palo Pinto, 3.1 mi. SW. of, 0.3 mi. SW. of grounds of Lovers Retreat Club, at SW. corner of large concrete bridge over creek, on top of concrete wing wall; chiseled square-----	1, 031. 18

[Line jogs into Palo Pinto No. 3 quadrangle]

Palo Pinto, 7.5 mi. SW. of, 4.7 mi. SE. of Ioni Crossing of Brazos River, near saddle at Big Pass between Wolf and Antelope Mountains, 3 ft. E. of rd., in large flat rock; standard tablet stamped "EB 10 1923"-----	1, 145. 945
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468 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Reference mark, 50 ft. W. of tablet, 1 ft. above ground, in fork of 6-in. mesquite tree; copper nail and washer.....	1, 149. 54
Ioni Crossing of Brazos River, 3.7 mi. SE. of, 1.0 mi. NW. of Big Pass, 2 ft. W. of rd., on large flat rock; chiseled square.....	1, 056. 09
Ioni Crossing, 2.6 mi. SE. of, 20 ft. W. of rd., on large boulder; chiseled square.....	961. 48
Ioni Crossing, 1.5 mi. SW. of, about 0.7 mi. SE. of ranch house of Cam Williams, 0.5 mi. E. of point where rd. crosses Ioni Creek, 4 ft. N. of rd., in large rock; standard tablet stamped "EB 1 1924".....	934. 178
Reference mark, 15 ft. S. and 10 ft. W. from tablet, on large rock; chiseled square.....	934. 36
Ioni Crossing, 2.5 mi. SW. of, 0.5 mi. SW. of ranch house of Cam Williams, 10 ft. N. and 20 ft. W. from gate, in root on S. side of 6-in. mesquite tree; copper nail and washer.....	947. 72
Ioni Crossing, 3.8 mi. SW. of, on small ridge, 500 ft. SE. of ranch house of F. M. Watson, 5 ft. E. of rd., on stone; chiseled square.....	977. 13
Ioni Crossing, 5.4 mi. SW. of, 110 ft. N. of bank of Ioni Creek, on bank of small drain, 10 ft. S. of rd., in rock outcrop; standard tablet stamped "EB 2 1924".....	980. 148
Reference mark, 8 ft. N. and 10 ft. E. from tablet, on rock outcrop; chiseled square.....	980. 13

Along roads southwest, west, and northwest near Henry Chapel School (by Basil Tuttle in 1923-24)

[A jog from Jacksboro No. 3 quadrangle]

Henry Chapel School, at SE. corner of, 8 ft. N. of rd.; iron post stamped "T 10 1924" (probably removed).....	1, 061. 817
Henry Chapel School, 0.5 mi. W. of, 0.8 mi. N. of Wild Bend Crossing of Brazos River, about 20 ft. N. of entrance to Dixie Store, in crotch of two 8-in. mesquite trees; copper nail and washer.....	1, 058. 78
From road junction 3.4 miles southeast of Pickwick along roads northeast 4 5 miles, thence generally northwest to Henry Chapel School (by I. F. Hazelwood in 1923)	
Pickwick, 3.1 mi. by direct rd. E. of, 50 ft. SW. of junction of Pickwick rd., in 2- by 4-ft. sandstone rock; standard tablet stamped "H 4 1923".....	1, 111. 195
Reference mark, 80 ft. SW. of rd. junction, in fork of 24-in. mesquite tree; copper nail and washer.....	1, 112. 48
Pickwick, 3.9 mi. NE. of, about 60 ft. NE. of center of angle in rd., in fork of mesquite tree; copper nail and washer.....	1, 108. 83
Pickwick, 5.0 mi. NE. of, 8.5 mi. SE. of Henry Chapel School, 25 ft. S. of junction of Graford-Graham and Graford-Pickwick rds., inside fence line, in concrete post; standard tablet stamped "H 5 1923".....	1, 104. 197
Reference mark, 60 ft. SE. of rd. junction, in fork of two 8-in. mesquite trees; copper nail and washer.....	1, 102. 95
Henry Chapel School, 7.2 mi. SE. of, 130 ft. S. of Johnson residence, in root of 6-in. mesquite tree; copper nail and washer.....	1, 056. 68
Henry Chapel School, 6.9 mi. SE. of, 60 ft. SE. of center of junction of T-rd. SW., in root of 4-in. mesquite tree; copper nail and washer.....	1, 035. 85
Henry Chapel School, 6.2 mi. SE. of, 0.3 mi. NE. of Lucille School, 15 ft. N. and 50 ft. W. from center of junction of T-rd. SW., in root of 6-in. mesquite tree; copper nail and washer.....	1, 032. 06
Henry Chapel School, 5.7 mi. SE. of, 20 ft. N. and 25 ft. W. from center of turn from NE. to NW. in rd., 3 ft. W. of fence; iron post stamped "H 6 1923".....	1, 028. 685

Reference mark, 60 ft. S. of center of turn in rd., on sandstone rock; chiseled square-----	Feet 1, 029. 15
Henry Chapel School, 4.6 mi. SE. of, on E. side of rd., 150 ft. N. of house, in root on N. side of 12-in. mesquite tree; copper nail and washer-----	995. 53
Henry Chapel School, 4.2 mi. SE. of, 90 ft. W. of center of junction of rd. NE., in root of 10-in. mesquite tree; copper nail and washer--	978. 61
Henry Chapel School, 3.7 mi. SE. of, about 75 ft. NW. of Rock Creek, 15 ft. W. of rd.; iron post stamped "H 7 1923" ⁴⁹ -----	954. 750
Reference mark, about 200 ft. N. of creek, 30 ft. W. of rd., in root of 8-in. mesquite tree; copper nail and washer-----	970. 36
Henry Chapel School, 3.4 mi. SE. of, about 0.3 mi. NW. of Rock Creek, 80 ft. E. of rd., in fork of two 10-in. mesquite trees; copper nail and washer-----	989. 76
Henry Chapel School, 2.6 mi. SE. of, 40 ft. E. of rd., in root of three 6-in. mesquite trees; copper nail and washer-----	1, 160. 06
Henry Chapel School, 1.8 mi. SE. of, 25 ft. SE. of center of junction of rd. SW., 10 ft. E. of gate, in concrete post; standard tablet stamped "H 8 1923" ⁵⁰ -----	1, 133. 085
Reference mark, 100 ft. SE. of center of rd. junction, in root of 5-in. mesquite tree; copper nail and washer-----	1, 133. 14
Henry Chapel School, 1.0 mi. SE. of, 120 ft. NW. of junction of rd. S., in fork of two 6-in. mesquite trees; copper nail and washer-----	1, 095. 33
Henry Chapel School, 4 ft. S. and 10 in. E. from front door, in concrete platform; standard tablet stamped "H 10 1924"-----	1, 061. 103
Reference mark, 40 ft. N. of NE. corner of schoolhouse, in root on N. side of 36-in. tree; copper nail and washer-----	1, 061. 76
From road junction 0.6 mile south and 1.7 miles southeast from Dalton generally south 1.8 miles along road to Brazos River bridge (by I. F. Hazelwood in 1923; leveled twice)	
Dalton, 2.1 mi. by direct rd. SE. of, 0.9 mi. N. of Brazos River bridge, 50 ft. N. of rd. fork, on E. side of rd., on rock; chiseled square----	969. 91
Brazos River bridge, 0.5 mi. N. of, 105 ft. W. of center line of rd., 70 ft. E. of house; iron post stamped "H 3 1923"-----	905. 503
Reference mark, 200 ft. NE. of house, on W. side of rd., in root of 8-in. mesquite tree; copper nail and washer-----	905. 08
Brazos River bridge, at NE. corner of, on top of concrete abutment; chiseled square-----	870. 87
From Dixie Store along road southwest by way of Wild Bend Crossing of Brazos River into Ivan quadrangle at point south of Long Bend of Brazos River (by I. F. Hazelwood in 1924)	
Dixie Store, 0.8 mi. S. of, 100 ft. N. of Wild Bend Crossing of Brazos River, 15 ft. W. of rd., in root on E. side of 18-in. oak tree; copper nail and washer-----	970. 94
Brazos River, at Wild Bend Crossing; surface of water Jan. 3, 1924--	945. 1
Wild Bend Crossing, 400 ft. S. of S. bank of river at, 10 ft. E. of center line of rd., in root of 14-in. post-oak tree; copper nail and washer--	979. 39-
Wild Bend Crossing, 0.9 mi. SW. of, near old store, 25 ft. S. of center line of rd., in root on W. side of 38-in. oak tree; copper nail and washer-----	1, 065. 47

⁴⁹ In 1939 it was reported that this bench mark would be submerged by Possum Kingdom Dam.

⁵⁰ In 1938 this bench mark was moved 50 feet east of this position and the new elevation was not determined.

470 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Wild Bend Crossing, 1.3 mi. SW. of, N. of ruins of old house, 100 ft. SE. of rd., in root on W. side of 36-in. oak tree; copper nail and washer-----	Feet 1, 083. 36
Wild Bend Crossing, 2.0 mi. SW. of, 300 ft. NW. of ruins of old house, 100 ft. W. of rd. fork, in root of 8-in. mesquite tree; copper nail and washer-----	1, 117. 02
Wild Bend Crossing, 3.0 mi. SW. of, 0.3 mi. N. of Palo Pinto-Young county line, 60 ft. S. of junction of rd. S.; iron post stamped "H 10 1924"-----	1, 200. 911
Reference mark, 40 ft. N. of rd. junction, on rock 1 by 3 ft. at top; chiseled square-----	1, 201. 92
Wild Bend Crossing, 3.8 mi. SW. of, about 35 ft. NE. of junction of rd. SE., in root of 16-in. mesquite tree; copper nail and washer----	1, 163. 90

From Ivan quadrangle at point about 1 mile northeast of Brad along road northeast 2.7 miles, thence northwest 3.6 miles and back into Ivan quadrangle at point near Bluff Creek (by W. A. Shumate in 1924)

Brad, 1.7 mi. NE. of, on N. side of rd., 120 ft. S. of E.-W. fence, in root on N. side of 60-in. live-oak tree; copper nail and washer-----	1, 258. 07
Brad, 2.8 mi. NE. of, on W. side of rd., in root of 10-in. mesquite tree; copper nail and washer-----	1, 291. 83
Brad, 3.0 mi. NE. of, in NE. angle of junction of rd. N. to house of Anderson Cosby, about 1,000 ft. S. of house; iron post stamped "S 27 1923"-----	1, 283. 666
Reference mark, 40 ft. E. of post, on S. side of rd., in root on W. side of small mesquite tree; copper nail and washer-----	1, 280. 29
Brad, 4.0 mi. NE. of, at junction of rds. NE. and NW., at division fence between Belding and Clipper ranches, 2 ft. S. and 20 ft. W. from W. gatepost, on rock; chiseled square-----	1, 265. 28
Brad, 5.0 mi. NE. of, on E. side of rd., in connecting root of two 10-in. mesquite trees; 10-penny nail and washer-----	1, 197. 43
Brad, 6.0 mi. NE. of, 120 ft. SW. of crossing of Jewel Creek, 40 ft. N. and 30 ft. W. from gap in old stone fence, on rock; chiseled square--	1, 122. 94
Brad, 6.5 mi. NE. of, 30 ft. N. of junction of rds. N. and NW., on E. side of rd. NW., in concrete post; standard tablet stamped "S 2 1924"-----	1, 141. 616
Brad, 7.3 mi. NE. of, 20 ft. S. of rd. W., 3 ft. E. of stone fence between Belding and Set ranches, on rock in place; chiseled square-----	1, 078. 42

QUANAH NO. 4 QUADRANGLE

[Latitude 34°00'-34°15'; longitude 99°30'-99°45']

FOARD AND HARDEMAN COUNTIES

From Benjamin No. 1 quadrangle northeast along Kansas City, Mexico & Orient Railway " into Eldorado quadrangle (by E. R. Martin in 1922)

Crowell, 3.7 mi. N. of, 2.7 mi. SW. of Margaret, 18 ft. W. of track, on N. side of rd., in SW. corner of right-of-way fence, in concrete post, flush with ground; standard tablet stamped "M 68 1925"-----	1, 448. 720
Margaret, on E. side of sheet-iron grain elevator, in N. edge of concrete foundation, about 1 ft. above ground; standard tablet set vertically and stamped "M 69 1925" (recovered by U. S. C. & G. S. in 1933)-----	1, 380. 637
Reference mark, about 75 ft. S. of tablet, at grain elevator, in center of E. side of foundation, near ground; chiseled cross-----	1, 381. 08

* Now the Panhandle & Santa Fe Ry.

Margaret, 2.8 mi. N. of, in SW. corner of right-of-way fence, in concrete post, flush with ground; standard tablet stamped "M 70 1925"-----	Feet 1, 336. 177
Margaret, 6.0 mi. N. of, 4.6 mi. SW. of Medicine Mound, 90 ft. N. of milepost 509 and section divisions 3 and 4, in W. right-of-way fence line, in concrete post, flush with ground; standard tablet stamped "M 71 1925" (recovered by U. S. C. & G. S. in 1933)-----	1, 383. 819
Medicine Mound, at entrance to schoolhouse, in S. face of concrete base of porch column, about 1 ft. above ground; standard tablet stamped "M 72 1925" (recovered by U. S. C. & G. S. in 1933)-----	1, 491. 103
Reference mark, 75 ft. S. of tablet, on top of SW. corner of concrete pump foundation; chiseled square-----	1, 490. 10
Chillicothe, 2.2 mi. SW. of, at crossing of old rd., in NW. corner of R. R. right-of-way fence, on E. side of rd., in concrete post, flush with ground; standard tablet stamped "M 73 1925" (recovered by U. S. C. & G. S. in 1933)-----	1, 409. 121
Chillicothe, at pipe of R. R. water tower, on top of W. side of foundation; chiseled square-----	1, 392. 76
From Vivian quadrangle at point about 4 miles south and 0.6 mile west from Quanah along roads east 0.6 mile and north 0.6 mile into Eldorado quadrangle (by R. W. Burchard in 1925)	
Quanah, 4.0 mi. S. of, 1.0 mi. E. of Forestburg School, 200 ft. E. of farmhouse, 25 ft. S. of three-way fence corner, marked by cairn; top of rock outcrop-----	1, 539. 92

RANDLETT QUADRANGLE

[Latitude 34°00'-34°15'; longitude 98°15'-98°30']

CLAY AND WICHITA COUNTIES

From Waurika quadrangle along roads northwest to Charlie, thence generally southwest into Grandfield quadrangle at point about 6.8 miles west of Thornberry (by Roscoe Reeves in 1914)

Petrolia, 2.2 mi. NW. of, 7.5 mi. SE. of Charlie, at junction of T-rd. E., on S. side of rd., 15 ft. E. of corner fence post; iron post stamped "965"-----	965. 296
Charlie, 4.4 mi. SE. of, at bridge over Wichita River, in W. concrete pillar supporting S. end; standard tablet stamped "905"-----	904. 654
Charlie, 250 ft. SE. of Baptist Church, in SE. angle of crossroads, 40 ft. E. of corner fence post, in fence line; iron post stamped "937"-----	937. 320
Charlie, 0.6 mi. W. of, in front of farmhouse, on N. side of rd., in root of cedar tree; copper nail-----	957. 70
Charlie, 2.0 mi. SW. of, 4.2 mi. NE. of Thornberry, opposite Linville School, on N. side of T-rd. W., 40 ft. W. of corner fence post; iron post stamped "992" ⁵² -----	990. 518
Thornberry, opposite Baptist Church, on W. side of N.-S. rd., in line with fence on N. side of rd. E.; iron post stamped "1005"-----	1, 004. 639
Thornberry, 3.0 mi. W. of, in SE. angle of junction of T-rd. E., 12 ft. S. of corner fence post; iron post stamped "1001"-----	1, 000. 831
Thornberry, 6.2 mi. W. of, 2.0 mi. W. of Cooper School, on S. side of rd., at junction of T-rd. N., in line with fence on W. side of rd.; iron post stamped "983"-----	983. 480

⁵² In 1923 this bench mark was moved 70 feet north of this location, to a position under a new fence line, at curve, and lowered 1.266 feet from the original elevation. The figures given represent the new elevation.

RICHLAND SPRINGS QUADRANGLE

[Latitude 31°15'-31°30'; longitude 98°45'-99°00']

MILLS AND SAN SABA COUNTIES

From Algerita quadrangle along roads generally northeast across southeast corner of quadrangle into Goldthwaite quadrangle (by Basil Tuttle in 1920)

China Creek School, 300 ft. S. of, about 6 mi. NW. of San Saba, on NE. side of Brownwood rd., near corner fence post; iron post stamped "1920 1244"----- *Feet*
1, 245. 425

San Saba, about 7 mi. N. and 3 mi. W. from, 35 ft. E. of center of diagonal crossroads, at fence corner; iron post stamped "Prim Trav Sta No 44 J 1924 Texas 1346"----- 1, 346. 996

From Zephyr quadrangle along road southeast and east to Ridge, thence northeast along Mullin road into Mullin quadrangle⁶³ (by A. B. Williams in 1924)

Ridge, 2.9 mi. NW. of, at junction of private rd. NE. through gate, 30 ft. E. of center line of rd., in root on E. side of 4-in. mesquite tree; copper nail----- 1, 462. 24

Ridge, 1.9 mi. NW. of, 400 ft. NE. of house, 20 ft. NE. of center line of rd., 20 ft. SW. of fence, in root on base of small leaning live-oak tree; copper nail----- 1, 473. 84

Ridge, 1.3 mi. W. of, 9.2 mi. SE. of Elkins, 400 ft. SE. of house of Elmer McCoy, 15 ft. S. of center line of rd., 2 ft. inside fence line, in sandstone outcrop; standard tablet stamped "Prim Trav Sta No 60 T 1923"----- 1, 469. 708

Ridge, at junction of rd. NE. to Williams ranch and rd. SE. to Goldthwaite, 120 ft. S. of store, 500 ft. W. of schoolhouse, 50 ft. S. of center line of rd., 4 ft. N. of fence line, in root of mesquite tree; copper nail----- 1, 490. 31

Ridge, 0.8 mi. NE. of, 15 ft. S. of center line of rd., in root on NW. side of 8-in. mesquite tree; copper nail----- 1, 460. 27

Ridge, 1.8 mi. NE. of, 3.1 mi. SW. of Jackson Bridge over Pecan Bayou, 27 ft. N. of center line of Williams ranch rd. (Mullin rd.), 3 ft. outside fence line, in sandstone ledge; standard tablet stamped "Prim Trav Sta No 61 T 1924"----- 1, 371. 070

Ridge, 2.6 mi. NE. of, 2.3 mi. SW. of Jackson Bridge, 15 ft. N. of center line of rd. at sharp turn, 7 ft. S. of fence corner, on sandstone outcrop; chiseled square----- 1, 314. 89

From Goldthwaite quadrangle at point 3.4 miles northeast of Ratler along roads southwest to point 1.3 miles southwest of Ratler, thence northwest and north by way of Regency into Zephyr quadrangle (by E. E. Harris in 1924)

Ratler, 2.2 mi. NE. of, in NE. corner of crossroads, 2 ft. E. of fence line; iron post stamped "H 178 1924"----- 1, 268. 336

Reference mark, 35.6 ft. S.30°W. of iron post, in root on W. side of small mesquite tree; copper nail and washer----- 1, 268. 52

Ratler, 0.8 mi. NE. of, in NE. corner of rd. junction, in root on W. side of forked mesquite tree; copper nail and washer----- 1, 253. 94

Ratler, 100 ft. S. of former store and post office building, 80 ft. W. of rd., in root on E. side of 36-in. live-oak tree; copper nail and washer- 1, 224. 85

Colorado River, at Ratler ford; surface of water Dec. 16, 1924----- 1, 184. 8

Ratler, 1.3 mi. SW. of, 2.5 mi. N. of Bomar, 0.9 mi. SE. of ranch of Will Smith, in NE. corner of rd. junction, in sandstone post; standard tablet stamped "Prim Trav Sta No 20 J 1924 H 174"----- 1, 226. 954

⁶³ This line crosses the southeast corner of Zephyr quadrangle but no marks were established in that portion of the line.

	<i>Feet</i>
Reference mark, 113 ft. N. of tablet, in root on N. side of 10-in. mesquite tree; copper nail and washer.....	1, 225. 11
Smith ranch house, 100 ft. SE. of, on S. side of rd., in root on N. side of 8-in. mesquite tree; copper nail and washer.....	1, 239. 08
Smith ranch, 1.0 mi. W. of, on S. side of rd., on E. bank of creek, in root on S. side of 15-in. post-oak tree; copper nail and washer.....	1, 245. 25
Smith ranch, 2.0 mi. W. of, on S. side of rd., 10 ft. W. of plank gate in fence line crossing rd., in root on E. side of 10-in. post-oak tree; copper nail and washer.....	1, 320. 70
Smith ranch, 3.3 mi. W. of, 3.7 mi. SE. of Regency, 2.0 mi. NW. of Neils School, 600 ft. NW. of house of J. L. Peterson, on SW. side of rd., at summit of grade, in top of rock ledge; standard tablet stamped "Prim Trav Sta No 19 J 1924 H 175".....	1, 364. 974
Reference mark, 190 ft. N.70°W. of tablet, on top of rock ledge; chiseled square.....	1, 359. 94
Regency, 2.8 mi. SE. of, in fork of private rd. N. through gate, in root on E. side of small mesquite tree; copper nail and washer.....	1, 261. 63
Regency, 1.7 mi. SE. of, on NE. side of rd., at junction of rd. W. to Locker, in root on E. side of 12-in. mesquite tree; copper nail and washer.....	1, 320. 52
Regency, 0.9 mi. SE. of, on E. side of rd., 60 ft. SE. of SE. corner of highway bridge over Colorado River, in top of sandstone ledge; standard tablet stamped "Prim Trav Sta No 21 J 1924 H 176".....	1, 248. 591
Colorado River, under bridge; surface of water Dec. 18, 1924.....	1, 196. 7
Regency, on W. side of rd., 100 ft. N. of junction of T-rd. E. to Goldthwaite, in root on N. side of 6-in. mesquite tree; copper nail and washer.....	1, 250. 26
Regency, 1.0 mi. N. of, on E. side of rd., on S. bank of small creek, in root on W. side of 12-in. post-oak tree; copper nail and washer.....	1, 239. 64
Regency, 2.0 mi. N. of, on W. side of rd., 150 ft. N. of junction of private rd. NE. through gate, in root on W. side of 10-in. mesquite tree; copper nail and washer.....	1, 343. 28
Regency, 3.1 mi. N. of, on W. side of rd., at NW. corner of small bridge over Rough Creek, on boulder; chiseled square.....	1, 270. 46
Regency, 3.2 mi. N. of, 750 ft. N. of bridge over Rough Creek, on E. side of sharp turn in rd., 50 ft. S. of fence corner, in sandstone post; standard tablet stamped "Prim Trav Sta No 22 J 1924 H 177".....	1, 286. 146
Regency, 4.2 mi. N. of, 4.2 mi. SE. of Ebony, on E. side of rd., in line with rd. W., 15 ft. E. of fence line, in crotch of mesquite tree; copper nail and washer.....	1, 310. 99
Regency, 5.2 mi. N. of, on W. side of rd., 150 ft. S. of junction of rd. NE., in angle W. in rd., outside fence line, in root on E. side of small mesquite tree; copper nail and washer.....	1, 365. 40
<p style="margin-left: 40px;">From point 1.7 miles southeast of Regency along roads alternately west and south to point 3 miles west of Locker, thence generally north by way of Bowser and Whittet Crossing of Colorado River to Oakland School, thence northeast and southeast to point 4.2 miles north of Regency (by E. E. Harris in 1924-25)</p>	
Regency, 2.6 mi. SW. of, 1.3 mi. N. of Mesquite Church, 50 ft. S. and 30 ft. E. from right-angle turn in rd., in root on N. side of small mesquite tree; copper nail and washer.....	1, 288. 54
Mesquite Church, 0.2 mi. N. of, 0.5 mi. N., thence 2.1 mi. E. from Locker, 1.3 mi. E. of Mount Pleasant School, 20 ft. N. and 60 ft. W. from crossroads, in sandstone post; standard tablet stamped "Prim Trav Sta No 18 J 1924 H 182".....	1, 348. 515

474 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Reference mark, 188 ft. W. of tablet, in root on N. side of 10-in. mesquite tree; copper nail and washer.....	1, 344. 69
Locker, 0.5 mi. N., thence 1.0 mi. E. from, 0.2 mi. E. of Mount Pleasant School, in SW. corner of junction of T-rd. S., 130 ft. W. of creek crossing, in crotch of small mesquite tree; copper nail and washer....	1, 304. 64
Locker, 500 ft. S. of post office, in SW. corner of crossroads, in root on S. side of 12-in. mesquite tree; copper nail and washer.....	1, 300. 06
Locker, 1.2 mi. W. of, in NE. corner of T-rd. N., 6 ft. N. of fence corner, in sandstone post; standard tablet stamped "Prim Trav Sta No 17 J 1924 H 183".....	1, 331. 903
Reference mark, 70 ft. N.40°W. of tablet, in root on W. side of small mesquite tree; copper nail and washer.....	1, 333. 26
Locker, 2.0 mi. W. of, 60 ft. S. and 20 ft. E. from rd. junction, 3 ft. E. of fence line, in crotch of forked post-oak tree; copper nail and washer.....	1, 418. 04
Locker, 3.0 mi. W. of, in SE. corner of junction of N.-S. rd., on top of sandstone ledge; chiseled square.....	1, 386. 23
Locker, 3.0 mi. W., thence 1.0 mi. NW. from, on N. side of rd., 140 ft. E. of small bridge, in angle in fence line, in root on W. side of 12-in. post-oak tree; copper nail and washer.....	1, 306. 39
Locker, 3.0 mi. W., thence 1.5 mi. NW. from, 1.3 mi. S. of Bowser, in center of large triangle formed by junction of N.-S. rd., on E. side of rd., in front of dwelling; iron post stamped "H 184 1924".....	1, 360. 558
Reference mark, 46.8 ft. N.40°E. of iron post, in root on SW. side of mesquite tree; copper nail and washer.....	1, 360. 14
Bowser, in NW. corner of junction of rd. NW., on N. side of private lane NW. through gate, in root on E. side of 6-in. mesquite tree; copper nail and washer.....	1, 311. 72
Bowser, 1.0 mi. N. of, in SE. corner of rd. fork, in root on E. side of small mesquite tree; copper nail and washer.....	1, 336. 82
Bowser, 2.2 mi. NE. of, 2.3 mi. SE. of Whittet Crossing of Colorado River, on W. side of rd., 2 ft. W. of fence line, 30 ft. N. of gate, in sandstone post; standard tablet stamped "H 185 1924".....	1, 327. 610
Reference mark, 64.2 ft. S.20°W. of tablet, in root on E. side of 6-in. mesquite tree; copper nail and washer.....	1, 331. 46
Whittet Crossing, 1.1 mi. SE. of, on E. side of rd., at summit of grade, in line with dim rd. SW., 3 ft. E. of fence line, in root on W. side of prominent mesquite tree; copper nail and washer.....	1, 339. 82
Whittet Crossing of Colorado River, 300 ft. S. of, 80 ft. S. of rd. junction, on W. side of rd., in root on W. side of 18-in. water-elm tree; copper nail and washer.....	1, 239. 54
Colorado River, at Whittet Crossing; surface of water Dec. 31, 1924... ..	1, 219. 5
Whittet Crossing, 0.8 mi. N. of, 1.6 mi. SE. of Oakland School, on W. side of rd., 150 ft. NE. of dwelling, 20 ft. N. of lone tree in fence corner, in sandstone post; standard tablet stamped "H 186 1925".....	1, 312. 665
Reference mark, 80.4 ft. S.20°W. of tablet, in root on E. side of 18-in. post-oak tree; copper nail and washer.....	1, 310. 68
Oakland School, 0.4 mi. S. of, on W. side of rd., in front of dwelling, 300 ft. S. of angle in rd., in root on W. side of 12-in. mesquite tree; copper nail and washer.....	1, 335. 38
Oakland School, 700 ft. NE. of, in NE. corner of rd. fork, in root on E. side of 6-in. mesquite tree; copper nail and washer.....	1, 345. 79
Oakland School, 1.2 mi. NE. of, on N. side of rd., 3 ft. N. of fence line, in root on N. side of small mesquite tree; copper nail and washer... ..	1, 352. 02

[Line jogs into Zephyr quadrangle]

Oakland School, 2.2 mi. NE., thence 1.0 mi. SE. from, 0.6 mi. NW., thence 1.2 mi. SW. from Ebony, on S. side of rd., 20 ft. E. of cross lane, 20 ft. S. of fence line, in root on N. side of 8-in. mesquite tree; copper nail and washer..... *Feet*
1, 441. 48

[Line jogs into Zephyr quadrangle]

Ebony, 1.1 mi. S. of, on E. side of rd., 70 ft. S. of T-rd. E., in root of 12-in. mesquite tree; copper nail and washer..... 1, 311. 96.
Ebony, 1.1 mi. S., thence 0.4 mi. E. from, 430 ft. E. of crossing of Buffalo Creek, on S. side of rd., 3 ft. S. of fence line, in top of sandstone ledge; standard tablet stamped "Prim Trav Sta No 30 J 1924 H 188"..... 1, 329. 016
Reference mark, 127 ft. N.50°E. of tablet, on sandstone boulder, chiseled square..... 1, 328. 16
Ebony, 1.1 mi. S., thence 1.1 mi. E. from, in right-angle turn in rd., in root on N. side of 12-in. post-oak tree; copper nail and washer..... 1, 333. 23
Ebony, 3.2 mi. SE. of, 4.2 mi. N., thence 1.0 mi. NW. from Regency, on W. side of right-angle turn in rd., 3 ft. W. of fence line, 80 ft. N. of angle in fence line, in root on W. side of 6-in. mesquite tree; copper nail and washer..... 1, 388. 66

From point 1.3 miles south of Bowser along roads south and west into Mercury quadrangle at point 1.8 miles east of Holt School (by E. E. Harris in 1925)

Bowser, 2.5 mi. S. of, 4.2 mi. SE. of Holt School, 35 ft. N. and 60 ft. W. from junction of rd. W., in root on W. side of 8-in. mesquite tree; copper nail and washer..... 1, 370. 40
Holt School, 3.1 mi. E. of, in SW. corner of crossroads, in sandstone post; standard tablet stamped "Prim Trav Sta No 16 J 1924 H 189"..... 1, 358. 916
Reference mark, 83 ft. N.40°W. of tablet, in root on E. side of 6-in. mesquite tree; copper nail and washer..... 1, 357. 09
Holt School, 1.9 mi. E. of, 60 ft. N. of rd., 100 ft. SW. of dwelling, in root on S. side of 12-in. post-oak tree; copper nail and washer..... 1, 394. 18

From Algerita quadrangle northwest along State highway near Gulf, Colorado & Santa Fe Railway into Mercury quadrangle (by E. E. Harris in 1925)

Richland Springs; 2.1 mi. SE. of, in NW. angle of crossroads, in root on W. side of leaning mesquite tree; copper nail and washer..... 1, 432. 02
Richland Springs, 1.1 mi. SE. of, 50 ft. N. and 90 ft. E. from cross lane, in root on E. side of forked mesquite tree; copper nail and washer..... 1, 396. 99
Richland Springs, at entrance to bank, in W. end of top stone step; standard tablet stamped "H 196 1925"..... 1, 371. 346
U. S. C. & G. S. standard disk stamped "Z 340 1935"⁶⁴..... 1, 378. 560
Richland Springs, in front of sta.; top of rail..... 1, 376. 7
Richland Springs, 1.0 mi. W. of, on N. side of old Brady rd., 150 ft. W. of rd. crossing, on E. side of drain, in root on S. side of prominent post-oak tree; copper nail and washer..... 1, 391. 36
Richland Springs, 1.7 mi. W. of, on S. side of angle in old Brady rd., in angle in fence line, in root on N. side of mesquite tree; copper nail and washer..... 1, 406. 01

⁶⁴The tie between this mark and the bench mark stamped "H 196 1925" was made in 1936.

476 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Richland Springs, 2.9 mi. W. of, on S. side of old Brady rd., on E. side of drain, in top of granite ledge; standard tablet stamped "H 197 1925"-----	Feet 1, 470. 174
Reference mark, 109 ft. N.60°W. of tablet, in root on S. side of prominent live-oak tree; copper nail and washer-----	1, 475. 98
From point 7 miles north and 3 miles west from San Saba along roads near east border of quadrangle north and northeast into Goldthwaite quadrangle (by H. P. Kilby and E. E. Harris in 1925)	
Fairview School, 180 ft. E. of, on W. side of rd., 300 ft. S. of T-rd. W., directly under telephone wire, in base of oak tree; copper nail and washer-----	1, 341. 95
Fairview School, 2.0 mi. NE. of, 10.0 mi. NW. of San Saba, on S. slope of hill, near burned buildings, 15 ft. E. of rd., on flat rock; chiseled square-----	1, 449. 69
From Zephyr quadrangle at point 1.7 miles southeast of Indian Creek along road south to Oakland School (by E. E. Harris in 1925)	
Indian Creek, 1.9 mi. SE. of schoolhouse at, 1.2 mi. NE. of Oakland School, on E. side of rd., opposite lane W., on S. side of driveway to dwelling, in root on S. side of prominent mesquite tree; copper nail and washer-----	1, 313. 19
From Goldthwaite quadrangle at point about 1.5 miles northwest of Catsclaw School along road west and southwest to point 0.8 mile north of Batler (by E. E. Harris in 1925)	
Catsclaw School, about 2 mi. NW. of, on W. side of rd., on E. bank of Colorado River, 40 ft. S. of gate in fence line crossing rd., in root on N. side of 12-in. elm tree; copper nail and washer-----	1, 217. 34
ROUND ROCK QUADRANGLE	
[Latitude 30°30'–30°45'; longitude 97°30'–97°45']	
WILLIAMSON COUNTY	
From Taylor No. 3 quadrangle southwest along International-Great Northern Railroad to Round Rock (by T. A. Green in 1924)	
Frame, 1.5 mi. W. of, 1.7 mi. E. of Hutto, 2,100 ft. NW. of milepost 151, on S. side of rd., 500 ft. NW. of house of Oscar Nelson, in S. side of concrete culvert over wide ditch; standard tablet stamped "G 39 1923"-----	669. 547
Reference mark, 225 ft. S. of tablet, at NW. corner of red feedhouse, on limestone rock, which is part of foundation; chiseled mark-----	668. 25
Hutto, 1 block E. of sta., 170 ft. SW. of street crossing, on E. side of yellow house, in hub on base of 20-in. locust tree; copper nail and washer-----	655. 90
Hutto, 400 ft. NE. of sta., 160 ft. N. of main tracks, 40 ft. S. of lumber office of R. B. Spencer & Co., on S. wall of concrete culvert; chiseled square-----	660. 34
Hutto, 0.9 mi. W. of, at milepost 154, 75 ft. N. of track, on S. side of Meridian Highway, 650 ft. E. of rd. crossing, in S. wall of concrete bridge; standard tablet stamped "G 40 1923"-----	656. 695
Hutto, 4.1 mi. SW. of, 4.3 mi. NE. of Round Rock, 1,200 ft. W. of milepost 157, 45 ft. S. of center line of track, 32 ft. W. of center line of second-class rd., in right-of-way fence corner; iron post stamped "G 1 1924"-----	646. 156
Reference mark, 80 ft. E. of tablet, 45 ft. S. of track, 90 ft. SE. of rd. crossing, in hub on base of 20-in. elm tree; copper nail and washer--	646. 68

	<i>Feet</i>
Round Rock, 2.0 mi. NE. of, 600 ft. W. of intersection of Missouri-Kansas-Texas R. R., on S. side of track, on W. end of 24-in. concrete drain pipe; chiseled square.....	685. 40
Round Rock, 1.5 mi. NE. of, 235 ft. E. of water tank, 35 ft. S. of track, 165 ft. W. of milepost 160, 170 ft. W. of W. end of iron R. R. bridge over Brushy Creek, in sandstone outcrop; standard tablet stamped "G 2 1924".....	689. 640
Reference mark, at milepost 160, on N. end of W. concrete wing wall of bridge; chiseled square.....	691. 30
Round Rock, 0.5 mi. NE. of, 200 ft. SE. of milepost 161, 115 ft. S. of main tracks, 65 ft. S. of edge of right-of-way, in hub on base of 16-in. elm tree; copper nail and washer.....	702. 24
Round Rock, in front of sta.; top of N. rail of main track.....	716. 0
Round Rock, about 700 ft. SW. of sta., at R. R. bridge 161.57, on W. end of N. concrete wing wall; chiseled square.....	716. 17
From Round Rock southwest along International-Great Northern Railroad into Austin No. 1 quadrangle (by T. A. Green and H. P. Jones in 1924; spur line leveled twice)	
Round Rock, 0.5 mi. SW. of sta., in S. angle of rd. crossing, opposite junction of rd. NE., 450 ft. N. of colored schoolhouse, 250 ft. NW. of colored church, in limestone rock, flush with ground; standard tablet stamped "G 3 1924".....	734. 930
Reference mark, 165 ft. S. of tablet, 150 ft. W. of SW. corner of church, in hub in center of cluster of live-oak trees; copper nail and washer.....	738. 16
From Round Rock northwest along International-Great Northern Railroad 1.3 miles, thence west along Round Rock-Cedar Park road into Georgetown No. 3 quadrangle (by T. A. Green in 1924)	
Round Rock, 0.8 mi. NW. of, at rd. crossing, 145 ft. NE. of track, in root of live-oak tree; copper nail and washer.....	731. 38
Round Rock, 1.3 mi. NW. of, 45 ft. W. of intersection of Round Rock-Cedar Park rd., 30 ft. S. of track, in hub on base of old post-oak tree; copper nail and washer.....	737. 08
Round Rock, 2.0 mi. NW. of, 40 ft. W. of center line of rd., 15 ft. S. of gate at private rd. W., on flat limestone rock; chiseled square..	748. 64
Round Rock, 2.5 mi. NW. of, 70 ft. NW. of junction of Leander rd., 60 ft. SW. of gate at private rd. N., in flat limestone rock, flush with ground; standard tablet stamped "G 5 1924".....	765. 003
Reference mark, 110 ft. SW. of tablet, 5 ft. W. of fence line, 55 ft. W. of rd. junction, on limestone rock; chiseled square.....	764. 85
Round Rock, 2.9 mi. NW. of, on W. side of Brushy Creek, where rd. crosses concrete causeway, in hub on base of large post-oak tree standing in center of rd.; copper nail and washer.....	732. 81
Round Rock, 4.1 mi. NW. of, 125 ft. S. of Brushy Creek, on S. side of rd., in hub on root of 12-in. elm tree; copper nail and washer.....	750. 87
Round Rock, 5.1 mi. NW. of, 360 ft. W. of rd. junction at forks of Brushy Creek, 30 ft. N. of center line of highway, in hub on 24-in. leaning live-oak tree; copper nail and washer.....	765. 80

From Georgetown No. 3 quadrangle northeast along Leander road to International-Great Northern Railroad, thence north to Georgetown, thence east along Georgetown-Circleville road to road junction 2.5 miles east of Jonah, thence generally north to Missouri-Kansas-Texas Railroad, thence east 0.5 mile into Taylor No. 3 quadrangle (by T. A. Green in 1924)

Georgetown, 5.5 mi. SW. of Williamson County courthouse at, 40 ft. N. of center line of rd., 9 ft. N. of fence line, 40 ft. W. of twin live-oak tree, in flat limestone rock, flush with ground; standard tablet stamped "G 9 1924"-----	Feet 946. 440
Reference mark, 65 ft. NE. of tablet, 19 ft. N. of fence line, 28 ft. NE. of twin live-oak tree, on highest point of flat limestone rock; chiseled square-----	945. 18
Georgetown, 4.5 mi. SW. of, on S. side of rd., on highest point of large limestone outcrop; chiseled square-----	914. 10
Georgetown, 3.5 mi. SW. of, on N. side of macadam rd., in root of lone elm tree; copper nail and washer-----	839. 18
Georgetown, 2.5 mi. SW. of, 35 ft. E. of center line of rd., 30 ft. S. of gate at private rd. S., 15 ft. E. of telephone pole at fence line, in center of group of live-oak trees, in flat limestone rock, flush with ground; standard tablet stamped "G 10 1924"-----	837. 182
Reference mark, 545 ft. N. of tablet, 35 ft. E. of center line of rd., 15 ft. E. of fence line, in hub on base of 12-in. elm tree; copper nail and washer-----	832. 61
Georgetown, 1.3 mi. SW. of, at intersection of I. G. N. R. R., 70 ft. W. of track, 30 ft. W. of fence corner, 5 ft. N. of fence line, in hub on base of live-oak tree; copper nail and washer-----	760. 31
Georgetown, at W. entrance to public school, on top of N. end of fourth stone step above ground; chiseled square-----	759. 07
Georgetown, at Williamson County courthouse, 20 ft. W. of S. entrance, in fourth step above ground; standard tablet stamped "G 11 1924" (recovered by U. S. C. & G. S. in 1935)-----	758. 473
Reference mark, 139 ft. SE. of tablet, at SE. corner of public square, on W. side of street, 8 ft. N. of corner, on curb; chiseled square-----	754. 68
Georgetown, at main building of Southwestern University, on S. side, at W. entrance, on top of W. end of third stone step above ground; chiseled square-----	748. 34
Georgetown, at E. end of town, at SW. corner of street intersection, opposite Southwestern University annex, on curb; chiseled square-----	765. 67
Georgetown, 1.9 mi. E. of courthouse, at intersection of second-class rds. N. and S., at gate; highest point of rock-----	734. 42
Georgetown, 2.6 mi. E. of, 250 ft. SE. of oil well, on S. side of rd., at NW. corner of small wooden bridge, at junction of second-class rd. S., on irregular-shaped rock; highest point-----	755. 48
Georgetown, 3.1 mi. E. of, 0.6 mi. E. of oil well, 20 ft. E. of center line of T-rd. S., 30 ft. S. of center line of E.-W. rd., in fence corner, in concrete post; standard tablet stamped "G 12 1924" ⁵⁵ -----	759. 839
Reference mark, 0.4 mi. E. of tablet, 140 ft. N. of main rd., on W. side of private rd. N., at mail box of Max Rogers, in hub on N. side of 12-in. hackberry tree; copper nail and washer-----	757. 09
Georgetown, 4.2 mi. E. of, 30 ft. N. of center line of rd., 520 ft. E. of junction of T-rd. S., in hub on base of hackberry tree; copper nail and washer-----	742. 07

⁵⁵ Later in 1924 "HPJ 3 1924" was added to the stamping.

	<i>Feet</i>
Georgetown, 5.7 mi. E. of, at summit of grade leading down to San Gabriel River, on S. side of rd., opposite mail box of W. Fine, in root of 20-in. live-oak tree; copper nail and washer-----	634. 01
Georgetown, 6.1 mi. E. of, 2.7 mi. W. of Jonah, 570 ft. NE. of center line of concrete causeway over San Gabriel River, 175 ft. E. of rd. junction, 30 ft. N. of center line of rd., 1 ft. N. of fence line, in fence corner; iron post stamped "G 13 1924"-----	608. 265
Reference mark 1, on N. side of rd., 615 ft. SW. of center line of concrete causeway, in hub on base of lone 40-in. pecan tree; copper nail and washer-----	604. 77
Reference mark 2, 80 ft. W. of tablet, on N. end of floor of concrete bridge over drain; chiseled square-----	606. 16
Jonah, 1.6 mi. W. of, 1.0 mi. E. of concrete causeway over San Gabriel River, 175 ft. W. of junction of T-rd. S., on S. side of rd., in hub on easternmost of two live-oak trees standing close together; copper nail and washer-----	606. 54
Jonah, 0.8 mi. W. of, 500 ft. SE. of large white house occupied by C. A. Baird, on S. side of rd., at edge of pasture, in root of 10-in. elm tree; copper nail and washer-----	599. 43
Jonah, 170 ft. SE. of rd. junction, on S. side of concrete bridge, 35 ft. NW. of NW. corner of Methodist Church, on N. edge of lot, in concrete post; standard tablet stamped "G 14 1924"-----	592. 228
Reference mark, 240 ft. NW. of tablet, on W. end of N. concrete wing wall of bridge over running stream; chiseled square-----	588. 92
Jonah, 0.8 mi. E. of, on S. side of rd., 40 ft. NE. of barn, directly S. of house owned and occupied by C. M. Gattis, in hub on base of leaning mesquite tree; copper nail and washer-----	602. 32
Jonah, 2.5 mi. E. of, near junction of rd. NW., at mail box 59, 35 ft. N. of center line of Georgetown-Circleville rd., 25 ft. E. of center line of rd. NW., 110 ft. NE. of gray house; standard iron post stamped "G 15 1924"-----	594. 766
Reference mark, 430 ft. W. of tablet, 35 ft. N. of center line of rd., in hub on N. side of twin hackberry tree; copper nail and washer....	595. 42
Jonah, 2.5 mi. E., thence 2.8 mi. NW. from, at point where long straight rd. jogs slightly E., 40 ft. NW. of T-rd. junction, 1 ft. N. of E.-W. fence line, in concrete post; standard tablet stamped "G 16 1924"....	667. 145
Reference mark, 1,600 ft. NE. of tablet, 175 ft. E. of rd., in field, on edge of branch, in hub on W. side of lone sycamore tree; copper nail and washer-----	665. 30
Jonah, 2.5 mi. E., thence 3.5 mi. N. from, on N. side of E.-W. rd., in front yard of house, 530 ft. W. of mail box of W. M. Rhoades, on E. side of rd. leading to house, in hub on base of chinaberry tree; copper nail and washer-----	672. 21
Jonah, 2.5 mi. E., thence 4.2 mi. N. from, on S. side of main rd. from Weir to Granger, 60 ft. SE. of SE. corner of house of J. O. Salyer, in root of 10-in. hackberry tree; copper nail and washer-----	680. 26
Jonah, 2.5 mi. E., thence 5.5 mi. N. from, 2.3 mi. S. of Keelersville, 4.4 mi. SW. of Granger, at M. K. T. R. R. crossing, 0.5 mi. W. of milepost 912, 45 ft. NE. of center line of tracks, 12 ft. E. of wagon rd., in right-of-way fence corner; iron post stamped "G 17 1924"-----	667. 079
U. S. C. & G. S. standard disk stamped "Q 328 1935" ⁶⁶ -----	721. 629

⁶⁶ The tie between this mark and the bench mark stamped "G 17 1924" was made in 1936.

From road junction 1.5 miles east of Jonah along road southeast into Taylor No. 3 quadrangle at point about 5 miles southeast of Jonah (by H. P. Jones in 1924)

Jonah, 1.5 mi. E., thence 1.1 mi. SE. from, 0.6 mi. S. of San Gabriel River, on W. side of rd., in root on N. side of 6-in. hackberry tree; copper nail and washer.....	Feet 637. 20
Jonah, 1.5 mi. E., thence 2.4 mi. SE. from, 1.9 mi. S. of San Gabriel River, on W. side of rd., in root on E. side of 14-in. locust tree; copper nail and washer.....	646. 93
Jonah, 1.5 mi. E., thence 2.9 mi. SE. from, 25 ft. SE. of crossroads, 2 ft. S. of mail boxes; standard iron post stamped "HPJ 14 1924".....	647. 509

From point on International-Great Northern Railroad 3.6 miles northeast of Round Rock along roads generally north to point on Georgetown-Circleville road 3.1 miles east of Georgetown (by H. P. Jones in 1924)

Round Rock, 4.5 mi. NE. of, 0.9 mi. SW. of Stony Point School, 115 ft. NW. of farmhouse owned by Carl Nelson, in root on E. side of 12-in. chinaberry tree; copper nail and washer.....	673. 80
Stony Point School, 110 ft. E. of, in root on W. side of 10-in. hackberry tree; copper nail and washer.....	717. 15
Stony Point School, 0.6 mi. NW. of, 18 ft. S. and 12 ft. E. from junction of rd. N., in root on W. side of 9-in. hackberry tree; copper nail and washer.....	736. 10
Stony Point School, 1.0 mi. NW. of, in NW. corner of yard, 135 ft. NW. of house owned by Carl Nelson, in concrete post; standard tablet stamped "HPJ 1 1924".....	736. 663
Reference mark, 37 ft. S. of fence corner, in root of small bushy mesquite tree; copper nail and washer.....	735. 86
Stony Point School, 2.6 mi. NW. of, 125 ft. NW. of red house, 240 ft. W. of fence corner, in root on S. side of 5-in. hackberry tree; copper nail and washer.....	745. 88
Stony Point School, 3.4 mi. NE. of, 0.9 mi. W., thence 0.9 mi. SE. from Bell gin, 195 ft. E. of fence corner at T-rd. N., in root on S. side of small hackberry tree; copper nail and washer.....	781. 24
Bell gin, 0.9 mi. W. of, at NE. corner of crossroads, inside fence; standard iron post stamped "HPJ 2 1924".....	813. 922
Bell gin, 1.2 mi. NE. of, 50 ft. W. of center line of rd., in front of house owned by Carl Rider, in yard, in root on W. side of 7-in. hackberry tree; copper nail and washer.....	755. 91
Bell gin, 2.0 mi. NE. of, 3.1 mi. E., thence 1.3 mi. S. from Georgetown, on W. side of rd., in root on W. side of 8-in. hackberry tree; copper nail and washer.....	755. 00

From Georgetown northeast along Missouri-Kansas-Texas Railroad 2.3 miles, thence along roads alternately northwest and northeast to Mount Prospect School, thence generally southwest and southeast and back to Georgetown (by H. P. Jones in 1924)

Georgetown, in front of M. K. T. R. R. sta.; top of rail.....	734. 1
Georgetown, 1.4 mi. NE. of M. K. T. R. R. sta., on E. end of R. R. bridge over San Gabriel River, on N. end of wing wall; chiseled square.....	679. 75
Georgetown, 2.6 mi. NE. of, 0.2 mi. E. of Fairview School, 12 ft. E. of junction of NE.-SW. rd., inside fence; iron post stamped "HPJ 4 1924".....	685. 516
Georgetown, 3.6 mi. NE. of, on N. side of Georgetown-Walburg rd., in root on S. side of 14-in. white-oak tree; copper nail and washer.....	711. 85

Georgetown, 4.0 mi. NE. of, at Berry Creek, on N. side of rd., in root on N. side of 9-in. willow tree; copper nail and washer-----	Feet 646. 98
Georgetown, 4.9 mi. NE. of, 0.9 mi. NE. of Berry Creek, 22 ft. SW. of rd. junction, at fence corner; on limestone rock; chiseled square-----	715. 40
Georgetown, 6.3 mi. NE. of, 600 ft. S. of Ranger School, 14 ft. E. of rd. junction, in concrete post; standard tablet stamped "HPJ 5 1924"-----	732. 761
Reference mark, 60 ft. N. and 400 ft. W. from rd. junction, in root on S. side of 24-in. cottonwood tree; copper nail and washer-----	738. 77
Georgetown, 8.3 mi. NE. of, at NW. corner of garage, on limestone rock; chiseled square-----	811. 71
Georgetown, 8.9 mi. NE. of, 2.6 mi. by rd. W. of Walburg, at SW. corner of junction of NE.-SW. rd., in fence corner, on limestone rock; highest point-----	823. 30
Walburg, 3.0 mi. W. of, 1.4 mi. SE. of Mount Prospect School, 30 ft. NE. of junction of T-rd. NW., inside fence; iron post stamped "HPJ 6 1924"-----	813. 125
Mount Prospect School, 220 ft. NE. of, 265 ft. E. of rd. junction at State highway, in root of small bushy tree; copper nail and washer-----	812. 39
Mount Prospect School, 0.7 mi. SW. of, at junction of rd. NE., on N. end of head wall of concrete culvert; chiseled square-----	801. 60
Mount Prospect School, 1.8 mi. SW. of, at crossing of Dry Berry Creek, on masonry wall; chiseled square-----	716. 21
Mount Prospect School, 2.6 mi. SW. of, 25 ft. S. of rd. N., in concrete post; standard tablet stamped "HPJ 7 1924"-----	767. 674
Mount Prospect School, 3.7 mi. SW. of, on S. side of Florence rd., 8 ft. inside fence, in root on N. side of 12-in. live-oak tree; copper nail and washer-----	831. 11
Mount Prospect School, 4.6 mi. SW. of, on rd. between Florence rd. and Lampasas rd., in root of 12-in. oak tree; copper nail and washer-----	829. 45
Mount Prospect School, 5.1 mi. SW. of, on N. side of rd. between Florence rd. and Lampasas rd., 45 ft. E. of fence corner, in flat limestone rock; standard tablet stamped "HPJ 8 1924"-----	827. 678
Mount Prospect School, 6.1 mi. SW. of, in root on N. side of double post-oak tree; copper nail and washer-----	830. 26
Mount Prospect School, 7.1 mi. SW. of, 40 ft. NW. of Berry Creek, 20 in. N. of 14-in. oak tree, on limestone rock; highest point-----	810. 77
Mount Prospect School, 8.1 mi. SW. of, 7.4 mi. NW., thence 2.3 mi. NE. from Williamson County courthouse at Georgetown, 6 ft. E. of Berry Creek, 4 ft. N. of rd. crossing, in root on S. side of 20-in. elm tree; copper nail and washer-----	780. 10

[Line jogs into Georgetown No. 3 quadrangle]

Georgetown, 5.6 mi. NW. of, 250 ft. S. of North Fork of San Gabriel River, 185 ft. E. of rd. junction, 25 ft. S. of center line of rd., in concrete post; standard tablet stamped "HPJ 10 1924"-----	745. 855
Reference mark, in root on N. side of 11-in. walnut tree; copper nail and washer-----	744. 71
Georgetown, 4.6 mi. NW. of, at N. end of upstream side of concrete causeway over North Fork of San Gabriel River; chiseled square--	710. 57
Georgetown, 3.6 mi. NW. of, on W. side of rd., 1.0 mi. N. of San Gabriel River, in root on S. side of 12-in. live-oak tree; copper nail and washer-----	779. 84

Georgetown, 2.7 mi. NW. of, 0.5 mi. S. of Lampasas rd., on W. side of rd., in root on E. side of 20-in. live-oak tree; copper nail and washer-----	Feet 786. 91
Georgetown, 2.2 mi. along Lampasas rd. NW. of, 27 ft. SE. of rd. junction, inside fence; iron post stamped "HPJ 11 1924"-----	770. 442
Reference mark, 100 ft. E. of rd. junction, in root of 9-in. oak tree; copper nail and washer-----	769. 50
Georgetown, 1.3 mi. NW. of, on N. side of Lampasas rd., in root on S. side of 15-in. elm tree; copper nail and washer-----	758. 40
Georgetown, 0.6 mi. N. of, on N. end of downstream side of wing wall of bridge over North Fork of San Gabriel River; chiseled square--	700. 08

From point on Missouri-Kansas-Texas Railroad 2.3 miles south of Keelersville along roads generally north to Keelersville, thence west to road junction 2.6 miles west of Walburg (by T. A. Green in 1924)

Keelersville, 1.6 mi. SE. of, at NE. corner of junction of T-rd. E., at fence corner, on oblong black limestone rock; highest point-----	695. 55
Keelersville, 45 ft. NW. of rd. intersection, on land owned by Williamson County, 100 ft. N. of store of A. J. Horn, 9 ft. N. of fence corner on land of Charles Keeler, 50 ft. N. of mail box of W. T. Galloway, in concrete post; standard tablet stamped "G 20 1924"-----	678. 342
Reference mark, 130 ft. SW. of tablet, in front yard of Horn residence, in root of first hackberry tree W. of gate; copper nail and washer--	675. 28
Keelersville, 2.0 mi. NW., thence 0.9 mi. SW. from, 2.4 mi. by rd. E. of Walburg, 35 ft. SE. of junction of Walburg-Granger rd., 30 ft. S. of NW.-SE. rd., on edge of triangular-shaped pasture of Adolph Andrews; iron post stamped "G 21 1924"-----	739. 930
Reference mark, 215 ft. NW. of tablet, 15 ft. N. of center line of rd., 5 ft. SW. of corner fence post, on top of limestone formation; chiseled square-----	743. 98
Walburg, 1.1 mi. NE. of, 0.5 mi. NE. of cemetery, 26 ft. SW. of rd. junction, 23 ft. N. of mail box of John Kasperick, in hub on root of hackberry tree; copper nail and washer-----	751. 22
Walburg, 0.8 mi. NE. of, at NE. corner of bridge over Opossum Creek; top of bolt-----	741. 19
Walburg, 225 ft. E. of rd. junction at center of town, 45 ft. N. of center line of rd., at house of Henry Jacobs, in SW. corner of fence around front yard, in concrete post; standard tablet stamped "G 22 1924"-----	849. 520
Reference mark, 120 ft. SW. of tablet, 60 ft. S. of fence corner, in hub on N. side of 8-in. hackberry tree; copper nail and washer----	842. 15
Walburg, 2.1 mi. W. of, 50 ft. N. of rd., 40 ft. N. of mail box 43, on small sharp limestone rock; highest point-----	878. 79

From Georgetown west along Liberty Hill road 4.8 miles into Georgetown No. 3 quadrangle (by H. P. Jones in 1924; spur line leveled twice)

Georgetown, 0.6 mi. W. of, at E. end of downstream side of bridge over South Fork of San Gabriel River, on top of concrete wing wall; chiseled square-----	720. 32
Georgetown, 1.5 mi. W. of, on N. side of rd., opposite cemetery, in root on S. side of 9-in. oak tree; copper nail and washer-----	827. 48
Georgetown, 2.6 mi. W. of, on N. side of rd., 6 ft. S. and 30 ft. W. from wooden gate, in limestone rock, flush with ground; standard tablet stamped "HPJ 12 1924"-----	878. 585
Reference mark, 250 ft. W. of gate, in root of 7-in. elm tree; copper nail and washer-----	883. 56

Georgetown, 3.5 mi. W. of, on S. side of rd., at W. side of wire gate, in root of 12-in. elm tree; copper nail and washer.....	Feet 896. 40
Georgetown, 4.3 mi. W. of, on W. side of rd., on W. side of wire gate, in root on S. side of 12-in. elm tree; copper nail and washer.....	914. 90

RULE QUADRANGLE

[Latitude 33°00'-33°15'; longitude 99°45'-100°00']

HASKELL AND STONEWALL COUNTIES

From Aspermont quadrangle east along roads into Haskell No. 4 quadrangle at point near Haskell (by E. R. Martin in 1924-25)

Rule, 6.5 mi. W. of, 0.8 mi. W. of Sweet Home Church, in SE. angle of junction of rd. S., on property of Mrs. J. S. Martin, in fence corner, in concrete post flush with ground; standard tablet stamped "M 28 1924".....	1, 583. 572
Rule, 5.4 mi. W. of, at crossing of Tonk Creek, on W. side of rd., on NW. shoulder of concrete culvert; chiseled cross.....	1, 523. 69
Rule, 4.2 mi. W. of, on S. side of steel bridge over Double Mountain Fork of Brazos River, on middle pier; chiseled cross.....	1, 526. 46
Double Mountain Fork of Brazos River; bottom of bed.....	1, 513. 0
Rule, 3.1 mi. W. of, 228 ft. SW. of house of Mrs. A. S. Thomas, 12 ft. N. of rd., in corner of pasture, in concrete post flush with ground; standard tablet stamped "M 29 1924".....	1, 571. 858
Rule, 3.1 mi. W. of, at Thomas residence, on top of E. side of cistern; chiseled cross.....	1, 577. 80
Rule, 36 ft. N. of NE. corner of city hall, at NE. pier of water supply foundation, in concrete; standard tablet stamped "M 30 1924" (recovered by U. S. C. & G. S. in 1934).....	1, 680. 869
Reference mark, 52 ft. W. of NW. corner of city hall, at NW. pier of water supply foundation, on concrete; chiseled cross.....	1, 680. 78
Rule, 1.5 mi. E. of, in S. shoulder of concrete culvert; standard tablet stamped "M 31 1924" ⁵⁷	1, 674. 160
Reference mark, 25 ft. N. of tablet, on top of N. shoulder of concrete culvert; chiseled mark.....	1, 672. 32
Rule, 5.3 mi. E. of, 5.5 mi. W. of Haskell, at junction of rd. N., in S. shoulder of concrete culvert; standard tablet stamped "M 32 1924".....	1, 649. 373
Reference mark, 30 ft. N. of tablet, on N. shoulder of concrete culvert; chiseled cross.....	1, 648. 92
Haskell, 2.1 mi. W. of, in top of N. abutment of culvert, 2.6 ft. below top of N. shoulder; standard tablet stamped "M 33 1924".....	1, 597. 645
Reference mark, 19 ft. S. of tablet, on top of S. shoulder of culvert; chiseled cross.....	1, 599. 91

From Haskell No. 4 quadrangle southwest along road near Wichita Valley Railway into Anson No. 2 quadrangle (by E. R. Martin in 1924-25)

Haskell, 7.1 mi. SW. of, 11.6 mi. NE. of Stamford, on E. side of rd., opposite small house with porch, in fence line, in concrete post flush with ground; standard tablet stamped "M 36 1924".....	1, 524. 567
Stamford, 8.8 mi. NE. of, at junction of Haskell-Stamford rd. and rd. to Post School, opposite service sta.; standard tablet stamped "M 37 1924".....	1, 493. 006

⁵⁷ In 1934 this bench mark was destroyed and a new tablet, stamped "M 31 Reset 1934," was set 400 feet east of the old location in base of head wall of culvert and at an elevation approximately 1.750 feet higher than the original. The figures given represent the new elevation. The new tablet was recovered by the U. S. Coast & Geodetic Survey in the same year.

484 SPIRIT LEVELING IN TEXAS—PART 4, NORTH-CENTRAL TEXAS

From Rule generally northeast about 6 miles along highway into Haskell No. 2 quadrangle (by W. R. Broaddus in 1925)

	<i>Feet</i>
Rule, 0.4 mi. N. and 0.8 mi. E. from, 50 ft. N. and 15 ft. W. from crossroads, in root of small plum tree; copper nail and washer.....	1, 671. 60
Rule, 1.4 mi. N. and 0.8 mi. E. from, 30 ft. S. and 20 ft. W. from junction of T-rd. E., in small mesquite tree; copper nail and washer..	1, 665. 73
Rule, 2.1 mi. N. and 1.0 mi. E. from, 0.3 mi. S. of crossing of Kansas City, Mexico & Orient Ry. ⁸⁸ and N.-S. rd., 30 ft. W. of rd., 90 ft. SE. of residence of O. O. Vernon, in fork of mesquite tree; copper nail and washer.....	1, 658. 07
Rule, 2.7 mi. N. and 1.2 mi. E. from, 18 ft. N. and 35 ft. W. from crossing of R. R. and E.-W. rd., 18 ft. N. and 26 ft. E. from crossroads, in concrete post; standard tablet stamped "B 25 1925" (recovered by E. R. Martin in same year; also recovered by U. S. C. & G. S. in 1933).....	1, 653. 087
Reference mark, 16 ft. N. and 57 ft. W. from crossroads, in fence line, in root on S. side of small mesquite tree; copper nail and washer....	1, 650. 53
Rule, 3.6 mi. N. and 1.6 mi. E. from, 220 ft. N. of intersection of R. R. and State Highway 51 (present State Highway 16), 25 ft. N. and 30 ft. E. from junction of T-rd. W., 4 ft. S. of power-line pole, 1.5 ft. from fence line; top of iron pipe.....	1, 645. 81

South, west, and northwest along roads east of Double Mountain Fork of Brazos River (by W. R. Broaddus in 1925)

[A jog from Haskell No. 2 quadrangle]

Rule, 4.8 mi. N. and 2.5 mi. W. from, 0.2 mi. S. of residence of Judge Mason, 15 ft. W. of crossroads, in small mesquite tree; copper nail and washer.....	1, 637. 49
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From Haskell No. 2 quadrangle at point near Haskell-Stonewall county line south along roads near county line to Sweet Home Church, thence east 0.3 mile and west 1.1 mile (by W. R. Broaddus in 1925)

Rule, 5.1 mi. W., thence 4.2 mi. N. from, 520 ft. SW. of residence of P. P. Simpson, on N. side of junction of rd. S., 4 ft. SW. of fence corner, in concrete post; standard tablet stamped "B 29 1925".....	1, 570. 260
Reference mark, 170 ft. S.25° E. of tablet, 70 ft. E. of N.-S. fence line, in root on N. side of 10-in. mesquite tree; copper nail and washer....	1, 573. 15
Rule, 5.1 mi. W., thence 3.7 mi. NW. from, 320 ft. S. of residence of E. W. Simpson, 45 ft. N. of rd., in large forked mesquite tree; copper nail and washer.....	1, 532. 21
Rule, 5.1 mi. W., thence 1.8 mi. N. from, 15 ft. N. and 20 ft. W. from angle in rd. on Haskell-Stonewall county line, 2 ft. S. of fence, in concrete post; standard tablet stamped "B 34 1925".....	1, 564. 307
Reference mark, 30 ft. N. and 30 ft. W. from rd. corner, in root on E. side of 8-in. mesquite tree; copper nail and washer.....	1, 566. 04
Rule, 5.1 mi. W., thence 1.0 mi. N. from, 280 ft. N. of turn in rd. from E. to S., in root on S. side of 12-in. mesquite tree; copper nail and washer.....	1, 556. 14
Rule, 5.1 mi. W. of, in front of Sweet Home Church, 220 ft. N. and 35 ft. W. from junction of E.-W. rd., in mesquite tree; copper nail and washer.....	1, 568. 36

⁸⁸ Now the Panhandle & Santa Fe Ry.

From road junction 1.5 miles east of Rule along roads south 4.2 miles, thence generally west along old Haskell-Aspermont road into Aspermont quadrangle (by W. R. Broadbuss in 1925)

Rule, 1.5 mi. E., thence 1.3 mi. S. from, 25 ft. SW. of crossroads, 1 ft. E. of corner fence post; top of pipe.....	<i>Feet</i> 1, 682. 71
Rule, 1.5 mi. E., thence 2.2 mi. S. from, 60 ft. NE. of crossroads, 1 ft. S. of corner fence post; top of iron pipe.....	1, 655. 36
Rule, 1.5 mi. E., thence 3.7 mi. S. from, 0.5 mi. N. of rd. junction and jog in N.-S. rd., 40 ft. N. and 18 ft. W. from junction of lane W. at SE. corner of farm of J. L. Carr, in concrete post; standard tablet stamped "B 30 1925".....	1, 620. 284
Reference mark, 26 ft. S. of tablet, 2 ft. NE. of fence corner; top of iron pipe.....	1, 619. 55
Rule, 4.2 mi. S. of, 700 ft. W. of junction of T-rd. N., 800 ft. E. of junction of T-rd. S., on top of N. end of W. abutment of steel bridge; chiseled square.....	1, 597. 08
Rule, 4.2 mi. S., thence 1.1 mi. W. from, on S. side of E.-W. rd., 5 ft. W. of private lane to residence of George Kitley, 1.5 ft. W. of fence corner; top of steel rod.....	1, 616. 48
Rule, 4.2 mi. S., thence 1.7 mi. W. from, 0.4 mi. S. of Tanner Paint School, 30 ft. N. and 15 ft. W. from junction of T-rd. E. and corner on highway, 2 ft. inside fence, in concrete post; standard tablet stamped "B 31 1925".....	1, 619. 010
Reference mark, 18 ft. N. and 15 ft. E. from rd. junction, 3 ft. NE. of fence corner; top of iron rod.....	1, 619. 05
Rule, 4.5 mi. S. and 2.9 mi. W. from, 0.5 mi. S. of Tanner Paint Cemetery, 30 ft. NE. of junction of N.-S. rd., 3.5 ft. NE. of fence corner; top of iron pipe.....	1, 615. 67
Rule, 4.0 mi. S. and 2.9 mi. W. from, 35 ft. N. and 30 ft. W. from junction of E.-W. rd. near Tanner Paint Cemetery, in small mesquite tree; copper nail and washer.....	1, 613. 11
Rule, 4.0 mi. S. and 3.4 mi. W. from, about 4 mi. N. of Sagerton, 150 ft. NE. of junction of T-rd. S., 90 ft. NW. of residence of F. C. Quade, in top of S. wall of concrete water tank; standard tablet stamped "B 32 1925".....	1, 570. 618
Reference mark, 154 ft. SE. of tablet, 20 ft. N. and 120 ft. E. from junction of T-rd., in root on N. side of 20-in. hackberry tree; copper nail and washer.....	1, 570. 44
Double Mountain Fork of Brazos River, at abandoned crossing; dry bed.....	1, 533. 6
Rule, 4.0 mi. S. and 4.4 mi. W. from, 0.3 mi. W. of Double Mountain Fork of Brazos River, 80 ft. NE. of residence of Newt Moore, in root on N. side of 8-in. mesquite tree; copper nail and washer....	1, 550. 93
Rule, 4.0 mi. S. and 5.7 mi. W. from, 3.5 mi. E. of Old Glory, 1.6 mi. W. of Double Mountain Fork of Brazos River, 33 ft. N. of junction of T-rd. S., in line with rd. S., 4 in. inside fence; top of iron rod.....	1, 601. 31
From Aspermont quadrangle southeast along Wichita Valley Railway to Sagerton, thence southwest along Kansas City, Mexico & Orient Railway into Hamlin quadrangle (by E. E. Harris in 1925)	
Old Glory, 3.8 mi. SE. of, 3.0 mi. NW. of Sagerton, at NE. corner of overhead crossing of State highway, in NE. corner of T-angle in R. R. right-of-way fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "H 266 1925" (recovered by U. S. C. & G. S. in 1935).....	1, 605. 820
South Fork of Brazos River, under trestle B-129-28; river bed (dry)...	1, 544. 0

486 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Sagerton, 0.6 mi. NW. of, in NW. corner of rd. crossing, on top of 24-in. drain pipe; chiseled square.....	Feet 1, 618. 54
Sagerton, about 0.5 mi. W. of K. C. M. & O. Ry. sta., 100 ft. E. of W. V. Ry. track, in NE. angle of crossroads, in L-angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "H 267 1925" (recovered by U. S. C. & G. S. in 1933 and 1935)---	1, 632. 795
Sagerton, in NW. corner of crossing of K. C. M. & O. and W. V. Rys., on SE. corner of concrete base of milepost B-126-65; chiseled square.....	1, 638. 62
Sagerton, 1.5 mi. SW. of, 200 ft. N. of milepost 590, on E. side of track, 30 ft. E. of fence line, in root on N. side of 10-in. mesquite tree; copper nail and washer.....	1, 654. 61
Sagerton, 2.6 mi. SW. of, 500 ft. S. of milepost 591, in NE. angle of farm rd. crossing, 8 ft. S. and 3 ft. E. from SE. corner of T-angle in fence line, in concrete post; standard tablet stamped "H 268 1925" (recovered by U. S. C. & G. S. in 1933).....	1, 633. 084
Sagerton, 3.5 mi. SW. of, 120 ft. N. of milepost 592, on E. side of track, on top of 24-in. drain pipe; chiseled square.....	1, 643. 74
Sagerton, 4.5 mi. SW. of, at milepost 593, on E. side of track, 10 ft. E. of fence line, in crotch of mesquite tree; copper nail and washer.....	1, 646. 59
Sagerton, 5.7 mi. SW. of, 1,050 ft. S. of milepost 594, on E. side of track, on E. side of rd., 15 ft. S. of crossroads, 2 ft. E. of fence line, in concrete post; standard tablet stamped "H 269 1925" (recovered by U. S. C. & G. S. in 1933).....	1, 640. 125

SANTO QUADRANGLE

[Latitude 32°30'-32°45'; longitude 98°00'-98°15']

ERATH, HOOD, PALO PINTO, AND PARKER COUNTIES

From Mineral Wells quadrangle southwest along Texas & Pacific Railway 2.4 miles (by E. O. Brooks in 1923; releveled by C. E. Walker in same year)

Millsap, 1.0 mi. SW. of, 7 ft. S. of track near E. end of S-curve, 5 ft. S. and 4 ft. W. from SW. corner of short trestle over small drain, on large rock; chiseled square.....	785. 76
Millsap, 2.1 mi. SW. of, 2 ft. N. of NW. corner of trestle 292-B, in center of top of large timber abutment; iron pin.....	757. 26
Millsap, 2.1 mi. SW. of, 2 ft. S. of SW. corner of trestle, in center of top of large timber abutment; copper nail and washer.....	757. 42
U. S. C. & G. S. copper bolt designated "Z 10".....	753. 998

From point on Texas & Pacific Railway 2.1 miles southwest of Millsap north-west along roads into Mineral Wells quadrangle at point near Palo Pinto-Parker county line (by E. O. Brooks in 1923; releveled by C. E. Walker in same year)

Millsap, 2.1 mi. SW., thence 1.0 mi. N. from, about 0.5 mi. S. of F. F. highway, on left bank of small drain, at crossing, at S. track of private rd., on large rock; chiseled square.....	774. 08
Millsap, 2.5 mi. along F. F. F. highway SW. of, at steel bridge over Rock Creek, at NW. corner of concrete approach, on top of concrete base of railing; chiseled square.....	773. 63

Along road south of Barber Mountain (by C. E. Walker in 1923)

[A jog from Mineral Wells quadrangle]

Palo Pinto, 7.8 mi. SE. of, on rd. to Oakes Crossing of Brazos River, about 0.5 mi. W. of triangulation sta. on Barber Mountain, 0.3 mi. W. of ranch house of Fritz Moore, 39 ft. N. of center line of rd., 30 ft. W. of bank of small stream; iron post stamped "WA 2 Tex 1923"	Feet 846. 878
Reference mark, 30 ft. S. of center line of rd., at small drain, in root on NW. side of 14-in. blazed oak tree; copper nail and washer	845. 21
Palo Pinto, 6.7 mi. SE. of, 0.2 mi. E. of ranch house of Elliot Moore, 35 ft. N. of center line of rd., near small drain, in field, in root on S. side of blazed leaning mesquite tree; copper nail and washer	833. 61
From Mineral Wells quadrangle at point 4.8 miles south of Mineral Wells generally south along roads to Brazos, thence southwest along Texas & Pacific Railway to point 0.7 mile northeast of Santo (by W. A. Shumate in 1924)	
Mineral Wells, 5.3 mi. S. of, on E. side of rd., 100 ft. W. of house of R. G. Holland, in root on W. side of 15-in. oak tree; copper nail and washer	1, 010. 87
Mineral Wells, 6.1 mi. S. of, on W. side of rd., 120 ft. S. of junction of T-rd. W., in root of 18-in. oak tree; copper nail and washer	1, 045. 43
Mineral Wells, 6.1 mi. S. and 0.5 mi. W. from, in SW. angle of junction of T-rd. S., in fence corner, in concrete post; standard tablet stamped "S 13 1924" ⁵⁹	1, 026. 024
Reference mark, in SE. angle of junction of T-rd. S., in root of 30-in. oak tree; copper nail and washer	1, 024. 30
Mineral Wells, 7.2 mi. S. and 0.5 mi. W. from, in NE. angle of junction of T-rd. N., in root of 30-in. oak tree; copper nail and washer	1, 070. 16
Mineral Wells, 7.2 mi. S. and 1.4 mi. W. from, 1.6 mi. NE. of Park store, 900 ft. S. of Fairview Baptist Church, on E. side of rd., 2 ft. E. of right-of-way fence, in concrete post; standard tablet stamped "S 14 1924"	1, 065. 970
Reference mark, 900 ft. S. of church, on E. side of rd., 2 ft. W. of E. right-of-way fence, on rock outcrop; chiseled square	1, 064. 58
Park store, 0.8 mi. N. of, on W. side of rd., in NW. angle of junction of private rd. W., in root of 12-in. oak tree; copper nail and washer	1, 092. 09
Park store, 40 ft. E. of, on S. side of rd., in root of 12-in. oak tree; copper nail and washer	1, 098. 14
Park store, 1.0 mi. SE. of, 2.3 mi. NE. of Brazos, 40 ft. S. of small bridge, on W. side of rd., 200 ft. N. of junction of private rd. E., in root on W. side of 60-in. elm tree; copper nail and washer	766. 97
Brazos, 1.7 mi. NE. of, on E. side of rd. S., in line with rd. W., 700 ft. E. of farmhouse, 3 ft. S. and 10 ft. W. from fence corner, in concrete post; standard tablet stamped "S 15 1924"	805. 120
Reference mark, in SW. angle of bend W. in rd., 2 ft. E. of fence corner, on rock outcrop; chiseled square	805. 16
Brazos, 0.6 mi. E. of, on S. side of Texas & Pacific Ry. track, at W. end of iron bridge over Brazos River, on S. end of concrete retaining wall; chiseled square	781. 33
U. S. C. & G. S. B. M. designated "D 11"	806. 436
Brazos, 0.5 mi. SW. of, 30 ft. S. of track, on W. side of rd., on rock outcrop; chiseled square	791. 64

⁵⁹ In 1937 this bench mark was reported destroyed.

488 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Brazos, 1.1 mi. SW. of, 350 ft. E. of milepost 302, on N. side of track, on concrete culvert; chiseled square.....	Feet 794. 65
Brazos, 2.1 mi. SW. of, 80 ft. E. of milepost 303, on N. side of track, on E. end of concrete culvert; chiseled square.....	805. 16
Brazos, 3.4 mi. SW. of, 80 ft. NW. of corner of iron bridge 304.5 over Palo Pinto Creek, 10 ft. S. of N. right-of-way fence, in concrete post; standard tablet stamped "S 16 1924".....	786. 315
Reference mark, on W. end of bridge, on N. side of track, on E. end of concrete retaining wall; chiseled square.....	789. 44
U. S. C. & G. S. copper bolt designated "F 11".....	805. 028

From Mineral Wells quadrangle south and west along roads by way of Village Bend School into Palo Pinto No. 3 quadrangle at point 0.8 mile west of New Hope School (by C. E. Walker and W. A. Shumate in 1924)

Village Bend School, 1.0 mi. N. of, near Brazos River, 30 ft. W. of center line of rd., 50 ft. S. of junction of private T-rd. E., at farmhouse of Albert Williams, about 200 ft. SE. of inside fence, in connecting root between two 24-in. live-oak trees; copper nail and washer.....	824. 90
Brazos River, at Village Bend Crossing; surface of water Feb. 1, 1924..	775. 3
Village Bend School, 300 ft. NE. of, 700 ft. S. of farmhouse of J. H. Gayler, 50 ft. E. of center line of rd., in root on NW. side of 36-in. live-oak tree; copper nail and washer.....	826. 68
Village Bend School, 1.3 mi. S. of, on S. side of Blackjack Crossing of Brazos River, 40 ft. S. of junction of rd. E., 90 ft. E. of junction of rd. S., in rock in place; standard tablet stamped "WA 12 Tex 1924".....	812. 448
Reference mark, at Blackjack Crossing, 200 ft. S. of river bank, in root on N. side of 5-in. blazed elm tree; copper nail and washer.....	806. 62
Village Bend School, 2.4 mi. S. of, 0.7 mi. NE. of New Hope School, on W. side of rd., in line with rd. SW., in root of 12-in. oak tree; copper nail and washer.....	921. 14
Village Bend School, 3.2 mi. SW. of, 220 ft. W. of house of L. F. Ballinger, on W. side of rd., in line with rd. W., in root of 18-in. oak tree; copper nail and washer.....	888. 35
Village Bend School, 3.8 mi. SW. of, 0.7 mi. W. of New Hope School, on N. side of rd., 50 ft. W. of junction of private lane N., on rock outcrop; chiseled square.....	878. 49

From Palo Pinto No. 3 quadrangle at point 3.4 miles northwest of Santo along roads southeast to Santo (by W. A. Shumate in 1924)

Lone Camp, 4.0 mi. SE. of, 3.0 mi. NW. of Santo, 60 ft. N. of Palo Pinto Creek, on W. side of rd., 2 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "S 12 1924".....	820. 233
Reference mark, on E. side of rd., 15 ft. N. of iron culvert, on rock outcrop; chiseled square.....	819. 60
Santo, 2.1 mi. NW. of, on E. side of rd., 60 ft. SE. of house of W. E. Daniels, 220 ft. S. of junction of T-rd. W., in root on E. side of 36-in. tree; copper nail and washer.....	842. 41
Santo, 1.7 mi. NW. of, at iron bridge over Palo Pinto Creek, on NW. concrete pillar; chiseled square.....	821. 70
Santo, 0.9 mi. NW. of, on W. side of rd., 180 ft. S. of junction of private rd. E., on rock outcrop; chiseled square.....	892. 59
U. S. C. & G. S. B. M. designated "G 11".....	822. 495

SEGOVIA NO. 1 QUADRANGLE

[Latitude 30°15'-30°30'; longitude 99°30'-99°45']

KERR AND KIMBLE COUNTIES

From Kerrville No. 2 quadrangle at point about 20 miles west of Harper along roads generally northwest into Junction quadrangle at point 3.6 miles south-east of Junction (by Crawford Dickey in 1924; releveled by E. E. Harris in 1925)

Harper, 20.1 mi. W. of, about 0.25 mi. N. of mail box of Live Oak ranch, on N. side of Junction-Kerrville rd., at summit of hill, in root of 8-in. oak tree; copper nail and washer-----	Feet 2, 224. 42
Harper, 21.2 mi. W. of, 25.6 mi. SE. of Junction, along O. S. trail, on E. side of rd., in root of 16-in. oak tree, wire fence attached; copper nail and washer-----	2, 142. 88
Junction, 24.3 mi. SE. of, on N. side of angle in rd., at summit of hill, in rock ledge; standard tablet stamped "D 14 1924"-----	2, 206. 993
Reference mark, 6.6 ft. N.60°E. of tablet, on rock; chiseled square....	2, 206. 92
Junction, 22.7 mi. SE. of, about 1,000 ft. SE. of white house, 250 ft. SW. of small house on E. side of rd., 10 ft. E. of wire fence, in root of 6-in. oak tree; copper nail and washer-----	2, 045. 26
Junction, 21.2 mi. SE. of, at small drain, in E. end of small concrete bridge; standard tablet stamped "D 15 1924"-----	2, 043. 978
Reference mark, 4 ft. S.40°E. of tablet, on bridge; chiseled square....	2, 043. 97
Junction, 20.0 mi. SE. of, 150 ft. N. of junction of T-rd. W. through gate, on E. side of Junction-Kerrville rd., in root of 6-in. oak tree; copper nail and washer-----	2, 147. 11
Junction, 19.1 mi. SE. of, on W. side of angle in rd., on rock ledge; chiseled square-----	2, 051. 41
Junction, 18.0 mi. SE. of, 150 ft. W. of angle in rd., 50 ft. N. of rd., in old roadway, in limestone ledge; standard tablet stamped "D 16 1924"-----	1, 977. 775
Reference mark, 9 ft. N.25°E. of tablet, on rock; chiseled square....	1, 977. 96
Junction, 17.0 mi. SE. of, 600 ft. W. of old schoolhouse, on S. side of old Junction-Kerrville rd., 100 ft. S. of dry creek, on limestone ledge; chiseled square-----	1, 912. 94
Junction, 16.0 mi. SE. of, 4.0 mi. S. of Segovia, 200 ft. NW. of residence of P. J. Rambold, 20 ft. E. of gate, in root of 8-in. pecan tree; copper nail and washer-----	1, 829. 67
Junction, 17.0 mi. SE. of, about 1.2 mi. S. of Rambold residence, on S. side of Johnson Fork, at junction of second-class rd., on S. side of rd., in rock ledge; standard tablet stamped "D 17 1924"-----	1, 842. 625
Reference mark, 1.6 ft. N. of tablet, on rock ledge; chiseled square....	1, 842. 50
Segovia, about 6 mi. S. of, 2.2 mi. S. of Rambold residence, 0.8 mi. W. of Johnson Fork, on N. side of rd., on ridge; on limestone ledge; chiseled square-----	2, 022. 48
Segovia, about 5 mi. S. of, 5.7 mi. S. of Beasley ranch house, 2,000 ft. SE. of ranch house, on S. side of rd., in root of 16-in. oak tree; copper nail and washer-----	2, 049. 24
Beasley ranch house, 4.5 mi. SE. of, 1.0 mi. N. of Williams ranch house, 6 ft. E. of rd., in limestone ledge; standard tablet stamped "D 18 1924"-----	2, 159. 350
Reference mark, 18.3 ft. S.10°E. of tablet, on rock; chiseled square....	2, 158. 72
Beasley ranch house, 3.3 mi. SE. of, about 1,500 ft. W. of gate, 500 ft. W. of windmill, in drain, 5 ft. N. of rd., on rock; chiseled square....	2, 157. 86

	<i>Feet</i>
Beasley ranch house, 2.2 mi. SE. of, 30 ft. E. of rd., in old roadway, on rock; chiseled square-----	2, 134. 03
Beasley ranch house, 0.8 mi. SE. of, 50 ft. E. of gate, 20 ft. N. of rd., in concrete post; standard tablet stamped "D 19 1924"-----	2, 131. 855
Reference mark, 17.1 ft. S.40°E. of tablet, on rock; chiseled square---	2, 130. 52
Beasley ranch house, 300 ft. W. of, 300 ft. SE. of windmill, on S. side of rd., in root of 8-in. oak tree; copper nail and washer-----	2, 067. 58
Beasley ranch house, 1.1 mi. NW. of, 8.6 mi. SE. of Junction, 100 ft. S. of drain, 10 ft. N. of rd., in root of 8-in. twin mesquite tree; copper nail and washer-----	2, 044. 87
Junction, 7.6 mi. SE. of, 2,000 ft. N. of gate, on N. side of rd., in concrete post; standard tablet stamped "D 20 1924"-----	2, 101. 265
Reference mark, 18.9 ft. N.40°W. of tablet, on rock; chiseled square--	2, 100. 67
Junction, 6.4 mi. SE. of, 3 ft. W. of rd., on limestone ledge; chiseled square-----	2, 038. 33
Junction, 5.4 mi. SE. of, 490 ft. W. of gate, 3 ft. N. of rd., 15 ft. N. of wire fence, in root of 10-in. cedar tree; copper nail and washer-----	2, 015. 57
Junction, 4.5 mi. SE. of, 50 ft. S. of second crossing of Cedar Creek above river, 4 ft. S. of fence corner, in concrete post; standard tablet stamped "D 21 1924"-----	1, 814. 903
Reference mark, 5.7 ft. N.20°W. of tablet, in root of 6-in. mesquite tree; copper nail and washer-----	1, 814. 47

From Menard No. 4 quadrangle along roads southwest across northwest corner of quadrangle into Junction quadrangle at point 1.2 miles northeast of Junction (by E. E. Harris in 1924)

Junction, 2.1 mi. NE. of, in NW. corner of junction of Junction-Mason and Junction-Kerrville rds., in angle in fence line, 4 ft. from each fence, in concrete post; standard tablet stamped "H 107 1924" and "Prim Trav Sta No 31 T 1925" (recovered by U. S. C. & G. S. in 1935) ⁶⁰ -----	1, 663. 754
Reference mark, 161 ft. S.80°W. of tablet, in row of three pecan trees, in root on S. side of middle tree; copper nail and washer-----	1, 661. 46
Junction, 1.4 mi. NE. of, on S. side of angle in rd., at junction of rd. N., in root on E. side of 10-in. mesquite tree; copper nail and washer---	1, 696. 60

SEGOVIA NO. 3 QUADRANGLE

[Latitude 30°00'-30°15'; longitude 99°45'-100°00']

EDWARDS, KERR, AND REAL COUNTIES

From Rock Springs No. 4 quadrangle northeast along Rocksprings-Junction road across northwest corner of quadrangle into Junction quadrangle (by E. E. Harris in 1924-25)

Telegraph, 10.5 mi. SW. of, on S. side of rd., at creek crossing, in SE. corner of concrete spillway; standard tablet stamped "H 86 1924" and "Prim Trav Sta No 17 Texas 1925" (recovered by U. S. C. & G. S. in 1931)-----	1, 949. 668
Reference mark, 142.7 ft. S.50°W. of tablet, on top of parapet of concrete culvert; chiseled square-----	1, 957. 28
Telegraph, 9.5 mi. SW. of, at bottom of grade, 30 ft. E. of rd. fork, on S. side of rd., in center of top of parapet of concrete culvert; chiseled square (recovered by U. S. C. & G. S. in 1931)-----	1, 946. 853
Telegraph, 8.4 mi. SW. of, on S. side of angle in rd., 100 ft. W. of ford, in root on N. side of 36-in. pecan tree; copper nail and washer-----	1, 919. 21

⁶⁰ In 1938 this bench mark was reported destroyed.

Telegraph, 7.6 mi. SW. of, 30 ft. W. of rd., 2 ft. N. of fence line crossing rd., in concrete post; standard tablet stamped "H 87 1924" and "Prim Trav Sta No 16 Texas 1925" (recovered by U. S. C. & G. S. in 1931)-----	Feet 1, 917. 043
Reference mark, 56.3 ft. S.30°W. of tablet, in root on W. side of 10-in. cedar tree; copper nail and washer-----	1, 917. 67

SEYMOUR NO. 1 QUADRANGLE

[Latitude 33°45'-34°00'; longitude 99°00'-99°15']

BAYLOR AND WILBARGER COUNTIES

From Mankins quadrangle at point 5.4 miles southwest of Electra along roads southwest and northwest by way of Boogertown to South Vernon oil field, thence southeast into Seymour No. 4 quadrangle at point near Lake Kemp (by C. E. Walker in 1926)

Electra, 5.7 mi. SW. of, about 5.5 mi. S. of Harrold, 700 ft. W. of junction of T-rd. N., at bend in rd., 270 ft. N. of cattle guard, 10 ft. W. of fence corner, in E.-W. fence line; top of section stone-----	1, 164. 10
Electra, 6.8 mi. SW. of, 1,000 ft. SE. of ranch house, 70 ft. N. of cattle guard, in pasture, 5 ft. W. of fence corner, in fence line; top of 1-in. pipe-----	1, 109. 24
Electra, 7.6 mi. SW. of, about 0.5 mi. SE. of oil well, 0.8 mi. SW. of farmhouse, 10 ft. NW. of NW. corner of corral, 100 ft. S. of rd., in concrete post; standard tablet stamped "WA 60 Tex 1926"-----	1, 117. 271
Reference mark, at N. corner of corral, on S. side of rd., in mesquite tree; copper nail and washer-----	1, 116. 07
Electra, 8.9 mi. SW. of, 30 ft. S. of cattle guard, 80 ft. S. of telephone line, in N.-S. fence line; top of 1½-in. pipe-----	1, 109. 46
Electra, 10.1 mi. SW. of, at pumping sta. at Beaver Creek dam, 30 ft. S. of E. end of dam, in E. wing wall; standard tablet stamped "WA 61 Tex 1926"-----	1, 054. 486
Electra, 11.5 mi. SW. of, at summit of hill, 50 ft. N. of rd., surrounded by rock cairn and projecting 2 ft. above ground; top of 1½-in. pipe--	1, 152. 72
Electra, 12.7 mi. SW. of, 1,300 ft. SE. of abandoned oil well, at summit of hill, 30 ft. S. of rd., in concrete post; standard tablet stamped "WA 62 Tex 1926"-----	1, 208. 322
Reference mark, on S. side of rd., surrounded by cairn and projecting 6 in. above ground; top of ½-in. iron rod-----	1, 208. 28
Electra, 13.6 mi. SW. of, 600 ft. E. of old oil well, on E. bank of creek, in W. side of 14-in. ash tree; copper nail and washer-----	1, 118. 48
Electra, 14.4 mi. SW. of, 1.4 mi. SE. of Rock Crossing of Rocky Creek, at abandoned oil well, 120 ft. S. of well hole, at summit of small hill, 50 ft. E. of rd., in concrete post; standard tablet stamped "WA 63 Tex 1926"-----	1, 146. 355
Reference mark, 150 ft. SW. of abandoned well, 30 ft. W. of rd., projecting 1 ft. above ground; top of 1½-in. rod-----	1, 142. 42
Rock Crossing of Rocky Creek, 0.6 mi. SE. of, about 2 mi. S. of E. edge of Rock Crossing oil field, on W. bank of creek, in W. side of 36-in. cottonwood tree; copper nail and washer-----	1, 092. 21
Rock Crossing of Rocky Creek, 0.5 mi. SE. of oil field, at E. end of concrete dam, on concrete retaining wall; chiseled square-----	1, 107. 23
Rock Crossing oil field, at Waggoner refinery, in W. corner of concrete base of storage tanks; standard tablet stamped "WA 64 Tex 1926"-----	1, 181. 876
Reference mark, at Waggoner refinery, on N. corner of tank base; chiseled square-----	1, 181. 84

Rock Crossing oil field, 2.0 mi. E. of main rd. from Vernon to Lake Kemp, 40 ft. E. of fence line crossing; top of 2-in. pipe used as section corner.....	F 1, 154. 00
Rock Crossing oil field, at entrance to, about 13 mi. S. of Vernon, 65 ft. SE. of crossing of second-class rd., on E. side of rd., 40 ft. S. of cattle guard, in concrete post; standard tablet stamped "WA 65 Tex 1926".....	1, 188. 058
Reference mark, 22 ft. S. of crossroads, 28 ft. SW. of cattle guard, on SW. side of old cattle guard; top of rock.....	1, 187. 91
Vernon, about 12 mi. S. of, at angle in rd., in fence corner, 4 ft. inside fence, projecting 1 ft. above ground; top of 1-in. pipe.....	1, 168. 15
Vernon, about 11.5 mi. S. of, 0.5 mi. S. of Boogertown, 60 ft. W. of rd., 35 ft. S. of fence corner, 2 ft. E. of fence line; top of 1-in. pipe..	1, 210. 66
Boogertown, 60 ft. NE. of crossroads at, about 11 mi. S. of Vernon, on E. side of rd., 70 ft. N. of cattle guard, in fence line, in concrete post; standard tablet stamped "WA 66 Tex 1926".....	1, 212. 577
Reference mark, in SW. angle of crossroads, at service sta. of J. H. Moody, on W. corner of concrete base; chiseled square.....	1, 213. 53

[Line jogs into Seymour No. 2 quadrangle]

Rock Crossing oil field, about 4 mi. W. of, about 1.3 mi. NW. of Waggoner ranch house, 200 ft. E. of well No. 1, Walker, Smith & Brady lease, 115 ft. SE. of gate on small hill; top of 1½-in. pipe.....	1, 198. 82
Waggoner ranch house, about 0.5 mi. E. of, 0.6 mi. N. of bridge over Beaver Creek, 30 ft. S. and 25 ft. W. from junction of rd. W., in fence line; top of twisted 1-in. bar.....	1, 134. 37
Beaver Creek bridge, at NW. pier, on steel cap; top of N. anchor bolt..	1, 133. 70
Beaver Creek; surface of water Apr. 27, 1926.....	1, 122. 7
Beaver Creek bridge, 0.4 mi. S. of, on W. side of Lake Kemp rd., 60 ft. W. of pasture gate, in fence line, in concrete post; standard tablet stamped "WA 69 Tex 1926" (recovered by U. S. C. & G. S. in 1934)..	1, 140. 552
Beaver Creek bridge, 1.4 mi. SE. of, at summit of hill, 30 ft. E. of center line of rd., in fence line; top of iron bar surmounted by ring.....	1, 213. 35
Beaver Creek bridge, 2.9 mi. SE. of, at summit of hill, on W. side of rd., 15 ft. S. of pasture gate, in fence line, in concrete post; standard tablet stamped "WA 70 Tex 1926" (recovered by U. S. C. & G. S. in 1934).....	1, 265. 004
Reference mark, 105 ft. SW. of rd., 423 ft. S. of gate, on N. side of cistern curb; chiseled square.....	1, 264. 05
Beaver Creek bridge, 3.6 mi. SE. of, 150 ft. S. of junction of T-rd. E., 30 ft. SW. of rd., in fence line; top of 2-in. iron pipe.....	1, 220. 72
Beaver Creek bridge, 4.8 mi. SE. of, 17.7 mi. NW. of Mabelle, at small store, 25 ft. E. of junction of T-rd. W., on E. side of rd., in fence corner, in concrete post; standard tablet stamped "WA 71 Tex 1926" (recovered by U. S. C. & G. S. in 1934).....	1, 198. 252
Reference mark, 75 ft. E. of store, 40 ft. NE. of rd. junction, on E. side of rd., 32 ft. N. of fence corner, in N. side of 4-in. mesquite tree; copper nail and washer.....	1, 198. 46
Mabelle, 16.5 mi. NW. of, at Mack School, on SW. corner of bottom step; chiseled square.....	1, 234. 90
Mabelle, 15.4 mi. NW. of, on W. side of rd., at T-fence E., 48 ft. W. of fence corner, in fence line, in concrete post; standard tablet stamped "WA 72 Tex 1926" (recovered by U. S. C. & G. S. in 1934).....	1, 254. 492
Reference mark, on W. side of rd., 50 ft. W. of fence corner on E. side of rd., 1 ft. inside fence line; top of 1-in. iron bar.....	1, 254. 95

Mabelle, 13.1 mi. NW. of, at Baylor-Wilbarger county line, on E. side of rd., in concrete county-line post; standard tablet stamped "WA 73 Tex 1926"-----	Feet 1, 261. 056
Reference mark, 18 ft. N. of tablet, on E. side of rd., in fence line; top of 1-in. pipe-----	1, 257. 40
Mabelle, 12.0 mi. NW. of, on W. side of rd., at T-fence W., 2 ft. S. of fence corner; top of 2-in. pipe-----	1, 208. 15
Mabelle, 10.0 mi. NW. of, at Waggoner service sta., 32 ft. S. of tank, 18 ft. S. and 30 ft. W. from junction of private T-rd. W., in fence line, in concrete post; standard tablet stamped "WA 74 Tex 1926"-----	1, 216. 210
Reference mark, on NW. corner of concrete base of tank; chiseled square-----	1, 216. 11
Mabelle, 8.8 mi. N. of, 1.8 mi. NW. of gatehouse at Lake Kemp dam, at summit of hill, on W. side of rd., 60 ft. SW. of fence corner, in fence line; top of 2-in. pipe-----	1, 217. 84
Mabelle, 8.1 mi. N. of, at Lake Kemp dam, at N. end of spillway, on concrete wing wall; chiseled square (recovered by U. S. C. & G. S. in 1934)-----	1, 167. 672
Mabelle, 7.1 mi. N. of, at gatehouse at Lake Kemp dam, 12 ft. W. of center line of rd., in S. end of concrete step; standard tablet stamped "WA 75 Tex 1926" (recovered by U. S. C. & G. S. in 1934)-----	1, 166. 545
Reference mark, at gatehouse, on N. end of concrete step; chiseled square-----	1, 166. 92

SEYMOUR NO. 2 QUADRANGLE

[Latitude 33°45'-34°00'; longitude 99°15'-09°30']

BAYLOR, FOARD, KNOX, AND WILBARGER COUNTIES

Along roads northwest, south, and southeast near South Vernon oil field (by C. E. Walker in 1926)

[A jog from Seymour No. 1 quadrangle]

Vernon, about 9.5 mi. S. of, at E. edge of South Vernon oil field, 200 ft. SE. of junction of T-rd. N., on NW. curb of concrete well top; chiseled square-----	1, 241. 61
South Vernon oil field, at NW. corner of, 48 ft. S. and 36 ft. E. from crossroads, in concrete post; standard tablet stamped "WA 67 Tex 1926"-----	1, 264. 799
Reference mark, 40 ft. W. of crossroads, in N. side of 6-in. mesquite tree, about 18 in. above ground; copper nail and washer-----	1, 266. 80
South Vernon oil field, 1.0 mi. S. of W. edge of, 300 ft. SW. of farmhouse of S. A. Dill, 24 ft. E. of center line of rd., 3 ft. S. of fence corner, projecting 8 in. above ground; top of ½-in. pipe-----	1, 231. 61
South Vernon oil field, 2.0 mi. S. of W. edge of, 250 ft. SW. of farmhouse of M. J. George, 30 ft. W. of center line of rd., 1 ft. inside fence line, projecting 1 in. above ground; top of 2-in. pipe-----	1, 241. 19
South Vernon oil field, about 2.8 mi. S. of, 50 ft. NE. of crossing of second-class rd., 45 ft. NW. of cattle guard, in fence line, in concrete post; standard tablet stamped "WA 68 Tex 1926"-----	1, 231. 759
Reference mark, 60 ft. SE. of crossroads, 50 ft. S. of cattle guard, in fence line; top of 1½-in. pipe-----	1, 229. 61
South Vernon oil field, 2.8 mi. S., thence 1.0 mi. E. from W. edge of, 2.7 mi. NW. of Waggoner ranch house, 200 ft. E. of NE. corner of Sigler Supply Yard, in line with telephone poles, surrounded by rocks; top of 1½-in. pipe-----	1, 255. 14

SEYMOUR NO. 4 QUADRANGLE

[Latitude 33°30'–33°45'; longitude 99°00'–99°15']

BAYLOR COUNTY

From Seymour No. 1 quadrangle at point near east end of Lake Kemp south and southeast along roads by way of Mabelle into Throckmorton No. 1 quadrangle (by C. E. Walker in 1928)

Mabelle, 4.4 mi. N. of, 2.6 mi. S. of gatehouse at Lake Kemp dam, 1,000 ft. N. of small angle in rd., 870 ft. N. of bridge, 500 ft. S. of Alkali Flat, on summit of small hill, on W. side of rd., in fence line, in concrete post; standard tablet stamped "WA 76 Tex 1926" (recovered by U. S. C. & G. S. in 1934)-----	Feet 1, 242. 945
Mabelle, 2.7 mi. N. of, about 0.5 mi. SE. of S. end of Big Moonshine slough, 30 ft. S. of rd., at right-angle turn, 5 ft. inside fence line, in concrete post; standard tablet stamped "WA 77 Tex 1926"---	1, 328. 575
Mabelle, about 600 ft. NW. of Wichita Valley Ry. sta., 30 ft. S. and 40 ft. W. from crossroads, in fence corner, in concrete post; standard tablet stamped "78 WA Tex 1926" (recovered by U. S. C. & G. S. in 1934)-----	1, 269. 099
Reference mark, about 500 ft. NW. of sta., 100 ft. S. of crossroads, on NW. side of well curb; chiseled square-----	1, 271. 36
Mabelle, 2.3 mi. S. of, 30 ft. SW. of SW. corner of farmhouse, 20 ft. E. of rd., in fence corner, in concrete post; standard tablet stamped "WA 79 Tex 1926"-----	1, 327. 291
Reference mark, on E. side of farmhouse, 80 ft. E. of rd., 60 ft. NE. of gate, on E. side of concrete well curb; chiseled square-----	1, 326. 92
Mabelle, 3.3 mi. S. of, 25 ft. W. of rd., 10 ft. N. of gate opposite fence corner, in fence line; top of 2-in. angle iron-----	1, 342. 34
Mabelle, 4.0 mi. S. of, 45 ft. N. and 50 ft. W. from junction of T-rd. N., at corner fence post, in concrete post; standard tablet stamped "WA 80 Tex 1926"-----	1, 358. 205
Mabelle, 4.0 mi. S., thence 1.0 mi. E. from, 3.0 mi. N. and 2.0 mi. W. from Rendham, 26 ft. N. and 20 ft. E. from junction of T-rd. S., in fence corner; top of 2-in. angle iron-----	1, 285. 65
Rendham, 3.0 mi. N. and 1.0 mi. W. from, 25 ft. N. and 40 ft. W. from crossroads, opposite cotton gin, in fence corner, in concrete post; standard tablet stamped "WA 81 Tex 1926"-----	1, 327. 291
Reference mark, 150 ft. S. and 100 ft. W. from crossroads, on E. side of cotton gin, on N. side of concrete well curb; chiseled square-----	1, 327. 22
Rendham, 3.0 mi. N. of, 60 ft. S. and 220 ft. W. from crossroads, 40 ft. W. of NW. corner of England School, on concrete foundation offset; chiseled square-----	1, 320. 52
Rendham, 2.0 mi. N. of, 18 ft. E. of junction of dim T-rd. W., in fence corner, in concrete post; standard tablet stamped "WA 82 Tex 1926"-----	1, 324 105
Reference mark, 16 ft. E. of crossroads, 10 ft. S. of fence corner, in fence line; top of 1½-in. pipe-----	1, 324. 39
Rendham, 1.0 mi. N. of, 36 ft. E. of N.-S. rd., in line with T-rd. W., 82 ft. S. of S. side of farmhouse, in fence corner, projecting 1 ft. above ground; top of 1½-in. pipe-----	1, 348. 84
Grand Trunk & Western R. R. track; top of S. rail-----	1, 348. 0
Rendham, about 0.5 mi. W. of, on W. side of rd., in line with T-rd. E., 20 ft. S. of fence corner, in concrete post; standard tablet stamped "WA 83 Tex 1926" (recovered by U. S. C. & G. S. in 1933)-----	1, 354. 449
Reference mark, 65 ft. S. and 34 ft. E. from rd. junction, in fence corner; top of 1½-in. pipe-----	1, 355. 40

Rendham, 1.0 mi. S. of, on E. side of rd., in line with T-rd. W., in fence corner; top of 2-in. pipe-----	<i>Feet</i> 1, 377. 19
Rendham, 1.8 mi. S. of, about 0.5 mi. N. of bend in rd., 20 ft. N. and 30 ft. E. from junction of T-rd. E., at fence corner, in concrete post; standard tablet stamped "WA 84 Tex 1926"-----	1, 355. 724
Rendham, 2.0 mi. S. and 0.5 mi. E. from, 100 ft. E. of junction of T-rd. S., at NW. corner of bridge, on concrete foundation; chiseled square-----	1, 264. 25

SPICEWOOD QUADRANGLE

[Latitude 30°15'-30°30'; longitude 98°00'-98°15']

BLANCO, BURNET, HAYS, AND TRAVIS COUNTIES

From Mount Bonnell quadrangle along Bee Caves-Round Mountain road west to Austin-Round Mountain road, thence northwest into Blanco No. 2 quadrangle at point near Cypress Mill (by Thomas Winsor in 1898)

Bee Caves, 3.1 mi. W. of, on S. side of rd., at bend from NE. to W., 13 ft. W. of corner fence post; iron post stamped "1193 SA"-----	1, 185. 145
Bee Caves, 6.1 mi. W. of, on E. side of rd., at corner of stone wall, 10 ft. N. of twin elm trees; iron post stamped "1120 SA"-----	1; 112. 285
Bee Caves, 9.0 mi. NW. of, 13.25 mi. SE. of Cypress Mill, at junction of settlement rd. S.; iron post stamped "1321 SA"-----	1, 313. 282
Cypress Mill, 10.25 mi. SE. of, on NE. side of rd., in 24- by 48-in. limestone outcrop; standard tablet stamped "921 SA"-----	913. 766
Cypress Mill, 8.0 mi. SE. of, on W. bank of Pedernales River, on N. side of rd., 21 ft. S. of picket fence corner, in limestone outcrop; standard tablet stamped "815 SA"-----	807. 652
Cypress Mill, 5.2 mi. SE. of, 300 ft. W. of farmhouse, on N. side of rd., 3 ft. N. of cedar post at angle of fence; iron post stamped "928 SA"-----	920. 617
Cypress Mill, 2.5 mi. SE. of, at junction of settlement rd. SW.; iron post stamped "964 SA"-----	956. 758
Cypress Mill, 250 ft. NE. of post office, 100 ft. S. of Cypress Creek, on W. side of rd., in 48-in. limestone rock; standard tablet stamped "976 SA"-----	968. 397

From Mount Bonnell quadrangle west along road 1 mile to point 3.1 miles west of Bee Caves (by E. E. Harris in 1930)

Bee Caves, 2.6 mi. W. of, on N. bank of angle in rd., in fork of live-oak tree; copper nail and washer-----	1, 140. 90
From Mount Bonnell quadrangle at point 2.5 miles northwest of Bee Caves along roads northwest into Bertram quadrangle at point 2.6 miles southwest of Postoak Crossing of Colorado River (by E. E. Harris in 1930)	
Bee Caves, about 2.6 mi. NW. of, 2.6 mi. SW. of Airfield ranch, 450 ft. NW. of crossing of Hurst Creek, 31 ft. N. of center line of rd., 23 ft. W. of ranch rd. NE., 2 ft. N. of fence line, in concrete post; standard tablet stamped "H 101 1930"-----	1, 012. 719
Reference mark, 130 ft. S.70°W. of tablet, near stone wall, on rock outcrop; chiseled square-----	1, 015. 93
Bee Caves, 3.6 mi. NW. of, on S. side of rd., 25 ft. E. of drain pipe, in root on W. side of 12-in. white-oak tree; copper nail and washer--	931. 04
Bee Caves, 4.3 mi. NW. of, in gap, on W. side of rd., on rock ledge 1 ft. above rd. level; chiseled square-----	1, 058. 96

	<i>Feet</i>
Bee Caves, 5.3 mi. NW. of, 0.7 mi. S. of Bee Creek, on W. side of angle in rd., in root on N. side of 10-in. live-oak tree; copper nail and washer.....	907. 57
Bee Caves, 5.8 mi. NW. of, 0.2 mi. S. of Bee Creek, 26 ft. E. of center line of rd., 100 ft. N. of Harper ranch rd., 8 ft. E. of fence line, in large boulder; standard tablet stamped "H 102 1930".....	761. 649
Bee Caves, 6.0 mi. NW. of, 20 ft. N. of Bee Creek, on E. side of rd., on large boulder; chiseled square.....	675. 18
Bee Caves, 6.8 mi. NW. of, on W. side of angle in rd., 155 ft. N. of gate in W. fence line, on NW. corner of concrete causeway over fork of Bee Creek; chiseled square.....	729. 22
Bee Caves, 7.6 mi. NW. of, on W. side of rd., in creek, on rock ledge; chiseled square.....	751. 13
Bee Caves, 8.7 mi. NW. of, 7.8 mi. SE. of Clover, in gap, 23 ft. S. of center line of rd., 2 ft. N. of fence line, in concrete post; standard tablet stamped "H 103 1930".....	992. 251
Clover, 7.0 mi. SE. of, in rd. fork, in root on E. side of prominent cedar tree; copper nail and washer.....	893. 98
Clover, 6.2 mi. SE. of, 70 ft. S. of junction of ranch rd. W., on SW. side of angle in rd., in root on S. side of 8-in. live-oak tree; copper nail and washer.....	856. 55
Clover, 5.5 mi. SE. of, 60 ft. SW. of angle in rd., on S. side of ranch rd. W., in root on N. side of 30-in. live-oak tree; copper nail and washer.....	812. 32
Clover, 4.5 mi. SE. of, 5.5 mi. SW. of post office at Mud, 25 ft. NE. of center line of rd., 31 ft. NW. of rd. E., 2 ft. NE. of fence line, in concrete post; standard tablet stamped "H 104 1930".....	777. 441
Reference mark, 267 ft. S.60°E. of tablet, in root on N. side of 12-in. cedar tree; copper nail and washer.....	779. 36
Clover, 3.6 mi. SE. of, on NE. side of rd., 40 ft. N. of ranch rd. W. through gate, in fork of mesquite tree; copper nail and washer.....	688. 43
Clover, 3.4 mi. SE. of, at concrete bridge over Pedernales River, in center of W. side; chiseled square.....	616. 66
Pedernales River, under bridge; surface of water Apr. 29, 1930.....	610. 2
Clover, 2.7 mi. SE. of, on N. side of angle in rd., in root on N. side of leaning mesquite tree; copper nail and washer.....	721. 07
Clover, 1.8 mi. SE. of, 2.0 mi. NE. of Turner ranch, 185 ft. W. of rd. junction, 27 ft. S. of center line of rd., 6 ft. S. of fence line, in rock ledge; standard tablet stamped "H 105 1930".....	779. 335
Reference mark, 239 ft. E. of tablet, on rock ledge; chiseled square.....	774. 87
Clover, 1.0 mi. SE. of, on S. side of rd., opposite junction of ranch rd. N., at summit of grade, on rock ledge; chiseled square.....	926. 26
Clover (formerly Corwin), on S. side of angle in rd., opposite junction of rd. N., on W. side of driveway to ranch house, in fence line, in root on N. side of 15-in. live-oak tree; copper nail and washer.....	842. 15
Clover, 1.1 mi. NW. of, 40 ft. N. of center line of rd., opposite junction of rd. W., in root on NW. side of 10-in. live-oak tree; copper nail and washer.....	833. 48
Clover, 2.0 mi. NW. of, 1.0 mi. SE. of Spicewood, 190 ft. E. of rd. junction, near bridge, inside fence; iron post stamped "Prim Trav Sta No 64 K 1924".....	783. 153
Clover, 2.6 mi. NW. of, on SW. side of rd. crossing Cypress Creek, on E. bank of creek, in fence corner, in root on NE. side of 36-in. cypress tree; copper nail and washer.....	672. 60

Clover, 3.4 mi. NW. of, on SE. side of rd., near center of large triangle formed by junction of rd. NE., in root on W. side of 12-in. mesquite tree; copper nail and washer.....	Feet 771. 68
From Mount Bonnell quadrangle along road northwest across northeast corner of quadrangle into Bertram quadrangle (by E. E. Harris in 1930)	
Travis Peak post office, 0.6 mi. NE., thence 2.8 mi. SE. from, on S. side of sharp turn in rd., in wash, 18 in. E. of corner fence post, on rock ledge; chiseled square.....	787. 17
Travis Peak post office, 0.6 mi. NE., thence 2.3 mi. SE. from, on S. side of rd., in bed of creek, on prominent rock ledge; chiseled square.....	672. 39
From point 7.8 miles southeast of Clover along roads west and southwest to point 6.4 miles southeast of Turner ranch, thence northwest and northeast to point 1.8 miles southeast of Clover (by E. E. Harris in 1930)	
Clover, 7.8 mi. SE., thence 0.8 mi. SW. from, on N. side of sharp turn in rd., in wash, on rock ledge; chiseled square.....	996. 88
Clover, 7.8 mi. SE., thence 1.6 mi. SW. from, on W. side of rd., 15 ft. S. of gate, in root on SW. side of small live-oak tree; copper nail and washer.....	998. 41
Clover, 7.8 mi. SE., thence 2.6 mi. SW. from, in rd. fork, in root on NE. side of small live-oak tree; copper nail and washer.....	999. 67
Clover, 7.8 mi. SE., thence 3.7 mi. SW. from, 6.4 mi. S. of Turner ranch headquarters, 29.5 ft. NW. and 120 ft. NE. from center of crossroads, in rock outcrop; standard tablet stamped "H 119 1930".....	1,080. 132
Reference mark, 81 ft. S. of tablet, in root on E. side of 10-in. live-oak tree; copper nail and washer.....	1,082. 42
Turner ranch headquarters, 5.7 mi. S. of, on N. side of rd., in center of wash, on rock ledge; chiseled square.....	926. 00
Turner ranch headquarters, 4.6 mi. S. of, 70 ft. NW. of rd. junction, on N. side of angle in rd., on rock outcrop; chiseled square.....	821. 42
Turner ranch headquarters, 3.8 mi. S. of, 26 ft. NE. of center line of rd., in wash, in rock ledge; standard tablet stamped "H 118 1930".....	824. 585
Turner ranch headquarters, 2.6 mi. S. of, on W. side of rd., in root on NE. side of prominent live-oak tree; copper nail and washer.....	837. 08
Turner ranch headquarters, 1.8 mi. S. of, on N. side of rd., on E. bank of Pedernales River, on large boulder; chiseled square.....	664. 26
Pedernales River; surface of water (5 ft. above normal) May 27, 1930..	658. 0
Turner ranch headquarters, 1.0 mi. S. of, 40 ft. E. of center line of rd., 45 ft. NW. of old abandoned well, 14 ft. W. of rock fence, in boulder; standard tablet stamped "H 117 1930".....	840. 508
Reference mark, 100 ft. S. of tablet, in root on SE. side of large mesquite tree; copper nail and washer.....	836. 18
Turner ranch headquarters, 200 ft. SW. of, 80 ft. S. of angle in rd., in root on N. side of 30-in. live-oak tree; copper nail and washer.....	807. 89
Turner ranch headquarters, 1.2 mi. NE. of, 1.8 mi. SE., thence 0.8 mi. SW. from Clover, 20 ft. S. of center line of rd., in creek bed, on large boulder; chiseled square.....	795. 87
From road junction 5.5 miles southeast of Mud northeast about 7 miles along road, across country, and along Turnback Creek into Mount Bonnell quadrangle (by E. E. Harris in 1930)	
Mud, 4.5 mi. SW. of, on N. side of rd., on E. side of wash, 65 ft. NW. of gate and cattle guard, on rock bed of wash; chiseled square.....	760.85

498 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Mud, 3.4 mi. SW. of, 200 ft. N. of schoolhouse, 50 ft. E. of cemetery, on S. side of rd., in root on NE. side of leaning live-oak tree; copper nail and washer-----	Feet 751. 89
Mud, 2.6 mi. SW. of, 18 ft. S. of center line of main rd., 12 ft. N. of ranch rd. SW., in concrete post; standard tablet stamped "H 107 1930"-----	764. 941
Mud, 1.6 mi. SW. of, on S. side of rd., on E. side of wash, on rock outcrop; chiseled square-----	694. 70
Mud, 0.9 mi. SW. of, 40 ft. NW. of sharp angle in rd., on SW. side of drain, on rock outcrop; chiseled square-----	691. 21
Mud, about 300 ft. SW. of post office, 12 ft. SW. and 14 ft. SE. from right-angle turn in rd., in rock ledge; standard tablet stamped "H 108 1930"-----	739. 167
Reference mark, 172 ft. N.45°W. of tablet, on rock outcrop; chiseled square-----	747. 60
Mud, 1.0 mi. N. of, on S. side of Colorado River, opposite mouth of Turnback Creek, on large boulder; chiseled square-----	582. 36
Colorado River; surface of water May 30, 1930-----	579. 2
From Mud along road northwest about 2.4 miles (by E. E. Harris in 1930; single spur line)	
Mud, 0.9 mi. NW. of post office at, on W. side of rd., 80 ft. N. of rd. W., 250 ft. NW. of house, in root on NW. side of 6-in. mesquite tree; copper nail and washer-----	723. 19
Mud, 1.6 mi. NW. of, on W. side of rd., near SE. corner of house, in root on NE. side of southwesternmost of three oak trees; copper nail and washer-----	700. 02
Mud, 2.4 mi. NW. of, on S. bank of Colorado River, 200 ft. E. of Lindlay Ford, in root on S. side of forked pecan tree; copper nail and washer-----	599. 00
From point 7.1 miles northwest of Bee Caves along road northeast to Cox Crossing of Colorado River, thence southeast into Mount Bonnell quadrangle at point about 1.3 miles northwest of Lohmann Ford (by E. E. Harris in 1930)	
Bee Caves, 7.1 mi. NW., thence 0.8 mi. NE. from, 2.8 mi. SW. of Cox Crossing of Colorado River, on NW. side of angle in rd., on rock outcrop; chiseled square-----	707. 34
Cox Crossing, 2.0 mi. SW. of, 35 ft. E. of angle in rd., near center of NE. edge of triangle formed by junction of rd. E., on rock ledge; chiseled square-----	716. 75
Cox Crossing, 1.5 mi. SW. of, 14 ft. W. of center line of rd., 52 ft. S. of gate, in large rock ledge; standard tablet stamped "H 109 1930"-----	737. 189
Reference mark, 138 ft. N. of tablet, on rock outcrop; chiseled square--	737. 84
Cox Crossing, on N. bank of Colorado River, 500 ft. W. of ford, on SE. side of rd., in knot of pecan trees, 2 ft. above ground; copper nail and washer-----	563. 48
Colorado River; surface of water May 14, 1930-----	550. 2
Cox Crossing, 0.4 mi. SE. of, in W. angle of rd. junction, on rock outcrop; chiseled square-----	674. 99
From Clover along road northeast into Bertram quadrangle at point about 1.5 miles southwest of Travis Peak post office (by E. E. Harris in 1930)	
Clover, 0.7 mi. NE. of, 60 ft. N. of right-angle turn in rd., 17 ft. W. of center line, 5 ft. E. of fence line, in rock outcrop; standard tablet stamped "H 137 1930"-----	807. 840
Clover, 1.6 mi. NE. of, 0.9 mi. W. of Johnson ranch house, on SW. side of rd. fork, on rock outcrop; chiseled square-----	779. 76

Johnson ranch house (formerly Johnson post office), about 160 ft. SW. of, on W. side of rd., just S. of fence corner, in root on NE. side of large mesquite tree; copper nail and washer.....	Feet 655. 44
Johnson ranch house, 0.5 mi. E. of, 100 ft. SE. of ranch house of O. Hollingsworth, on S. side of angle in rd., in root on N. side of 20-in. oak tree; copper nail and washer.....	690. 38
Hollingsworth ranch house, 0.6 mi. E. of, in rd. fork, in root on S. side of 10-in. live-oak tree; copper nail and washer.....	743. 10
Hollingsworth ranch house, 1.4 mi. NE. of, 3.4 mi. SW. of Travis Peak post office, 600 ft. N. of cemetery at junction of rd. E., 800 ft. S. of junction of rd. W., 26 ft. E. of center line of rd., in rock outcrop; standard tablet stamped "H 129 1930".....	810. 939
Reference mark, 644 ft. S. of tablet, at rd. junction, in root on W. side of live-oak tree; top of bolt head.....	793. 27

SPRINGTOWN QUADRANGLE

[Latitude 32°45'-33°00'; longitude 97°30'-97°45']

PARKER, TARRANT, AND WISE COUNTIES

From Fort Worth No. 2 quadrangle near Tarrant-Wise county line along roads alternately west and south by way of Briar to Wild Onion School, thence generally south to crossroads 2.5 miles southwest of Sabathany, thence east, northeast, and southeast to point 2.1 miles southeast of Azle, thence northwest and north to road junction 1.5 miles east of Briar (by C. E. Reick in 1924)

Newark, 0.9 mi. S., thence 0.9 mi. W. from, 2.8 mi. SE. of Briar, 50 ft. W. of W. end of bridge over West Fork of Trinity River, in root of 25-in. pecan tree; copper nail and washer.....	638. 10
Briar, 2.0 mi. SE. of, 0.5 mi. SE. of junction of rd. S. to Azle, on N. side of rd., in root of 20-in. oak tree; copper nail and washer.....	660. 33
Briar, 1.5 mi. E. of, 30 ft. N. of rd. junction, on bank, in concrete post; standard tablet stamped "Prim Trav Sta No 8 Y 1924".....	704. 022
Reference mark, in SW. angle of rd. junction, near fence corner; top of iron pipe.....	702. 40
Briar, 0.6 mi. E. of, 80 ft. NW. of junction of T-rd. N., in root of 18-in. oak tree; copper nail and washer.....	730. 94
Briar, 400 ft. W. of store, 130 ft. SE. of Baptist Church, in root on S. side of 24-in. oak tree; copper nail and washer.....	761. 42
Briar, 1.1 mi. SW. of, 3.4 mi. E. of Wild Onion School, in SW. angle of junction of T-rd. W., in fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 9 Y 1924".....	761. 588
Wild Onion School, 3.3 mi. E. of, 450 ft. W. of rd. junction, on N. side of rd., in root of 10-in. oak tree; copper nail and washer.....	768. 70
Wild Onion School, 2.2 mi. E. of, 60 ft. N. of rd., in pasture, in root of 15-in. oak tree; copper nail and washer.....	873. 47
Wild Onion School, 1.4 mi. E. of, on NE. corner of concrete bridge; chiseled triangle.....	790. 55
Wild Onion School, 0.5 mi. E. of, in SW. angle of crossroads; top of iron pipe.....	812. 26
Wild Onion School, 400 ft. W. of, in SE. angle of crossroads, in fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 10 Y 1924".....	761. 615
Wild Onion School, 1.0 mi. S. of, at bridge over Walnut Creek, on W. end of S. abutment; chiseled square.....	735. 39
Wild Onion School, 2.2 mi. S. of, 3.0 mi. by rd. N. of Burton Knob, 0.5 mi. N. of Jaybird Church, in SE. angle of crossroads, in concrete post; standard tablet stamped "Prim Trav Sta No 11 Y 1924".....	805. 826

	<i>Feet</i>
Reference mark, 200 ft. S. of crossroads, on W. side of rd.; top of iron pipe-----	794. 56
Burton Knob, 2.0 mi. N. of, 0.5 mi. S. of Jaybird Church, on E. side of rd., in pasture, in root of 14-in. oak tree; copper nail and washer-----	773. 30
Burton Knob, 1.3 mi. by rd. NE. of, in SE. angle of junction of rd. E. to house, in root on E. side of 20-in. oak tree; copper nail and washer-----	838. 69
Burton Knob, 0.4 mi. N. of, at turn from W. to S. in rd., in fence corner, in root of 20-in. oak tree; copper nail and washer-----	828. 88
Burton Knob, 800 ft. W. of, in triangle of rd. forks, in concrete post; standard tablet stamped "Prim Trav Sta No 12 Y 1924"-----	867. 928
Burton Knob, 600 ft. W. of, 0.8 mi. N., thence 0.2 mi. W. from Sabathany, 170 ft. E. of rd. fork, in root on W. side of 20-in. oak tree; copper nail and washer-----	874. 11
Sabathany, 860 ft. N. of crossroads at, 130 ft. NW. of Sabathany Baptist Church, in root of 18-in. oak tree; copper nail and washer-----	832. 35
Sabathany, 1.0 mi. SW. of, at iron bridge over Ash Creek; top of NE. corner post-----	831. 88
Ash Creek, under bridge; surface of water Jan. 30, 1924-----	808. 7
Sabathany, 1.8 mi. SW. of, 0.8 mi. S. of Ash Creek, at summit of grade, on W. side of rd., set in ground; top of steel axle-----	930. 57
Sabathany, 2.3 mi. SW. of, 30 ft. S. of rd. fork, in lot of H. W. Britten, in concrete post; standard tablet stamped "Prim Trav Sta No 13 Y 1924"-----	927. 919
Reference mark, on S. side of rd., in front of residence of H. W. Britten, in root of 20-in. oak tree; copper nail and washer-----	938. 51
Sabathany, 2.3 mi. SW., thence 0.8 mi. E. from, 4.4 mi. SW. of Azle, at summit of grade, on S. side of rd., on rock; chiseled square-----	1, 023. 42
Azle, 3.7 mi. SW. of, on N. side of rd., 200 ft. W. of junction of rd. N., on concrete wall of cattle dip; chiseled square-----	952. 55
Azle, 2.9 mi. SW. of, in center of triangle of rd. forks, in limestone ledge; standard tablet stamped "Prim Trav Sta No 14 Y 1924"-----	890. 679
Azle, 2.8 mi. SW. of, 300 ft. E. of rd. forks, on S. side of rd., on small ledge; chiseled square-----	888. 23
Azle, 2.0 mi. SW. of, on NW. side of rd., in front of barn, in root of 10-in. oak tree; copper nail and washer-----	832. 95
Azle, 1.3 mi. SW. of, at NE. corner of cemetery, in root of 24-in. oak tree; copper nail and washer-----	757. 04
Azle, 0.3 mi. SW. of rd. junction at, 120 ft. SE. of Baptist Church, in angle at rd. fork, in concrete post; standard tablet stamped "Prim Trav Sta No 15 Y 1924"-----	703. 756
Reference mark, 80 ft. E. of church, 80 ft. NW. of rd. fork, in root of 10-in. oak tree; copper nail and washer-----	703. 75
Azle, 0.4 mi. E. of, on N. side of rd., in front of white house, in root of 8-in. oak tree; copper nail and washer-----	714. 32
Azle, 0.7 mi. SE. of, on SW. side of rd., on head wall of concrete culvert; chiseled square-----	692. 09
Azle, 1.4 mi. SE. of, in NE. angle of junction of rd. N., 200 ft. SE. of old church, in root of 20-in. oak tree; copper nail and washer-----	676. 71
Azle, 2.1 mi. SE. of, 0.2 mi. NW. of bridge over Ash Creek, on NE. side of Fort Worth highway, at junction of second-class rd. N., in concrete post; standard tablet stamped "Prim Trav Sta No 5 Y 1924"-----	658. 441

	<i>Foot</i>
Azle, 1.4 mi. SE., thence 0.8 mi. N. from, on W. side of rd., in root of 20-in. oak tree; copper nail and washer.....	713. 99
Walnut Creek, under bridge; surface of water Feb. 7, 1924.....	618. 7
Azle, 1.4 mi. SE., thence 1.7 mi. N. from, 120 ft. N. of bridge over Walnut Creek, in root of 14-in. cottonwood tree; iron bolt.....	629. 17
Azle, 1.4 mi. SE., thence 2.1 mi. N. from, 0.6 mi. E., thence 2.9 mi. S. from Peden, 1.9 mi. SE. of Liberty School, on W. side of rd., at junction of rd. E., in concrete post; standard tablet stamped "Prim Trav Sta No 6 Y 1924".....	662. 892
Reference mark, 50 ft. N. of rd. junction, in notch on S. side of 15-in. oak tree; copper nail and washer.....	665. 08
Peden, 0.6 mi. E.; thence 2.1 mi. S. from, 0.3 mi. N. of Rock Hill Church, 1.0 mi. SE. of Liberty School, at summit of grade, on E. side of rd., in root on W. side of 22-in. oak tree; copper nail and washer.....	736. 03
Peden, 0.6 mi. E., thence 1.1 mi. S. from, 160 ft. W. of Liberty School, on E. side of rd., in root of triple oak tree; copper nail and washer..	739. 31
Peden, 0.6 mi. E. of, 1.1 mi. N. of Liberty School, 30 ft. N. of junction of E.-W. rd., in pasture, in concrete post; standard tablet stamped "Prim Trav Sta No 7 Y 1924".....	697. 651
Peden, 0.7 mi. E. of, 670 ft. E. of rd. junction, 150 ft. NE. of cattle dip, in root of 15-in. oak tree; copper nail and washer.....	688. 48
Peden, 0.7 mi. E., thence 1.1 mi. N. from, 1.5 mi. E., thence 1.8 mi. S. from Briar, at summit of grade, on W. side of rd., in root of 10-in. double oak tree; copper nail and washer.....	737. 36
Briar, 1.5 mi. E., thence 0.7 mi. S. from, on W. side of rd., at junction of rd. W., in root of 15-in. oak tree; iron bolt.....	704. 47
From Boyd quadrangle at point 2.8 miles south and 0.5 mile west from Keeter along roads alternately south and west 1.9 miles to Wild Onion School (by Crawford Dickey in 1924)	
Keeter, 3.2 mi. S. and 0.5 mi. W. from, 1.0 mi. N., thence 0.5 mi. W. from Wild Onion School, in NE. angle of junction of Parker-Wise county-line rd., in root of 16-in. oak tree; copper nail and washer..	845. 39

STACY QUADRANGLE

[Latitude 31°15'-31°30'; longitude 99°30'-99°45']

COLEMAN, CONCHO, AND McCULLOCH COUNTIES

From Voss quadrangle along roads south 1.4 miles, thence west 1.4 miles to Stacy, thence south to crossroads 0.4 mile south of Doole, thence east and northeast to point on Colorado River 4 miles south of Hardin School (by A. P. Meade in 1923-24)

Stacy, 1.4 mi. E., thence 1.0 mi. N. from, at bridge over Colorado River, 2 ft. E. of rd., in N. end of E. concrete retaining wall; standard tablet stamped "M 126 1923 Prim Trav Sta No 2 C 1924".....	1, 459. 170
Colorado River; surface of water Dec. 21, 1923.....	1, 402. 1
Stacy, at Garner store, 2.2 ft. W. of SE. corner, in concrete porch, 2 ft. above rd.; chiseled square.....	1, 500. 24
Stacy, 0.3 mi. S. of, at Stacy School, in S. side of E. concrete porch floor, 6 in. from wall and edge of porch; standard tablet stamped "M 127 1923".....	1, 517. 641
Stacy, 1.3 mi. S. of, 20 ft. N. of junction of ranch rd. W., 300 ft. W. of white ranch house, on W. side of main rd., in drain, on rock; chiseled square.....	1, 494. 22

	<i>Feet</i>
Stacy, 1.8 mi. S. of, 50 ft. N. of turn in rd., on S. side of ridge, 30 ft. N. of rd., 2 ft. S. of fence, on 4- by 4-in. rock; chiseled square.....	1, 523. 82
Stacy, 2.6 mi. S. of, in big drain to W., at foot of grade to S., 10 ft. E. of rd., 30 ft. SW. of telephone pole; highest point of rock.....	1, 541. 88
Stacy, 3.1 mi. S. of, 2.5 mi. N. of Doole, 300 ft. S. of junction of T-rd. W., at foot of grade to S., opposite sink hole W., in center of W. concrete wall of concrete culvert; standard tablet stamped "M 128 1923".....	1, 565. 346
Doole, 0.1 mi. S. of post office, at concrete bridge over drain, on N. end of W. wall, at rd. level; chiseled square.....	1, 495. 05
Doole, 0.4 mi. S. of, at Doole School, at SE. porch, in S. end of concrete step, 5 in. above ground; standard tablet stamped "M 129 1923" (recovered in 1925).....	1, 525. 656
Doole School, 0.7 mi. E. of, at SW. corner of concrete dip over Salt Creek, 5 ft. S. of center line of rd., in center of flat surface; chiseled square.....	1, 486. 57
Doole School, 1.2 mi. E. of, 300 ft. NE. of house, on S. side of rd., opposite T-rd. N.; highest point of rock.....	1, 501. 89
Doole School, 2.4 mi. E. of, 300 ft. S. of house, 30 ft. E. of ranch rd. N., 30 ft. N. of center line of main rd., 3 ft. N. of fence, 2 ft. above ground, in fork of mesquite tree; copper nail and washer.....	1, 516. 10
Doole School, 3.1 mi. E. of, at crossroads 6 ft. N. of rd. E., 1 ft. E. of fence, in stone post, 3 ft. above ground; standard tablet stamped "Prim Trav Sta No 5 C 1924 M 130".....	1, 562. 744
Doole School, 3.4 mi. E., thence 0.1 mi. NE. from, at turn in rd. to E., 20 ft. W. of junction of dim rd. N., opposite gate, 300 ft. W. of house, on rock ledge; chiseled square.....	1, 538. 13
Doole School, 3.4 mi. E., thence 2.0 mi. NE. from, at rd. junction, 20 ft. W. of rd. N., 40 ft. N. of rd. E., 800 ft. N. and W. from house, 150 ft. N. and W. from live-oak tree, in mesquite tree, 1.8 ft. above ground; copper nail and washer.....	1, 455. 04
Doole School, 3.4 mi. E., thence 2.4 mi. NE. from, 6.0 mi. by rd. S. of Hardin School, 10 ft. N. and E. from crossroads, in stone post flush with ground; standard tablet stamped "Prim Trav Sta No 4 C 1924 M 131".....	1, 490. 829
Reference mark, 100 ft. N. of tablet, at summit of hill, 100 ft. N. of crossroads, N. of telephone line, in mesquite tree, 1.9 ft. above ground; copper nail and washer.....	1, 491. 63
Hardin School, 5.7 mi. S. of, 500 ft. S. of big drain, 80 ft. W. of rd., 1.6 ft. above ground, in first crotch of large live-oak tree; copper nail and washer.....	1, 469. 41
Hardin School, 4.0 mi. S. of, 20 ft. N. of bluff, 20 ft. S. of Colorado River, on rocky point, E. of big white house of John Coxe, on flat rock; chiseled mark.....	1, 374. 88
Colorado River; surface of water Jan. 4, 1924.....	1, 372. 7

From Stacy northwest along roads into Voss quadrangle at point near Redwire School (by A. P. Meade in 1923-24)

Stacy, 1.2 mi. NW. of, on S. side of rd., at junction of rd. NE. to Crane Crossing, on small grade, on rock; chiseled square.....	1, 490. 10
Stacy, 1.7 mi. NW. of, 500 ft. NE. of Brady Bend Crossing of Colorado River, at point where river flows NW. a short distance, on N. side of rd., at slope down to rocky river bed, in trunk of mesquite tree; copper nail and washer.....	1, 425. 90

	<i>Feet</i>
Colorado River, at Brady Bend Crossing; surface of water Dec. 28, 1923.....	1, 416. 0
Brady Bend Crossing, 1.5 mi. in air line SE. of Redwire School, on SW. bank of Colorado River, between rd. and river, at foot of steep grade, 1 ft. from water, on high rock; chiseled square.....	1, 417. 59
From point on Colorado River 1 mile north and 1.4 miles east from Stacy along roads east to Hardin School, thence south 4 miles to Colorado River (by A. P. Meade in 1924)	
Stacy, 1.1 mi. N. and 2.1 mi. E. from, 3.7 mi. W. of Hardin School, 0.2 mi. NE. of Conner residence, at foot of steep grade, 40 ft. E. of pond, 20 ft. SE. of rd. junction, in mesquite tree, 6 in. above ground; copper nail and washer.....	1, 462. 01
Hardin School, 2.5 mi. W. of, 0.2 mi. S. of house and junction of rd. SE., in SW. corner of junction of rd. S., in root of mesquite tree; copper nail and washer.....	1, 451. 42
Hardin School, 2 mi. W. of, at junction of rd. N., 100 ft. N. of house, on S. side of rd., under N. end of mail box, in root of mesquite tree, at rd. level; copper nail and washer.....	1, 444. 15
Hardin School, 1.4 mi. W. of, at junction of rd. SE., at E. end of brace of E. gatepost; top of N. end of rock set on edge.....	1, 442. 60
Hardin School, 300 ft. NE. of, 10 ft. E. of rd., opposite center line of rd. W., 1 ft. W. of fence, in stone post flush with ground; standard tablet stamped "Prim Trav Sta No 3 C 1924 M 132".....	1, 492. 779
Reference mark, 35 ft. NW. of tablet, in NW. corner of rd. junction, 4 ft. NW. of corner post, 4 ft. from NE. corner, on large flat rock; chiseled mark.....	1, 491. 69
Hardin School, 1.7 mi. S. of, 0.2 mi. NW. of rd. fork, at junction of faint rd. E. to Colorado River, 300 ft. N. of turn in rd. to SE., at foot of grade to N., 4 ft. E. of rd., in mesquite tree, 20 in. above ground; copper nail and washer.....	1, 490. 26
Hardin School, 2.2 mi. S. of, E. of junction of rd. S. to big white house of John Coxe and faint rd. E. to Colorado River, 10 ft. N. of rd.; top of rock.....	1, 490. 08
Hardin School, 3.1 mi. S. of, 300 ft. SE. of Young residence, 150 ft. E. of rd. fork and old crib, 10 ft. S. of rd.; top of rock.....	1, 460. 79
From Doole School along roads west 1.1 miles, thence north 3 miles, thence east to road junction 2.5 miles north of Doole (by A. P. Meade in 1924)	
Doole School, 1.1 mi. W. of, in NE. corner of crossroads, 2 ft. from corner fence post, in stone post, 2 in. above ground; standard tablet stamped "Prim Trav Sta No 6 C 1924 M 135".....	1, 580. 276
From Eden No. 4 quadrangle north along road to Doole School (by E. E. Harris in 1925)	
Melvin, 4.7 mi. N. of high school at, on W. side of rd., at SW. corner of small concrete bridge, on top of wing wall; bottom of chiseled square.....	1, 796. 11
Melvin, 5.3 mi. N. of, on W. side of rd., in angle in rd. at foot of grade, in center of top of parapet of concrete culvert; chiseled square.....	1, 792. 98
Melvin, 6.2 mi. N. of, 100 ft. W. of rd. junction, on S. side of rd., in top of parapet of concrete culvert; standard tablet stamped "H 263 1925".....	1, 811. 927
Reference mark, 80 ft. W. of tablet, in fence line, in root on W. side of 15-in. live-oak tree; copper nail and washer.....	1, 809. 45

Melvin, 7.1 mi. N. of, on W. side of rd., in center of top of parapet of concrete culvert; chiseled square.....	Feet 1, 721. 75
Melvin, 8.4 mi. N. of, 6.2 mi. S. of Doole School, in NW. angle of crossroads, at E. entrance to Salt Gap School, in NE. corner of large step; standard tablet stamped "H 264 1925".....	1, 671. 461
Doole School, 5.2 mi. S. of, on E. side of rd., on NE. corner of concrete dip in rd.; chiseled square.....	1, 614. 30
Doole School, 4.2 mi. S. of, 700 ft. S. of crossroads, 150 ft. S. of house, on W. side of rd., 15 ft. W. of fence line, in root on N. side of prominent mesquite tree; copper nail and washer.....	1, 605. 86
Doole School, 3.2 mi. S. of, in NE. angle of junction of T-rd. E., in right angle in fence line, 4 ft. from each fence, in concrete post; standard tablet stamped "H 265 1925".....	1, 593. 457
Doole School, 2.2 mi. S. of, on E. side of rd., at junction of T-rd. W., 1 ft. N. and 12 ft. E. from T-angle in fence line, in root on W. side of small mesquite tree; copper nail and washer.....	1, 561. 59
Doole School, 1.1 mi. S. of, 250 ft. S. of angle in rd., on E. side of rd., in center of E. side of concrete dip in rd.; chiseled square.....	1, 509. 29

TAYLOR NO. 2 QUADRANGLE

[Latitude 30°45'-31°00'; longitude 97°15'-97°30']

BELL, MILAM, AND WILLIAMSON COUNTIES

From Buckholts quadrangle at point 4.3 miles northwest of Bryant Station Bridge along roads northwest up Little River to Missouri-Kansas-Texas Railroad, thence north along railroad into Belton quadrangle (by E. L. McNair in 1908-10)

Bryant Station Bridge, 4.5 mi. NW. of, 150 ft. N. of Little River, at foot of hill, 200 ft. SE. of open cultivated fields, in timbered bottom land, in root of leaning ash tree; copper nail.....	401. 02
Bryant Station Bridge, 4.8 mi. NW. of, between two open cultivated fields, on E. bank of dry watercourse, in root of large elm tree; copper nail.....	401. 33
Bryant Station Bridge, 6.0 mi. NW. of, at wire fence line between timbered pasture and open cultivated field, in SW. corner of field, about 600 ft. E. of river, 6 ft. NE. of blazed tree; iron post stamped "Prim Trav Sta No 21 Texas 1909 405".....	404. 693
Bryant Station Bridge, 6.4 mi. NW. of, in heavily timbered pasture, about 175 ft. W. of corner of open field, in root of large leaning elm tree; copper nail.....	404. 25
Bryant Station Bridge, 7.5 mi. NW. of, in small timbered pasture, 20 ft. E. of bank of Little River, 200 ft. W. of rising ground, midway between two wire fences about 200 ft. apart, open fields to N., in root of large oak tree; copper nail.....	409. 53
Bryant Station Bridge, 8.2 mi. NW. of, in timbered pasture, 100 ft. N. of Little River, in root of large elm tree; copper nail.....	412. 76
Bryant Station Bridge, 8.7 mi. NW. of, at junction of private farm rd. running N.-S. through bottoms near river, about 30 ft. E. of river bank, at board gate, in root of hackberry tree; copper nail.....	414. 12
Bryant Station Bridge, 9.4 mi. NW. of, at point where timbered land runs out in small neck into open fields, open cultivated fields to N. and S., 30 ft. N. of wire fence, in root of double hackberry tree; copper nail.....	412. 41

Bryant Station Bridge, 9.7 mi. NW. of, 2.6 mi. S. of Burgess, in Reid bottom, in large open cultivated field, about 800 ft. W. of house occupied by W. H. Harris, 1,000 ft. S. of timber, about 0.5 mi. E. of river, 8 ft. NE. of large lone cottonwood tree, 10 ft. S. of private field rd. ; iron post ⁶¹ -----	Feet 412. 736
Reference mark, 1,000 ft. W. of rising ground, in open cultivated field, 10 ft. S. of private farm rd. through fields, in root of large double cottonwood tree; copper nail-----	411. 57
Burgess, 1.9 mi. S. of, in hedge of trees between two open fields, on E. margin of field rd., 25 ft. W. of wire fence, old sunken rd. to E., in root of hackberry tree; copper nail-----	418. 20
Burgess, 1.3 mi. S. of, in open field, in bottom of dry watercourse, 50 ft. N. of private farm rd. through field, in root of hackberry tree; copper nail-----	419. 00
Burgess, 0.6 mi. S. of, in large open cultivated field, in root of pecan tree; copper nail-----	425. 36
Burgess, 425 ft. E. of wire river bridge, 450 ft. NE. of post office, 200 ft. N. of Reed Lake, 36 ft. E. of dry watercourse, 8 ft. E. of blazed and marked tree; iron post stamped "Prim Trav Sta No 23 Texas 1909 430"-----	429. 249
Burgess, 0.6 mi. W. of, on brushy tree line between two large open cultivated fields, on E. margin of private field rd. running N.-S., in root of hackberry tree; copper nail-----	430. 84
Burgess, 1.2 mi. W. of, in wooded pasture, 50 ft. E. of wire fence, in root of hackberry tree; copper nail-----	432. 55
Burgess, 2.0 mi. W. of, on property of Hugh Cole, 400 ft. W. of house, 15 ft. N. of wire fence, on sloping hillside, in narrow strip of timber, in root of oak tree; copper nail-----	465. 69
Little River sta., 2.4 mi. S. of, at M. K. T. R. R. bridge 889.8 over Little River, in SE. pier; aluminum tablet stamped "Prim Trav Sta No 24 Texas 1909 449"-----	447. 315
Little River sta., in front of; top of rail-----	502. 2
Little River sta., 1,115 ft. N. of, on E. side of track, 4 ft. W. of wire fence, within right-of-way, 42 ft. N. of telegraph pole, 108 ft. S. of wooded pasture; iron post stamped "Prim Trav Sta No 25 Texas 1910 504" (recovered by U. S. C. & G. S. in 1933)-----	503. 680
Along roads southwest, west, and northwest near north border of quadrangle (by E. E. Harris in 1923)	
[A jog from Belton quadrangle]	
Mount Vernon School, 3.9 mi. SW. of, about 2 mi. along Belton rd. W. of Little River sta., 2.0 mi. by rd. SE. of Three Forks Church, in NW. corner of junction of T-rd. NW., in center of top of parapet of concrete culvert; chiseled square-----	503. 19
Three Forks Church, 1.2 mi. by rd. SE. of, on W. side of rd., at right-angle turn in Belton-Little River rd., in root on E. side of 20-in. live-oak tree; copper nail and washer-----	498. 53
Three Forks Church, about 250 ft. SW. of, in NW. corner of junction of T-rd. NE., in concrete post; standard tablet stamped "Prim Trav Sta No 6 T Texas 1923 H 6"-----	501. 274

⁶¹ This mark was intended to be "Prim Trav Sta No 22" but the records show no determination of the position.

506 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Reference mark, 117.8 ft. N. of tablet, in root on E. side of 15-in. oak tree; copper nail and washer-----	Feet 502. 78
From southeast corner of Killeen quadrangle ⁶² along roads southeast and northeast into southwest corner of Belton quadrangle (by F. L. Shalibo in 1923)	
Lampasas River bridge, 0.2 mi. S. of, opposite T-rd. W., 15 ft. E. of rd., in root of large tree; copper nail-----	554. 91
From Taylor No. 3 quadrangle north along Missouri-Kansas-Texas Railroad to point 0.8 mile north of Bartlett (by T. A. Green in 1924)	
Granger, 3.1 mi. N. of, 300 ft. S. of milepost 905, 65 ft. E. of tracks, on W. side of highway, in fifth concrete post from S. end of concrete highway bridge over running stream; standard tablet stamped "G 19 1924"-----	563. 572
Reference mark, 1,100 ft. N. of tablet, 8 ft. E. of tracks, on NW. corner of concrete base of semaphore pole 904.8, on top of upright bolt; chiseled cross-----	572. 77
Granger, 4.0 mi. N. of, 1.4 mi. S. of Bartlett, 6 ft. E. of tracks, at iron R. R. bridge 904.1 over Donahoe Creek, on E. end of S. concrete abutment; chiseled square-----	574. 78
Bartlett, in front of sta.; top of W. rail of main track-----	600. 0
Bartlett, 210 ft. N. of sta., 10 ft. E. of tracks, at NE. corner of concrete base of electric indicator, on top of upright steel bolt; chiseled cross--	601. 04
U. S. C. & G. S. B. M. designated "A 5"-----	591. 308

TAYLOR NO. 3 QUADRANGLE

[Latitude 30°30'-30°45'; longitude 97°15'-97°30']

MILAM AND WILLIAMSON COUNTIES

From Taylor west along International-Great Northern Railroad into Round Rock quadrangle (by T. A. Green in 1924)

U. S. C. & G. S. copper bolt designated "F 5" ⁶³ -----	552. 729
Taylor, in front of sta.; top of rail-----	544. 8
Taylor, 2.2 mi. W. of, at end of curve, on S. side of track, on top of circular concrete culvert; chiseled square-----	548. 84
Taylor, 3.1 mi. SW. of, 800 ft. W. of rd. crossing, 130 ft. N. of center line of track, at junction of rd. S., on N. side of highway, in top of concrete wall of highway bridge; standard tablet stamped "G 38 1923"-----	582. 771
Reference mark, 530 ft. W. of tablet, 115 ft. N. of track, on S. side of highway, on top of concrete culvert; chiseled square-----	592. 10
Taylor, 5.0 mi. SW. of, 0.6 mi. E. of Frame, 250 ft. W. of T-rd. S., on S. side of track, at SE. corner of R. R. bridge 149.32, in top of heavy 12- by 12-in. wooden beam; copper nail and washer-----	626. 40

From Round Rock quadrangle east along Missouri-Kansas-Texas Railroad to Granger, thence north into Taylor No. 2 quadrangle (by T. A. Green in 1924)

Granger, 2.9 mi. SW. of, 130 ft. W. of rd. crossing, 192 ft. E. of milepost 911, 20 ft. N. of track, on E. concrete post serving as rack for extra rail; chiseled square-----	614. 78
Granger, 0.2 mi. S. of, at junction of R. R.; top of rail-----	574. 7

⁶² No marks were established on that portion of the line which crosses the northeast corner of Georgetown No. 1 quadrangle.

⁶³ Described as a chiseled square in U. S. Coast & Geodetic Survey Special Pub. 77, p. 32.

Granger, about 400 ft. SE. of sta., about 200 ft. E. of main tracks, on S. side of Main Street, 30 ft. NW. of NW. corner of store of Ray H. Murrah, on SE. corner of concrete base of electric light pole; chiseled square.....	Feet 574. 90
Granger, at SE. corner of First National Bank building, 11 ft. E. of N.-S. building line, 11 ft. N. of city water plug, 5 ft. W. of curb, in grass parking, in concrete post; standard tablet stamped "G 18 1924".....	573. 824
Reference mark, about 125 ft. S. of First National Bank, at NE. corner of square, on SE. corner of concrete base of electric light pole; chiseled square.....	573. 53
Granger, 0.4 mi. N. of, on E. side of tracks, on NW. concrete foundation of steel water tank, on NW. corner of steel fishplate for upright steel column; level surface.....	575. 45
Granger, 0.9 mi. N. of, 7 ft. E. of tracks, on NW. corner of concrete base of semaphore pole 907.2, on top of upright steel bolt; chiseled cross.....	575. 34
Granger, 1.7 mi. N. of, 8 ft. E. of tracks, on NW. corner of concrete base of semaphore pole 906.4, on top of upright iron bolt; chiseled cross.....	582. 18
From Round Rock quadrangle at point 5 miles southeast of Jonah along roads southeast to point on International-Great Northern Railroad 5 miles southwest of Taylor (by H. P. Jones in 1924)	
Jonah, 1.5 mi. E., thence 5.4 mi. SE. from, 5.0 mi. SW. along I. G. N. R. R., thence 0.9 mi. along rd. NW. from Taylor, 0.9 mi. N. of Yakey School, 15 ft. SE. of junction of rd. E., on limestone rock; highest point.....	650. 20

TAYLOR NO. 4 QUADRANGLE

[Latitude 30°30'-30°45'; longitude 97°00'-97°15']

LEE, MILAM, AND WILLIAMSON COUNTIES

Along roads southwest and northwest near north border of quadrangle (by A. P. Meade in 1910) ⁶⁴

[A jog from Buckholts quadrangle]

Holtzclaw Bridge over San Gabriel River, 0.25 mi. N. of, about 7.5 mi. NW. of Rockdale, 125 ft. NW. of small wooden bridge, on N. side of rd., near wire fence; iron post stamped "Prim Trav Sta No 61 Texas 1910".....	341. 352
Holtzclaw Bridge, about 3.75 mi. SW. of, 800 ft. W. of iron bridge over Brushy Creek, on N. side of rd., under telephone line; iron post stamped "Prim Trav Sta No 62 Texas 1910".....	352. 292
Brushy Creek, 300 ft. W. of, 500 ft. SE. of mouth of Alligator Creek, 500 ft. E. of house, on high ground; iron post stamped "Prim Trav Sta No 63 Texas 1910".....	369. 574
Tracy, about 1.8 mi. W. of, at NE. corner of intersection of Davala-Tracy and San Gabriel-Cameron rds.; iron post stamped "Prim Trav Sta No 64 Texas 1910".....	465. 448

⁶⁴ The figures of elevation shown here are unadjusted because of the excessive closure error of this line.

TEMPLE NO. 1 QUADRANGLE

[Latitude 31°15'–31°30'; longitude 97°00'–97°15']

FALLS AND McLENNAN COUNTIES

From Marlin No. 2 quadrangle at point about 5.2 miles north of Rising Sun Methodist Episcopal Church northwest along road across northeast corner of quadrangle into Elm Mott quadrangle (by C. H. Semper in 1909)

Rising Sun Methodist Episcopal Church, 5.4 mi. NW. of, on W. side of rd., in root of oak tree; spike.....	Feet 418. 93
Rising Sun Methodist Episcopal Church, 6.0 mi. NW. of, on W. side of rd., in root of oak tree; spike.....	416. 86
Rising Sun Methodist Episcopal Church, 6.4 mi. NW. of, 8.5 mi. SE. of Waco, at fence line, in root of oak tree; spike.....	419. 81

From Marlin No. 2 quadrangle at point near Rockdam Bridge along roads northwest and north along west side of Brazos River into Elm Mott quadrangle (by F. H. West in 1910)

Gurley, 3,000 ft. NE. of sta., on Gurley plantation, about 0.2 mi. SE. of house, at lone cedar tree; iron post stamped "Prim Trav Sta No 47 358".....	356. 596
Gurley plantation, 0.5 mi. N. of, in root of 15-in. elm tree; copper nail.....	357. 75
Gurley, 1.5 mi. N. of, 4.5 mi. S. of Downs, 85 ft. N. of milepost 276, 42 ft. E. of center line of track; iron post stamped "Prim Trav Sta No 48 369" ⁶⁶	367. 158
Downs, 2.5 mi. S. of, 29 ft. N. of milepost 278, 5 ft. from E. right-of-way fence; iron post stamped "Prim Trav Sta No 49 394" ⁶⁶	393. 160
U. S. C. & G. S. standard disk stamped "J 327 1935" ⁶⁷	393. 411
Downs, 0.5 mi. S. of sta., 150 ft. S. of rd. crossing, near milepost 280, 47 ft. E. of center line of track; iron post stamped "Prim Trav Sta No 50 402".....	399. 350
Downs, 0.4 mi. E. of, at edge of bottom, in root of 12-in. cottonwood tree; copper nail and washer.....	377. 46
Downs, 1.5 mi. NE. of; on S. side of old lane, about 900 ft. E. of Negro cabin; iron post stamped "Prim Trav Sta No 51 380".....	377. 252

From point 0.5 mile north of Gurley plantation north up west side of Brazos River to point 0.4 mile east of Downs (by E. L. McNair in 1910)

Gurley, 2.2 mi. N. of, at SE. corner of rd. junction, 30 ft. E. of twin oak tree; iron post stamped "Prim Trav Sta No 56 367".....	365. 415
Gurley, 4.0 mi. N. of, 0.5 mi. E., thence 0.9 mi. S. from Downs, near Bull Creek, about 1,000 ft. N. of public rd., about 400 ft. NE. of tenant house, at wire fence; iron post stamped "Prim Trav Sta No 57 379".....	377. 938

TERRAL QUADRANGLE⁶⁸

[Latitude 33°45'–34°00'; longitude 97°45'–98°00']

CLAY AND MONTAGUE COUNTIES

From bridge over Red River south of Terral south along Chicago, Rock Island & Gulf Railway to Ringgold, thence southeast along Missouri-Kansas-Texas Railroad into Nocona quadrangle (by E. W. Glafcke in 1899)

Terral, 1.2 mi. S. of, at Chicago, Rock Island & Gulf Ry. bridge over Red River, in W. end of N. pier; copper bolt ⁶⁹ (recovered in 1900).....	809. 218
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⁶⁶ In 1937 this bench mark was reported destroyed.

⁶⁷ The tie between this mark and the bench mark stamped "Prim Trav Sta No 49 394" was made in 1937.

⁶⁸ The area north of the Red River lies in Oklahoma.

⁶⁹ This bench mark was established by R. W. Coe in 1897 in leveling done in Indian Territory, now Oklahoma.

Terral, about 2 mi. S. of, 0.6 mi. NW., thence 3.0 mi. N. from Ringgold, at milepost 523, on E. side of track; top of section of rail set vertically-----	Feet 852. 845
Ringgold, 180 ft. E. of Missouri-Kansas-Texas R. R. sta., at end of platform, between main tracks and switch; iron post stamped "894 Gainv" (recovered in 1914; recovered also by U. S. C. & G. S. in 1902)-----	894. 414
Ringgold, 3.2 mi. SE. of, 4.0 mi. NW. of Belcherville, 150 ft. E. of milepost 752, 50 ft. N. of track, near right-of-way fence; iron post stamped "824 Gainv" (recovered by U. S. C. & G. S. in 1934)-----	824. 641
Belcherville, 60 ft. N. of sta., 10 ft. N. of switch, on principal street, at sidewalk intersection; iron post stamped "896 Gainv" (recovered by U. S. C. & G. S. in 1934)-----	897. 088
Belcherville, 3.5 mi. E. of, 3.7 mi. W. of Nocona, at rd. crossing, on E. side of rd., 6 ft. N. of track; iron post stamped "853 Gainv"-----	853. 677
From Montague No. 3 quadrangle northwest along Chicago, Rock Island & Gulf Railroad to bridge over Red River (by E. W. Glafcke in 1900)	
Stoneburg, 6.5 mi. NW. of, 0.6 mi. NW., thence 4.4 mi. SE. from Ringgold, at milepost 529; top of section of rail set vertically-----	869. 58
Ringgold, 0.6 mi. NW., thence 3.2 mi. SE. from, 1,300 ft. N. of milepost 528, at rd. crossing, 46 ft. E. of track; iron post stamped "897 Gainv" (recovered in 1914; recovered also by U. S. C. & G. S. in 1902)-----	896. 511
From crossing 0.6 mile northwest thence 3.2 miles southeast from Ringgold northwest along Chicago, Rock Island & Gulf Railway to Ringgold, thence northwest and west along Missouri-Kansas-Texas Railroad into Henrietta No. 1 quadrangle (by Roscoe Reeves in 1914)	
Ringgold, 0.6 mi. NW. of, 175 ft. S. of Missouri-Kansas-Texas R. R. track, 100 ft. W. of Chicago, Rock Island & Gulf Ry. track; top of small rock-----	864. 52
Ringgold, 2.8 mi. NW. of, two telegraph poles W. of house of G. T. Jackson, 10 ft. N. of M. K. T. R. R. track, 5 ft. W. of section post 111-112; iron post stamped "859"-----	859. 007
Near Stanfield ranch (by Roscoe Reeves in 1914)	
[A jog from Henrietta No. 1 quadrangle]	
Petrolia, 15.7 mi. SE. of, about 0.7 mi. W. of Stanfield ranch house, 420 ft. S. of gate to second-class rd. from ranch to Riverland School, 45 ft. N. of corner of fence W., in line with N.-S. fence; iron post stamped "879"-----	879. 035
THROCKMORTON NO. 1 QUADRANGLE	
[Latitude 33°15'-33°30'; longitude 99°00'-99°15']	
BAYLOR AND THROCKMORTON COUNTIES	
From Seymour No. 4 quadrangle alternately south and east along roads by way of Westover into Newcastle No. 2 quadrangle (by C. E. Walker in 1928)	
Rendham, about 3.5 mi. S. of, 5.2 mi. W. of Westover, 30 ft. N. and 60 ft. E. from junction of T-rd., at service sta., 35 ft. E. of fence corner, in fence line, in concrete post; standard tablet stamped "WA 85 Tex 1926"-----	1, 241. 067
Reference mark, 80 ft. E. of junction of T-rd., on W. corner of concrete base of gasoline tank; chiseled square-----	1, 240. 06
Westover, 4.1 mi. W. of, on top of hill, 113 ft. S. of rd., on S. side of lone 8-in. mesquite tree, 3 ft. above ground; spike-----	1, 267. 68

Westover, 2.7 mi. W. of, 50 ft. NW. of junction of T-rd. N., in fence line, in concrete post; standard tablet stamped "WA 86 Tex 1926".....	Feet 1, 257. 151
Westover, at NE. edge of, 20 ft. S. and 20 ft. E. from crossroads, 3 ft. inside fence, 25 ft. E. of fence corner, in concrete post; standard tablet stamped "WA 87 Tex 1926".....	1, 309. 649
Reference mark, 20 ft. S. and 15 ft. E. from intersection, in fence corner; top of 1-in. iron bar.....	1, 309. 76
Westover, 3.2 mi. S. of crossroads at NE. edge of, 280 ft. NW. of dry oil well, at junction of private T-rd. E., 35 ft. S. of fence corner, in concrete post; standard tablet stamped "WA 88 Tex 1926".....	1, 317. 953

THROCKMORTON NO. 3 QUADRANGLE

[Latitude 33°00'-33°15'; longitude 99°15'-99°30']

HASKELL AND THROCKMORTON COUNTIES

From Albany quadrangle northwest along roads on northeast side of Clear Fork of Brazos River to point 1 mile west of ranch of M. B. Gentry, thence southeast and back into Albany quadrangle (by Crawford Dickey in 1923)

Fort Griffin, 5.8 mi. NW. of, 300 ft. N. of Lamshead Creek, on W. side of rd., on rock post; chiseled square.....	1, 227. 53
Fort Griffin, 7.4 mi. NW. of, on W. side of rd., at gate to ranch of D. A. Key, 6 ft. S. of fence line, in rock post; standard tablet stamped "D 6 Texas 1923".....	1, 234. 523
Reference mark, 15 ft. S.65°W. of tablet, on rock post; chiseled square.....	1, 233. 81
Fort Griffin, 8.9 mi. NW. of, about 0.2 mi. SE. of residence of D. A. Key, 50 ft. E. of rd. fork, on N. side of rd., 6 ft. E. of SW. corner of rock fence, on rock post; chiseled square.....	1, 265. 67
Fort Griffin, 10.4 mi. NW. of, 1 ft. E. of fence line between ranches of D. A. Key and J. A. Matthews, 30 ft. N. of gate, on rock post; chiseled square.....	1, 381. 80
Fort Griffin, 11.3 mi. NW. of, about 300 ft. S. of Brazos River, at dam site, on cliff, in limestone ledge; standard tablet stamped "D 7 Texas 1923".....	1, 370. 561
Reference mark, 23 ft. N.65°E. of tablet, on rock; chiseled square....	1, 372. 02
Brazos River, 0.2 mi. N. of dam site; surface of water Jan. 24, 1923..	1, 220. 7
Dam site, 0.3 mi. W. of, on N. side of river, about 20 ft. S. of wire fence, in 6-in. mesquite tree; rail spike.....	1, 257. 25
Dam site, 1.0 mi. W. of, about 200 ft. N. of river, on limestone ledge; chiseled square.....	1, 256. 039
Dam site, 2.1 mi. NW. of, about 500 ft. E. of river, 250 ft. N. of third-class rd., in root of 10-in. twin mesquite tree; rail spike.....	1, 262. 12
Dam site, 2.2 mi. NW. of, on E. side of river, on bare hillside, in limestone ledge; standard tablet stamped "D 8 Texas 1923".....	1, 303. 924
Reference mark, 48 ft. S.30°W. of tablet, on limestone ledge; chiseled square.....	1, 300. 86
Dam site, 4.3 mi. NW. of, about 1,500 ft. N. of old ranch house, 100 ft. S. of river, on bluff, on limestone ledge; chiseled square.....	1, 278. 65
Dam site, 5.1 mi. NW. of, 300 ft. E. of river, 300 ft. W. of house of C. T. Brockman, on limestone ledge; chiseled square.....	1, 274. 95
Dam site, 6.1 mi. W. of, about 1,500 ft. N. of river, about 600 ft. E. of residence of M. B. Gentry, in limestone ledge; standard tablet stamped "D 5 Texas 1923".....	1, 287. 735
Reference mark, 2 ft. N.45°W. of tablet, on limestone ledge; chiseled square.....	1, 287. 80

Dam site, 7.1 mi. W. of, 1.1 mi. W. of residence of M. B. Gentry, about 1,000 ft. NW. of tenant house on ranch of J. A. Matthews, in triple mesquite tree; rail spike.....	Feet 1, 281. 917
Fort Griffin, 1.2 mi. S., thence 11.8 mi. NW. from, about 300 ft. N. of rd. fork, in rock ledge; standard tablet stamped "D 13 Texas 1923".....	1, 381. 081
Reference mark, 9 ft. N.80°W. of tablet, on rock ledge; chiseled square.....	1, 381. 23
Fort Griffin, 1.2 mi. S., thence 10.8 mi. NW. from, 20 ft. E. of rd., on limestone ledge; chiseled square.....	1, 372. 90
Fort Griffin, 1.2 mi. S., thence 9.8 mi. NW. from, 3.9 mi. NW. of residence of J. A. Matthews, 20 ft. E. of rd., in 6-in. mesquite tree; rail spike.....	1, 385. 98

TOLAR QUADRANGLE

[Latitude 32°15'-32°30'; longitude 97°45'-98°00']

ERATH, HOOD, AND SOMERVELL COUNTIES

From Granbury along roads south about 6 miles to point near Comanche Peak
(by Crawford Dickey in 1923; releveled by H. P. Kilby in 1924)

U. S. C. & G. S. copper bolt designated "S 3".....	725. 261
Granbury, at SW. corner of Hood County courthouse, in concrete post; standard tablet stamped "Prim Trav Sta No 11 Y 1923 D 18" ⁷⁰ (recovered by U. S. C. & G. S. in 1933).....	721. 606
Granbury, 0.8 mi. S. of, in SW. angle of crossroads, in field, in root of 18-in. oak tree; copper nail and washer.....	738. 96
Granbury, 2.3 mi. S. of, in SE. angle of junction of second-class rd. to old log house, in root of 12-in. oak tree; copper nail and washer....	701. 55
Granbury, 3.1 mi. S. of, 75 ft. N. of rd. junction, 30 ft. E. of rd., on N. side of Rock Creek, in rock ledge; standard tablet stamped "Prim Trav Sta No 12 Y 1923 Texas D 1" ⁷¹	755. 983
Reference mark, 156.3 ft. S.15°W. of tablet, on rock; chiseled square..	758. 12
Granbury, 4.2 mi. S. of, on W. side of Granbury-Glenrose rd., inside fence, at rd. to house of W. E. Fairman, in root of 8-in. oak tree; copper nail and washer.....	878. 78
Granbury, 5.2 mi. S. of, about 0.5 mi. E. of Comanche Peak, on W. side of second-class rd., in old field, in root of 10-in. oak tree; copper nail and washer.....	950. 13
Granbury, about 6 mi. S. of, about 400 ft. W. of junction of rd. N. through gate, on S. side of rd. W. along S. end of Comanche Peak, in concrete post; standard tablet stamped "Prim Trav Sta No 1 Y 1923 D 2".....	1, 002. 326
Reference mark, 43.6 ft. N.65°E. of tablet, on rock; chiseled square..	1, 006. 80

From point about 6 miles south of Comanche Peak along roads west to point 0.5 mile south of Mount Pleasant Church, thence north and northeast by way of Thorp Spring into Dennis quadrangle at point 4.3 miles north of Granbury (by Crawford Dickey in 1923)

Granbury, about 6 mi. SW. of, 1.2 mi. W. of Comanche Peak, on N. side of rd., in front of house, in root of 8-in. oak tree; copper nail and washer.....	950. 09
Comanche Peak, 2.0 mi. W. of, inside wire fence, in woods, in root of 10-in. oak tree; copper nail and washer.....	939. 83

⁷⁰ In 1936 this bench mark was reported destroyed.⁷¹ In 1940 this bench mark was reported destroyed.

512 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Comanche Peak, 3.0 mi. W. of, on S. side of rd., about 200 ft. E. of old stone house, in root of 30-in. oak tree; copper nail and washer.....	866. 83
Comanche Peak, about 4 mi. SW. of, about 1.5 mi. SE. of Mount Pleasant Church, in NE. angle of junction of T-rd. E., in concrete post; standard tablet stamped "Prim Trav Sta No 2 Y 1923 D 3"....	937. 797
Reference mark, 40 ft. S. of tablet, on rock; chiseled square.....	937. 83
Mount Pleasant Church, about 0.5 mi. S. of, in SE. angle of main rd. crossing, in root of 10-in. oak tree; copper nail and washer.....	969. 33
Mount Pleasant Church, about 0.75 mi. NW. of, about 7 mi. SW. of Granbury, in front of small house, on W. side of rd., in root of 14-in. oak tree; copper nail and washer.....	1, 002. 92
Mount Pleasant Church, about 2 mi. NW. of, about 3 mi. SE. of Tolar, in SW. angle of junction of T-rd. W., in concrete post; standard tablet stamped "Prim Trav Sta No 3 Y 1923 D 4".....	990. 132
Tolar, about 2 mi. SE. of, at angle in main rd. and junction of second-class rd. E. through gate at house, about 175 ft. W. of windmill, in root of 10-in. oak tree; copper nail and washer.....	978. 42
Tolar, about 2 mi. E. of, on S. side of rd., 150 ft. E. of T-rd. S., 100 ft. S. of R. R. track, in root of 18-in. oak tree with wire fence attached; copper nail and washer.....	1, 010. 47
Tolar, about 3 mi. E. of, on N. side of rd., 75 ft. S. of R. R. track, 140 ft. E. of concrete bridge, 2 ft. S. of wire fence, in concrete post; standard tablet stamped "Prim Trav Sta No 4 Y 1923 D 5".....	988. 064
Reference mark, on E. end of stone bridge; chiseled square.....	989. 90
Tolar, about 4.3 mi. NE. of, about 5 mi. W. of Granbury, about 1 mi. NW. of Friendship School, on W. side of rd., 100 ft. S. of second-class T-rd. W., in root of 8-in. oak tree; copper nail and washer....	1, 010. 85
Thorp Spring, 6.2 mi. SW. of, about 0.5 mi. W. of house of C. T. Cretsingler, on summit of hill, near clump of brush, on limestone ledge; chiseled square.....	945. 87
Thorp Spring, 4.9 mi. SW. of, about 0.5 mi. N. of Stroud Creek, 30 ft. SE. of junction of second-class rd. S. to Johnson ranch, in concrete post; standard tablet stamped "Prim Trav Sta No 5 Y 1923 D 6".....	886. 165
Reference mark, 16.4 ft. W. of tablet, in root of 18-in. oak tree; copper nail and washer.....	886. 53
Thorp Spring, 4.3 mi. SW. of, in front of residence of C. L. Brooks, on N. side of rd., in root of 20-in. oak tree; copper nail and washer....	831. 71
Thorp Spring, 2.9 mi. W. of, on S. side of rd., 330-ft. W. of second-class rd. S., at drain, in root of 48-in. elm tree; copper nail and washer.....	807. 06
Thorp Spring, 2.5 mi. W. of, 95 ft. NW. of junction of rd. NW., 33 ft. SE. of corner of field fence, 8 ft. SW. of elm tree, in concrete post; standard tablet stamped "Prim Trav Sta No 6 Y 1923 D 7".....	833. 057
Reference mark, 12 ft. E. of tablet, in root of 16-in. oak tree; copper nail and washer.....	832. 72
Thorp Spring, 1.5 mi. W. of, on N. side of rd., in cow lot, 200 ft. W. of house, in root of large triple oak tree; copper nail and washer.....	777. 00
Thorp Spring, in NE. corner of main crossing, 150 ft. NE. of store of Fowler & Davidson, in concrete post; standard tablet stamped "Prim Trav Sta No 7 Y 1923 D 8".....	765. 512
Reference mark, in root of 8-in. oak tree; copper nail and washer....	764. 05
Thorp Spring, 0.7 mi. E. of, at rd. junction, at summit of hill, in root of 30-in. twin oak tree; copper nail and washer.....	722. 21

Thorp Spring, 2.2 mi. NE. of, 3.6 mi. N., thence 0.4 mi. W. from Granbury, about 0.5 mi. SE. of old ford across Brazos River, 300 ft. E. of E. bank of river, 50 ft. W. of field fence, in root of 12-in. oak tree; copper nail and washer-----	Feet 714. 95
From Granbury east along Fort Worth & Rio Grande Railway into Godley quadrangle (by H. P. Kilby in 1923)	
Brazos River, at R. R. bridge; surface of water Oct. 10, 1923-----	708. 2
Granbury, 1.8 mi. NE. of, at second-class rd. crossing, on S. end of iron pipe under track; chiseled cross-----	728. 44
From Godley quadrangle at point 0.3 mile northwest of Mambrino along road northwest to point 3.1 miles south of Granbury (by H. P. Kilby in 1923; leveled twice)	
Mambrino, 1.0 mi. NW. of, at junction of T-rd. NE., on N. end of galvanized iron pipe under rd.; chiseled cross-----	818. 81
Mambrino, 2.0 mi. NW. of, at junction of rd. to ranch house, on N. side of rd., opposite gate, on rock; chiseled square-----	785. 54
Mambrino, 2.9 mi. NW. of, at gate, 30 ft. N. of mail box, on top of ledge; chiseled square-----	847. 95
From point 0.7 mile east of Thorp Spring southeast along roads to Granbury (by Crawford Dickey in 1923)	
Thorp Spring, 2.0 mi. SE. of, on W. side of rd., at junction of T-rd. SW., 300 ft. N. of entrance to Woodland place, in root of 10-in. oak tree; copper nail and washer-----	746. 04
Thorp Spring, 3.2 mi. SE. of, 1.2 mi. NW. of Hood County courthouse at Granbury, on N. side of angle in rd., in garden, in root of 8-in. mesquite tree; copper nail and washer-----	756. 65
From point 2.5 miles west of Thorp Spring generally northwest and north along road 3.5 miles into Dennis quadrangle (by Crawford Dickey in 1923)	
Thorp Spring, 3.5 mi. NW. of, at summit of hill, 35 ft. E. of center line of rd., on rock; chiseled square-----	893. 34
Thorp Spring, 4.6 mi. NW. of, 200 ft. N. of junction of second-class rd., 0.5 mi. NE. of windmill on ranch, 60 ft. E. of rd., on rock; chiseled square-----	915. 32
Thorp Spring, 5.8 mi. NW. of, about 0.5 mi. S. of Robinson Creek, in rd. fork, in concrete post; standard tablet stamped "Prim Trav Sta No 21 Y 1923 D 10" ⁷² -----	853. 984
Reference mark, 71 ft. S.35°E. of tablet, on rock; chiseled square----	856. 66

TOW QUADRANGLE

[Latitude 30°45'-31°00'; longitude 98°15'-98°30']

BURNET, LLANO, AND SAN SABA COUNTIES

From Burnet No. 1 quadrangle at point 5.4 miles southeast of Naruna along roads northwest to Naruna, thence southwest to Bluffton, thence southeast and back into Burnet No. 1 quadrangle at point about 2 miles west of Burnet (by Thomas Winsor in 1899)

Naruna, 4.2 mi. SE. of, at junction of settlement rd. N., 750 ft. SE. of old R. R. grade, 50 ft. NW. of SW. fence corner; iron post stamped "1468 SA"-----	1, 461. 330
Naruna, 2.5 mi. SE. of, 700 ft. SE. of Littlepage residence, opposite angle in rd.; 20 ft. N. of S. fence line, in limestone outcrop; standard tablet stamped "1500 SA"-----	1, 493. 076

⁷² In 1936 this bench mark was reported destroyed.

514 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Naruna, 170 ft. SE. of Baptist Church, at intersection of Austin-San Saba and Llano-Lampasas rds.; iron post stamped "1476 SA"-----	Feet 1, 469. 161
Naruna, 3.0 mi. SW. of, on N. side of 18-in. post-oak tree in middle of lane, on W. side of rd., at bend, in limestone outcrop; aluminum tablet stamped "1455 SA"-----	1, 448. 505
Naruna, 6.0 mi. SW. of, 8.3 mi. NE. of Bluffton, 80 ft. W. of small drain, 15 ft. S. of rd., 25 ft. NW. of blazed 12-in. post-oak tree, in limestone outcrop; standard tablet stamped "1457 SA"-----	1, 450. 439
Bluffton, 4.6 mi. NE. of, at high point in open pasture, 15 ft. SE. of rd., in limestone outcrop; aluminum tablet stamped "1399 SA"-----	1, 392. 046
Bluffton, 1.6 mi. N. of, 100 ft. NE. of gate, 35 ft. W. of rd., on rocky hillside, 30 ft. N. of 6-in. blazed live-oak tree, in red sandstone outcrop; aluminum tablet stamped "1006 SA" (recovered in 1924) ..	999. 206
Bluffton, at junction of Burnet-Llano and Bluffton-Lampasas rds., 7 ft. E. of NE. fence corner; iron post stamped "1012 SA"-----	1, 005. 305
Bluffton, 1.2 mi. SE. of, at junction of rd. NE. to McDonald mill, 200 ft. SE. of SE. bank of Colorado River, on NE. side of rd.; iron post stamped "948 SA" (recovered in 1924)-----	941. 360
Bluffton, 4.2 mi. SE. of, 9.0 mi. of Burnet, on N. side of rd., 10 ft. E. of 18-in. post-oak tree used as fence post at angle; iron post stamped "1227 SA"-----	1, 220. 293
Burnet, 6.0 mi. NW. of, at junction of settlement rd. W., on SW. side of rd., in pink granite outcrop; aluminum tablet stamped "1285 SA" ..	1, 278. 299
Burnet, 2.2 mi. W. of, at junction of old Fort Mason-Burnet rd.; iron post stamped "1403 SA" and "Prim Trav Sta No 41 K 1924" (recovered in 1924)-----	1, 395. 599
<p>From Bluffton along roads west 2 miles, thence northwest into Llano No. 1 quadrangle at point 4.4 miles southeast of Boyt ranch (by Thomas Winsor in 1899)</p>	
Bluffton, 2.0 mi. W. of, 5.1 mi. SE. of Tow, at junction of Burnet-Llano and Bluffton-San Saba rds.; iron post stamped "1027 SA" ..	1, 020. 312
Tow, 2.0 mi. SE. of, at intersection of settlement rd., on NE. side of rd., 7 ft. SE. of gate; iron post stamped "1034 SA" (recovered in 1924)-----	1, 027. 218
Tow, at junction of settlement rd. W., at NE. corner of post office, 400 ft. NW. of schoolhouse; iron post stamped "1025 SA"-----	1, 018. 072
Tow, 3.5 mi. NW. of, 3.5 mi. SE. of Ramsey ranch house, on S. bank of Falls Creek, on W. side of rd., in bench of limestone bluff, 3 ft. above ground; aluminum tablet stamped "1166 SA"-----	1, 159. 471
Ramsey ranch house, 70 ft. E. of, 4.7 mi. SE. of Boyt ranch, 5 ft. NE. of gate, in limestone boulder; standard tablet stamped "1368 SA" ..	1, 361. 200
<p>From point 2 miles west of Bluffton along road west 3 miles (by Thomas Winsor in 1899; spur line leveled twice)</p>	
Bluffton, 5.0 mi. W. of, at NW. corner of cultivated field, on S. side of rd., near corner of rail fence; iron post stamped "1084 SA" and "Prim Trav Sta No 78 K 1924"-----	1, 077. 274
<p>From point 2.2 miles west of Burnet generally north along roads near east border of quadrangle to point 9 miles north of Burnet" (by E. E. Harris in 1924)</p>	
Burnet, 2.0 mi. W., thence 0.8 mi. N. from, 0.8 mi. N. of ranch house of Jake Clements, 140 ft. N. of plank gate in fence line crossing rd., on E. side of rd., in root on S. side of 6-in. mesquite tree; copper nail and washer-----	1, 432. 10

⁷³ This line also appears in Burnet No. 1 quadrangle, into which it jogs.

	<i>Feet</i>
Clements ranch house, 1.8 mi. N. of, in NE. corner of rd. junction, just W. of site of old Hamilton Valley School, in root on W. side of 30-in. live-oak tree; copper nail and washer.....	1, 363. 88
Clements ranch house, 3.0 mi. N. of, in SW. corner of junction of Burnet-San Saba rd. and Morgan Creek rd., in right angle in fence line, 4 ft. from each fence; iron post stamped "Prim Trav Sta No 37 K 1924 Texas H 157".....	1, 416. 729
Clements ranch house, 4.6 mi. N. of, on E. side of Burnet-San Saba rd., 80 ft. S. of junction of dim rd. W. through plank gate to Glimps ranch, on top of sandstone ledge; chiseled square.....	1, 545. 31
Clements ranch house, 5.2 mi. N. of, on E. edge of angle in Burnet-San Saba rd., 450 ft. N. of rd. junction, in fence line, in root on W. side of 6-in. cedar tree; copper nail and washer.....	1, 535. 86
Clements ranch house, 6.4 mi. N. of, on E. side of sharp turn in Burnet-San Saba rd., 30 ft. N. of junction of rd. S. through gate, 2 ft. E. of fence line; iron post stamped "Prim Trav Sta No 38 K 1924 Texas H 158".....	1, 480. 360
Clements ranch house, 7.5 mi. N. of, about 0.8 mi. S. of Peeble Mound School, on W. side of Burnet-San Saba rd., 80 ft. S. of junction of rd. NE. through gate, in fence line, in root on E. side of 8-in. cedar tree; copper nail and washer.....	1, 396. 71
Peeble Mound School, about 0.5 mi. NE. of, 9.0 mi. N., thence 1.1 mi. W. from Burnet, in NW. angle of junction of rd. W., 250 ft. N. of house, in root on S. side of 12-in. mesquite tree; copper nail and washer.....	1, 426. 73

From point 4.6 miles north of ranch of Jake Clements along roads northwest and west to point 1.6 miles north of Bluffton (by E. E. Harris in 1924)

Clements ranch house, 4.6 mi. N., thence 1.2 mi. W. from, about 400 ft. SW. of Glimps ranch house, 30 ft. N. of rd., in root on N. side of 10-in. cedar tree; copper nail and washer.....	1, 549. 68
Glimps ranch house, 1.0 mi. NW. of, on W. side of rd., 20 ft. S. of milepost "Burnet 6 miles," in top of prominent sandstone ledge; standard tablet stamped "H 159 1924".....	1, 324. 754
Reference mark, 58.2 ft. S. of tablet, on sandstone ledge; chiseled square.....	1, 326. 26
Glimps ranch house, 1.6 mi. NW. of, in NE. corner of rd. junction, 10 ft. W. of plank gate in fence line crossing rd., on W. bank of Council Creek, on top of prominent sandstone ledge; chiseled square.....	1, 233. 64
Glimps ranch house, 2.5 mi. NW. of, 900 ft. NW. of gate in fence line crossing rd., on N. side of rd., on divide between Council and Morgan Creeks, on rock ledge; chiseled square.....	1, 301. 32
Glimps ranch house, 3.5 mi. NW. of, 1.7 mi. SE. of ranch of Newt Baker, on S. side of rd. junction, on N. side of divide between Council and Morgan Creeks, 2 ft. E. of fence line; iron post stamped "H 160 1924".....	1, 259. 836
Reference mark, 137.3 ft. S.30°W. of iron post, in root on E. side of 10-in. mesquite tree; copper nail and washer.....	1, 256. 93
Baker ranch, 0.5 mi. SE. of, in rd. fork, in root on S. side of 8-in. cedar tree; copper nail and washer.....	1, 175. 98
Baker ranch, 0.9 mi. W. of, 30 ft. W. of dim rd. junction, 80 ft. S. of ford across Morgan Creek, in root on E. side of 15-in. mesquite tree; copper nail and washer.....	1, 007. 26

516 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Baker ranch, 1.4 mi. W. of, 20 ft. S. of center line of rd., at junction of North and South Forks of Morgan Creek, in prominent sandstone ledge; standard tablet stamped "H 161 1924"-----	Feet 985. 883
Reference mark, 33.1 ft. N.30°E. of tablet, on ledge; chiseled square---	984. 47
Baker ranch, 2.5 mi. W. of, in rd. fork, 700 ft. E. of junction of Morgan and Council Creeks, in root on E. side of leaning red-oak tree; copper nail and washer-----	965. 38
Baker ranch, 3.0 mi. W. of, in NW. corner of rd. junction, in root on S. side of 6-in. mesquite tree; copper nail and washer-----	957. 64
Baker ranch, 3.3 mi. W. of, 0.7 mi. SE. of ranch of Awk Chestnut, at rd. junction, on W. side of rd., 20 ft. N. of fence line, in top of sandstone ledge; standard tablet stamped "H 162 1925"-----	995. 073
Chestnut ranch, 0.4 mi. W. of, on N. side of rd., 1 ft. W. of corner post of plank gate in fence line crossing rd., on top of sandstone ledge; chiseled square-----	989. 67
Chestnut ranch, 0.8 mi. W. of, 1.0 mi. N. of Bluffton, on N. side of rd., 60 ft. E. of rd. junction, in root on W. side of small mesquite tree; copper nail and washer-----	959. 73
<p>From point 2.2 miles west of Burnet along roads generally west to point 2.5 miles south of O K School, thence north and northeas to point 1.2 miles southeast of Bluffton (by E. E. Harris in 1924)</p>	
Burnet, 3.2 mi. W. of, 2.4 mi. E. of McFarland Ford across Spring Creek, on N. side of rd., 600 ft. W. of ranch house, 350 ft. E. of angle in rd., in root on E. side of most prominent of three live-oak trees; copper nail and washer-----	1, 309. 12
McFarland Ford across Spring Creek, 1.3 mi. E. of, on N. side of rd., in saddle, 900 ft. E. of gate in fence line crossing rd., in root on E. side of prominent oak tree; copper nail and washer-----	1, 207. 89
McFarland Ford, 300 ft. E. of, 70 ft. N. of rd., in seat of chair-shaped sandstone ledge; standard tablet stamped "Prim Trav Sta No 42 K 1924 H 154"-----	1, 065. 517
Reference mark, 49.3 ft. N.30°W. of tablet, on sandstone boulder; chiseled square-----	1, 061. 18
McFarland Ford, 1.1 mi. W. of, on S. side of rd., 250 ft. W. of drain, 500 ft. SE. of ranch house, in root on N. side of 18-in. post-oak tree; copper nail and washer-----	1, 037. 20
McFarland Ford, 2.3 mi. W. of, on N. side of angle in rd., 50 ft. E. of gate in fence line crossing rd., in root on E. side of 8-in. elm tree; copper nail and washer-----	965. 95
McFarland Ford, 3.3 mi. W. of, on N. side of rd., 60 ft. E. of gate in fence line crossing rd., in root on E. side of 6-in. mesquite tree; copper nail and washer-----	948. 99
McFarland Ford, 4.1 mi. W. of, 2.5 mi. S., thence 2.0 mi. E. from O K School, on Atkinson ranch, about 200 ft. E. of house, 100 ft. N. of angle in rd., on top of prominent granite ledge; NE. corner of chiseled cross-----	907. 46
O K School, 2.5 mi. S., thence 1.0 mi. E. from, in NE. corner of junction of Burnet-Spring Creek rd. and old Kingsland-Bluffton rd., in top of sandstone ledge; standard tablet stamped "Prim Trav Sta No 43 K Texas 1924 H 155"-----	926. 512
Reference mark, 42.3 ft. W. of tablet, in root on S. side of 12-in. live-oak tree; copper nail and washer-----	924. 08
O K School, 2.5 mi. S. of, at junction of rd. W., on N. side of rd., in root on E. side of 15-in. dead live-oak tree; copper nail and washer---	983. 72

	<i>Feet</i>
O K School, 1.6 mi. S. of, 80 ft. N. of junction of rd. SW., 600 ft. N. of plank gate in fence line crossing rd., on W. side of rd., on N. end of prominent granite ledge; chiseled square.....	975. 71
O K School, 0.25 mi. S. of, 550 ft. N. and 200 ft. W. from crossroads, in top of large granite ledge, flush with ground; standard tablet stamped "Prim. Trav Sta No 54 K 1924 Texas. H 156".....	1, 041. 800
Reference mark, 138 ft. E. of tablet, in root on N. side of 18-in. live-oak tree; copper nail and washer.....	1, 042. 79
O K School, 1.0 mi. N. of, 60 ft. W. of rd., on S. bank of creek, 120 ft. N. of rd. forks, in root on W. side of 18-in. oak tree; copper nail and washer.....	957. 92
O K School, 1.8 mi. N. of, on W. side of rd., in front of house, in root on S. side of 30-in. post-oak tree; copper nail and washer.....	959. 65
O K School, 1.8 mi. N., thence 1.2 mi. NE. from, about 1.5 mi. SE. of Bluffton, 750 ft. SW. of Burnet-Llano rd., in NE. corner of crossroads, in root on E. side of 20-in. post-oak tree; copper nail and washer.....	982. 29

From point 1.6 miles north of Bluffton along roads generally west to point 2 miles southeast of Tow (by E. E. Harris in 1924)

Bluffton, 2.3 mi. N. of, in SE. corner of rd. junction, 50 ft. E. of signpost "Stevens Bend 4 miles," in root on E. side of 8-in. mesquite tree; copper nail and washer.....	1, 042. 77
Bluffton, 2.3 mi. N., thence 0.5 mi. W. from, on S. side of rd., 50 ft. E. of rd. fork, in root on S. side of 12-in. post-oak tree; copper nail and washer.....	1, 036. 13
Bluffton, 2.3 mi. N., thence 1.2 mi. SW. from, 3.3 mi. SE., thence 0.8 mi. W. from Tow, at ford across Colorado River, 30 ft. E. of water's edge, on prominent sandstone ledge; chiseled square.....	942. 03
Colorado River, at ford; surface of water Dec. 8, 1924.....	939. 0
Tow, 3.3 mi. SE. of, on W. side of rd., just N. of rd. junction, in root on E. side of northernmost of two prominent live-oak trees; copper nail and washer.....	981. 11
Tow, 2.4 mi. SE. of, on E. side of rd., just N. of summit of grade, in root on W. side of prominent post-oak tree; copper nail and washer.....	1, 054. 26

From point 5 miles west of Bluffton along roads south, southeast, and southwest into Marble Falls quadrangle at point 2.9 miles north of Long Mountain School (by E. E. Harris in 1924)

Bluffton, 5.0 mi. W., thence 1.2 mi. SE. from, 2.9 mi. NW. of ranch-house of Al Wells, on S. side of rd., in root on N. side of 15-in. post-oak tree; copper nail and washer.....	1, 051. 18
Wells ranch house, 1.7 mi. N. of, on N. side of angle in rd., in root on N. side of 18-in. post-oak tree; copper nail and washer.....	1, 048. 36
Wells ranch house, 600 ft. NE. of, 15 ft. W. of rd., 5 ft. S. of plank gate in fence line crossing rd.; iron post stamped "H 168 1924".....	979. 146
Reference mark, 106 ft. S. of tablet, in root on W. side of forked mesquite tree; copper nail and washer.....	974. 95
Wells ranch house, 1.0 mi. SW. of, on S. side of rd., in root on N. side of 15-in. post-oak tree; copper nail and washer.....	1, 059. 77
Wells ranch house, 2.2 mi. SW. of, 50 ft. S. of rd., just E. of dim rd. fork, 40 ft. E. of wire gap in fence line crossing rd., in root on N. side of 10-in. mesquite tree; copper nail and washer.....	1, 057. 03

518 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Wells ranch house, 2.6 mi. SW. of, 3.7 mi. NE. of Long Mountain School, 60 ft. N. of dim cross rd., 20 ft. E. of rd., 2 ft. N. of plank gate in fence line crossing rd., in concrete post; standard tablet stamped "H 167 1924"-----	<i>Feet</i> 1, 032. 363
Reference mark, 73.6 ft. S.30°W. of iron post, in root on W. side of 20-in. live-oak tree; copper nail and washer-----	1, 031. 07
From point 2 miles southeast of Tow along roads northwest 0.7 mile, thence southwest and southeast to point 5 miles west of Bluffton (by R. G. Clinite in 1924)	
Tow, 1.3 mi. SW. of, in SE. corner of junction of Llano-Tow rd. and Bluffton rd., in root on E. side of 12-in. Spanish-oak tree; copper nail and washer-----	1, 028. 43
Tow, 1.3 mi. SE., thence 1.1 mi. SW. from, on NW. side of rd., 25 ft. SW. of gate in fence line crossing rd., in root on E. side of 6-in. mesquite tree; copper nail and washer-----	1, 105. 34
Tow, 1.3 mi. SE., thence 1.8 mi. SW. from, 35 ft. SE. of Llano rd., 35 ft. SW. of second-class cross rd.; iron post stamped "Prim Trav Sta No 77 K 1924 Texas H 163"-----	1, 146. 078
Reference mark, 184 ft. S.45°W. of post, in root on E. side of 15-in. post-oak tree; copper nail and washer-----	1, 141. 38
Tow, 1.3 mi. SE., thence 2.6 mi. SW. from, 5.0 mi. W., thence 1.7 mi. NW. from Bluffton, 40 ft. S. and 120 ft. E. from crossroads, at plank gate in fence line crossing rd., in root on N. side of 15-in. Spanish-oak tree; copper nail and washer-----	1, 157. 62
Bluffton, 5.0 mi. W., thence 0.8 mi. NW. from, on S. side of angle in rd., 100 ft. E. of gate in fence line crossing rd., in root on E. side of 12-in. post-oak tree; copper nail and washer-----	1, 116. 24

VALLEY MILLS QUADRANGLE

[Latitude 21°30'-31°45'; longitude 97°15'-97°30']

BOSQUE AND McLENNAN COUNTIES

From Elm Mott quadrangle at point 1.4 miles south of Speegleville along roads north to Speegleville, thence east and back into Elm Mott quadrangle (by C. E. Reick in 1923)

Speegleville, 1.2 mi. S. of, 40 ft. SW. of junction of T-rd. SW., in concrete post; standard tablet stamped "R 4 Texas 1923" ⁷⁴ -----	503. 174
Speegleville, at SE. corner of school building, on concrete walk; chiseled square-----	483. 00

From Elm Mott quadrangle at point about 2.5 miles south of Speegleville along roads west to Windsor, thence northwest to point 2.9 miles northwest of Ocee, thence generally northeast to point 1.5 miles northeast of Eichelberger Crossing of North Bosque River, thence generally southeast and back into Elm Mott quadrangle at point about 2.8 miles southeast of Erath (by C. E. Reick in 1923)

Speegleville, about 2 miles S. of, 5.7 mi. by rd. E. of Windsor, in NW. angle of rd. junction, 100 ft. S. of house of W. H. Warren, in root on S. side of 10-in. hackberry tree; copper nail-----	492. 42
Windsor, 5.0 mi. E. of, 0.5 mi. NE. of bridge over Hog Creek, 30 ft. S. of junction of T-rd. NW., in fence corner, in concrete post; standard tablet stamped "R 10 Texas 1923"-----	504. 550
Reference mark, 160 ft. W. of rd. junction, in root on S. side of 15-in. oak tree; copper nail-----	503. 61

⁷⁴ In 1938 this bench mark was reported destroyed.

	<i>Feet</i>
Hog Creek; surface of water Oct. 11, 1923.....	456. 9
Windsor, 4.1 mi. E. of, 0.4 mi. W. of Hog Creek bridge, on N. side of rd., in root of 12-in. double elm tree; copper nail.....	501. 74
Windsor, 3.1 mi. E. of, in NW. corner of pasture of G. W. Anderson, in root of 20-in. double oak tree; copper nail.....	554. 38
Windsor, 2.2 mi. E. of, 30 ft. N. of right-angle turn in rd., in concrete post; standard tablet stamped "R 12 Texas 1923".....	572. 930
Reference mark, 100 ft. N. of right-angle turn in rd., in root of 12-in. oak tree; copper nail.....	573. 11
Windsor, 1.2 mi. E. of, at right-angle turn in rd., on W. side of rd., in root of 10-in. mesquite tree; iron spike.....	590. 58
Windsor, 0.4 mi. NE. of, in S. angle of junction of T-rd. SE.; top of iron pipe.....	602. 54
Windsor, 0.6 mi. NW. of, in center of triangle of rd. fork, in concrete post; standard tablet stamped "R 13 Texas 1923".....	612. 388
Reference mark, 41.2 ft. S. of tablet, 6 in. below ground; top of iron pipe.....	611. 08
Windsor, 1.6 mi. NW. of, 0.7 mi. SW., thence 0.7 mi. SE. from Ocee, 30 ft. N. of junction of rd. NE., on bank; top of iron pipe.....	634. 59
Ocee, 0.7 mi. SW. of, 20 ft. NW. of rd. junction, on bank; top of iron pipe.....	635. 67
Hog Creek, at bridge at Ocee; surface of water Oct. 19, 1923.....	561. 4
Ocee, 80 ft. NW. of rd. junction at, on W. side of rd. N., at rear of blacksmith shop, in concrete post; standard tablet stamped "R 14 Texas 1923".....	576. 140
Reference mark, 180 ft. NW. of rd. junction, in root of 20-in. pecan tree; copper nail.....	575. 21
Ocee, 0.9 mi. NW. of, at turn in rd. to N., 20 ft. S. of rd., on bank of Hog Creek, in root on W. side of 20-in. pecan tree; copper nail....	591. 74
Ocee, 2.0 mi. NW. of, at junction of rd. to Valley Mills, on E. side of rd.; top of iron pipe.....	637. 22
Ocee, 2.9 mi. NW. of, 50 ft. E. of rd. junction, on bank, in concrete post; standard tablet stamped "R 15 Texas 1923".....	661. 106
Reference mark, in SE. angle of rd. junction, in root on W. side of 10-in. mesquite tree; copper nail.....	659. 92
Ocee, 2.9 mi. NW., thence 1.1 mi. NE. from, 250 ft. SE. of residence of Roy Clark; top of iron pipe.....	661. 88
Ocee, 2.9 mi. NW., thence 1.9 mi. E. from, 4.4 mi. SW., thence 0.9 mi. NW. from Eichelberger Crossing of North Bosque River, on W. side of rd., in root of 10-in. hackberry tree; copper nail.....	652. 55
Eichelberger Crossing, 3.8 mi. SW. of, on W. side of rd., 280 ft. NW. of junction of T-rd. NW., on rock; chiseled square.....	595. 50
Eichelberger Crossing, 3.2 mi. SW. of, 120 ft. SE. of residence of Wm. Carbell, in concrete post; standard tablet stamped "R 16 Texas 1923".....	586. 206
Reference mark, 160 ft. SE. of Carbell residence, in root on W. side of 40-in. oak tree; copper nail.....	584. 26
Eichelberger Crossing, 2.2 mi. SW. of, 60 ft. SW. of crossroads, in root on E. side of 20-in. oak tree; copper nail.....	545. 09
Eichelberger Crossing, 1.3 mi. SW. of, on N. side of rd., in root on S. side of 40-in. oak tree; copper nail.....	535. 10
Eichelberger Crossing, 500 ft. S. of North Bosque River, on W. side of rd., in root of 30-in. oak tree; copper nail.....	465. 95

520 SPIRIT LEVELING IN TEXAS—PART 4, NORTH-CENTRAL TEXAS

North Bosque River, at Eichelberger Crossing; surface of water Oct. 24, 1923	Feet 441. 2
Eichelberger Crossing, 450 ft. N. of North Bosque River, on E. side of rd., on bank, in concrete post; standard tablet stamped "R 17 Texas 1923"	463. 069
Eichelberger Crossing, 0.7 mi. N. of, 50 ft. SE. of crossroads, on rock in place; chiseled square	548. 69
Eichelberger Crossing, 1.5 mi. NE. of, about 2 miles W. of Erath, on S. side of rd., 50 ft. SE. of rd. fork, in root of 8-in. mesquite tree; copper nail	530. 10
Erath, about 1 mi. NW. of, 1,500 ft. W. of Meridian highway, in SW. angle of rd. junction, in concrete post; standard tablet stamped "R 18 Texas 1923"	563. 724
Reference mark, 40 ft. N. of rd. junction, in root of 12-in. mesquite tree; copper nail	564. 16
Erath, about 1.8 mi. SW. of, on W. side of rd., 50 ft. S. of rd. W., in root of 30-in. elm tree; copper nail	464. 37
Erath, about 2.6 mi. SE. of, 100 ft. E. of right-angle turn in rd., in in root on S. side of 10-in. mesquite tree; copper nail	508. 55

VERNON QUADRANGLE

[Latitude 34°00'–34°15'; longitude 99°15'–99°30']

FOARD, HARDEMAN, AND WILBARGER COUNTIES

From Davidson quadrangle northwest along Fort Worth & Denver City Railway into Elmer quadrangle (by C. E. Reick in 1925; leveled twice)

Vernon, 200 ft. NW. of Fort Worth & Denver City Ry. sta., 30 ft. E. of Main Street, in marble post; standard tablet stamped "R 29 Tex 1925"	1, 201. 801
Reference mark, 40 ft. W. of tablet, on concrete culvert; chiseled square	1, 200. 09
Vernon, top of milepost 163 (F. W. & D. C. Ry. B. M. 1199.06)	1, 199. 89
Vernon, in front of sta.; top of rail	1, 202. 7
Vernon, 1.6 mi. NW. of, 50 ft. SW. of milepost 165, on concrete bridge abutment; chiseled square	1, 198. 68
Vernon, 2.1 mi. NW. of, in SE. angle of rd. crossing, 35 ft. E. of center line of highway, in marble post; standard tablet stamped "R 30 Tex 1925" (recovered by U. S. C. & G. S. in 1933)	1, 198. 311
Reference mark, 60 ft. W. of tablet; top of iron rod	1, 197. 88
Vernon, 3.1 mi. NW. of, at N. end of bridge over Pease River, on E. side of track, on concrete abutment; chiseled square	1, 209. 81
Vernon, 4.6 mi. NW. of, 300 ft. E. of milepost 168. on S. end of highway culvert; chiseled square	1, 256. 14
Vernon, 5.6 mi. NW. of, 2.5 mi. SE. of Tolbert, 200 ft. E. of milepost 169, 46 ft. NE. of track, in marble post; standard tablet stamped "R 31 Tex 1925" (recovered by U. S. C. & G. S. in 1933)	1, 268. 777
Reference mark, 30 ft. W. of tablet; top of pipe filled with concrete	1, 269. 47
Tolbert, 1.6 mi. SE. of, 800 ft. SE. of milepost 170, in SE. angle of rd. crossing; top of iron pipe filled with concrete	1, 274. 31
Tolbert, 0.5 mi. SE. of, 140 ft. SE. of milepost 171, on SE. corner of concrete bridge; chiseled square	1, 285. 25
Tolbert, 240 ft. NW. of sta., 40 ft. S. of rd., in concrete post; standard tablet stamped "R 32 Tex 1925" (recovered by U. S. C. & G. S. in 1933)	1, 288. 580

Reference mark, 960 ft. NW. of tablet, on N. end of concrete highway culvert; chiseled square.....	Feet 1, 293. 70
Tolbert, in front of sta.; top of rail.....	1, 289. 6
Tolbert, 2.8 mi. NW. of, 800 ft. NW. of milepost 174, 30 ft. SW. of rd. crossing, in concrete post; standard tablet stamped "R 33 Tex 1925" (recovered by U. S. C. & G. S. in 1933).....	1, 387. 343

VIVIAN QUADRANGLE

[Latitude 34°00'-34°15'; longitude 99°45'-100°00']

COTTLE, FOARD, AND HARDEMAN COUNTIES

From Acme quadrangle along roads south 0.6 mile to Forestburg School, thence west 3 miles, thence north 0.6 mile and back into Acme quadrangle (by R. W. Burchard in 1925)

Forestburg School, about 5 mi. SW. of Quanah, 127 ft. SE. of SE. corner of building, in SE. corner of yard, 77 ft. S. and 27 ft. W. from junction of T-rd. E., in concrete post; standard tablet stamped "Prim Trav Sta No 15 Y 1925".....	1, 552. 652
Reference mark, 8.2 ft. NE. of tablet, on top of flat rock barely exposed; chiseled cross.....	1, 552. 14
Forestburg School, 3.0 mi. W. of, at turn from W. to N. in rd., 26 ft. N. and 21 ft. E. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 16 Y 1925".....	1, 627. 070
Reference mark, 8.8 ft. N. of tablet, on rock projecting 3 in. above ground; top of rock.....	1, 626. 95

From Acme quadrangle at point 3 miles west and 0.5 mile south from Middleburg School along roads south and southwest to Pease River, thence across country and along roads south and west of river to point near Foard-Hardeman county line, thence northeast and north to Forestburg School (by R. W. Burchard in 1925)

Middleburg School, 3.0 mi. W., thence 1.0 mi. S. from, 4.4 mi. NE. of 7-L Crossing of Pease River, at SW. corner of bend of rd. to W., on rock projecting 3 in. above ground; top of rock.....	1, 602. 30
7-L Crossing of Pease River, 3.4 mi. NE. of, at end of rd., at SE. corner fence post, on rock projecting 3 in. above ground; top of rock....	1, 647. 37
7-L Crossing, 2.4 mi. NE. of, 30 ft. W. of center line of rd., at wire gate in E.-W. fence line, 2 ft. S. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 70 K 1925".....	1, 620. 625
Reference mark, 9.5 ft. E. of tablet, 13 ft. W. of gate, on rock projecting 3 in. above ground; top of rock.....	1, 621. 06
7-L Crossing, 1.2 mi. NE. of, 20 ft. E. of point of ridge where rd. begins steep descent to river, on rock outcrop, marked by cairn; chiseled square.....	1, 629. 25
7-L Crossing, 0.2 mi. N. of, at N. end of short narrow lane, 10 ft. E. of wire gate, in base of leaning 6-in. mesquite tree; copper nail and washer.....	1, 423. 00
Pease River, at 7-L Crossing; surface of water Oct. 7, 1925.....	1, 408. 5
7-L Crossing, 0.6 mi. SE. of, 20 ft. W. of center line of rd., at junction of rd. S., at wire gate in E.-W. wire fence, 2 ft. S. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 69 K 1925".....	1, 469. 056
7-L Crossing, 1.8 mi. SE. of, 2.8 mi. NW. of Moore ranch house, 600 ft. NW. of mouth of Little Cactus Creek at point of bluff, 50 ft. SW. of bank of river, 20 ft. W. of wire fence, in base of 10-in. wild chinaberry tree; spike.....	1, 408. 74

522 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Moores Crossing of Pease River; surface of water at normal flow Oct. 10, 1925.....	1, 389. 5
Moore ranch house, 200 ft. NW. of, at stock chute to corral, on concrete base of S. gatepost; chiseled square.....	1, 429. 35
Moore ranch house, 0.2 mi. SE. of, 10 ft. W. of rd. to 7-L ranch, 500 ft. SW. of wire gate, in base of clump of cedar trees; copper nail and washer.....	1, 451. 55
Moore ranch house, 1.6 mi. SE. of, 1.0 mi. N. of mouth of Yampalita Creek, 335 ft. W. of W. bank of Pease River, in N. end of flat, 60 ft. W. of rd. at point 200 ft. S. of its emergence from small ravine, in sandstone boulder set in place; standard tablet stamped "Prim Trav Sta No 72 K 1925".....	1, 384. 335
Moore ranch house, 3.7 mi. SE. of, 300 ft. W. of W. bank of river, at abandoned windmill tower, in SW. leg, about 2 ft. above ground; copper nail and washer (traverse sta. "Windmill").....	1, 372. 39
Pease River, 9.8 mi. SW. of Forestburg School, between T-fence E. and traverse sta. "Windmill" on W. side of river; surface of water Oct. 5, 1925.....	1, 363. 0
Forestburg School, 8.8 mi. SW. of, 100 ft. E. of T-fence N., 2 ft. N. of S. fence of S. pasture of J. O. Gilliam, 12 ft. E. of gate, in E.-W. fence line, in sandstone boulder projecting 5 in. above ground; standard tablet stamped "Prim Trav Sta No 73 K 1925".....	1, 411. 393
Forestburg School, 6.0 mi. SW. of, on S. point of ridge where abandoned rd. descends into valley of Pease River, marked by cairn; top of rock outcrop.....	1, 707. 23
Forestburg School, 5.2 mi. SW. of, 180 ft. E. of SE. corner of corral of J. O. Gilliam, on W. edge of cultivated field, at T-fence W., 3 ft. SW. of large square corner fence post, in concrete post; standard tablet stamped "Prim Trav Sta No 74 K 1925".....	1, 691. 515
Reference mark, 4 ft. N. of tablet; top of iron bar.....	1, 690. 92
Forestburg School, 4.5 mi. S. of, at wire gate in E.-W. fence line, at base of E. gatepost, on rock projecting 4 in. above ground; top of rock.....	1, 680. 02
Forestburg School, 3.0 mi. S. of, in SE. angle of turn from E. to N. in rd. at junction of ranch rd. S. through gate, 20 ft. E. of gate, 2 ft. S. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 75 K 1925".....	1, 604. 713
Reference mark, 8.5 ft. W. of tablet, beside E. gatepost; top of buried rock.....	1, 603. 85
Forestburg School, opposite T-rd. E., at T-fence W., at base of corner post, on rock projecting 2 in. above ground; top of rock.....	1, 629. 54
<small>From same quadrangle near Cottle-Hardeman county line generally south and southwest along roads to point about 1.5 miles northeast of Y-L ranch, thence southeast and northeast by way of 7-L ranch to road junction 0.2 mile southeast of Moore ranch house (by R. W. Burchard in 1925)</small>	
Lazare, 2.3 mi. S. of, 300 ft. N. of junction of dim rd. W. to field, 5 ft. W. of rd., on top of exposed rock ledge; chiseled square.....	1, 617. 94
Lazare, 3.1 mi. S. of, 75 ft. SW. of SW. corner of small farmhouse, in corner of field fence, in concrete post; standard tablet stamped "Prim Trav Sta No 22 Y 1925".....	1, 528. 700
Lazare, about 4.2 mi. S. of, 200 ft. N. of N. bank of Pease River, 20 ft. W. of S. end of rd., in S. edge of field, in base of lone hackberry tree; copper nail and washer.....	1, 474. 70
Pease River, at point 4.3 mi. S. of Lazare; surface of water at normal flow Sept. 30, 1925.....	1, 464. 4

Lazare, 5.2 mi. S. of, 5.3 mi. NE. of Y-L ranch house, 20 ft. E. of dim rd. to ranch, on top of rocky ridge, marked by small cairn; top of rock outcrop----- *Feet*
1, 617. 50

[Line jogs into Childress No. 4 quadrangle]

Y-L ranch house, 2.0 mi. SE. of, 100 ft. N. of rd., 200 ft. NW. of clearing used as bedding grounds, in base of lone 10-in. hackberry tree; spike----- 1, 698. 88

Y-L ranch house, 3.0 mi. SE. of, on W. side of Talking John Creek, on bluff, 100 ft. NE. of rd. at point where rd. begins descent into valley, on flat rock outcrop; chiseled square----- 1, 652. 86

Y-L ranch house, 4.0 mi. SE. of, 2.5 mi. NW. of 7-L ranch house, 10 ft. N. of gate in division fence between Y-L and 7-L ranches, in concrete post; standard tablet stamped "Prim Trav Sta No 66 K 1925"----- 1, 696. 151

Reference mark, 12 ft. S. of S. gatepost, in center of pile of rocks; top of buried rock----- 1, 696. 14

7-L ranch, at SE. corner of rock house, in S. wall, 25 ft. above ground; standard tablet stamped "Prim Trav Sta No 67 K 1925"----- 1, 666. 881

Reference mark, at SW. corner of house, on top of concrete filter; chiseled square----- 1, 667. 39

7-L ranch house, 1.5 mi. SE. of, 20 ft. S. of rd., on summit of flat rocky ridge; top of rock outcrop----- 1, 693. 24

7-L ranch house, 2.5 mi. SE. of, 100 ft. E. of small creek crossing, 75 ft. E. of dim rd. fork, on summit of low ridge, 5 ft. S. of rd., projecting 2 in. above ground; top of iron stake----- 1, 678. 13

7-L ranch house, 3.0 mi. E. of, 70 ft. S. and 280 ft. E. of junction of rds. to 7-L Crossing of Pease River and to Moore ranch, on summit of small rocky knoll, in concrete post; standard tablet stamped "Prim Trav Sta No 68 K 1925"----- 1, 680. 310

Reference mark, 13 ft. N. of tablet, on flat rock; chiseled square----- 1, 679. 97

7-L ranch house, 4.5 mi. NE. of, 200 ft. S. of three-way fence corner, 10 ft. N. of wire gate in N.-S. fence line, on rock projecting 6 in. above ground; chiseled square----- 1, 687. 22

7-L ranch house, 6.5 mi. NE. of, 0.2 mi. SE., thence 2.2 mi. SW. from Moore ranch house, 100 ft. E. and 30 ft. below primary traverse point described as "small rock cairn on point of ridge, 100 ft. S. of rd.," on rock outcrop projecting 10 in. above ground; top of outcrop----- 1, 647. 02

Moore ranch house, 0.2 mi. SE., thence 1.2 mi. SW. from, 200 ft. N. of rd., 18 ft. W. of wire gate in NE.-SW. fence line, in sandstone boulder set in place; standard tablet stamped "Prim Trav Sta No 71 K 1925"----- 1, 572. 180

Reference mark, 15 ft. E. of tablet, at W. gatepost, on flat rock; chiseled cross----- 1, 572. 61

Moore ranch house, 0.2 mi. SE., thence 0.6 mi. SW. from, on high point of flat ridge, 75 ft. S. of rd.; on stone projecting 8 in. above ground; chiseled "U S G S"----- 1, 570. 26

VOSS QUADRANGLE

[Latitude 31°30'-31°45'; longitude 99°30'-99°45']

COLEMAN, CONCHO, AND RUNNELS COUNTIES

From Ballinger No. 1 quadrangle at point just south of Valera along roads south and southwest by way of Voss to Leaday (by A. P. Meade in 1923)

Valera, 1.1 mi. S. of, 0.2 mi. N. of farmhouse, on N. end of W. abutment of concrete culvert; chiseled square----- 1, 835. 54

524 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Valera, 1.6 mi. S. of, about 500 ft. N. of house, 50 ft. S. of junction of T-rd. W., on N. end of W. wall of concrete culvert; chiseled square...	1, 862. 52
Valera, 2.7 mi. S. of, 7.5 mi. NE. of Voss, 0.2 mi. N. of junction of rd. W., 0.2 mi. N. of farmhouse and sheds, in center of W. wall of culvert; standard tablet stamped "M 120 1923".....	1, 818. 694
Voss, 6.9 mi. NE. of, about 500 ft. N. of old schoolhouse, about 500 ft. S. of T-shaped house, on N. end of W. wall of concrete culvert; chiseled square.....	1, 805. 85
Voss, 5.6 mi. NE. of, 0.2 mi. S. of farmhouse and windmill, opposite big draw E., in center of W. wall of concrete culvert; round hole.....	1, 801. 29
Voss, 5.1 mi. NE. of, 100 ft. E. of sink hole, W. of big draw to valley SE., opposite two telegraph poles close together, in center of W. wall of concrete culvert; round hole.....	1, 793. 97
Voss, 4.6 mi. NE. of, 0.3 mi. W. of windmill, in bottom, at foot of grade, in center of W. wall of concrete culvert; round hole.....	1, 796. 38
Voss, 3.9 mi. NE. of, at S. end of big dip in rd., big hill to S., in center of W. wall of culvert; standard tablet stamped "M 21 1923".....	1, 781. 585
Voss, 3.6 mi. NE. of, at N. end of steep grade and turn SE. in rd., in center of W. wall of concrete culvert; chiseled square.....	1, 780. 01
Voss, 3.1 mi. NE. of, at crossroads, 400 ft. NW. of T-shaped house, in center of W. wall of concrete culvert; chiseled square.....	1, 720. 56
Voss; 2.5 mi. NE. of, at S. end of turn in rd., at foot of grade S., at concrete culvert over creek, in center of W. wall; chiseled square...	1, 703. 69
Voss, 1.3 mi. NE. of, 0.2 mi. N. of rd. junction and turn in main rd. to W., about 0.2 mi. N. of house, in center of W. wall of culvert; standard tablet stamped "M 122 1923".....	1, 688. 059
Voss, 0.7 mi. E. of, W. of turn in rd., in center of N. wall of concrete culvert; chiseled square.....	1, 674. 98
Voss; 0.1 mi. E. of, at concrete bridge over Panther Creek, on N. wall, 5 ft. from E. end; chiseled square.....	1, 623. 37
Voss, 0.3 mi. W. of, about 500 ft. N. of stone schoolhouse E. of rd. junction, in center of N. wall of concrete culvert; chiseled square.....	1, 653. 95
Voss, 0.7 mi. SW. of, 0.3 mi. SW. of schoolhouse, about 500 ft. S. of rd. junction, in center of W. wall of concrete culvert; chiseled square.....	1, 655. 02
Voss, 0.9 mi. SW. of, 0.3 mi. S. of rd. junction, at concrete bridge over big drain, on W. wall, 2 ft. from N. end; chiseled square.....	1, 643. 24
Voss, 1.1 mi. SW. of, at junction of farm rd. E., 0.2 mi. W. of concrete silo, in center of wall of concrete culvert; chiseled square.....	1, 661. 34
Voss, 1.6 mi. SW. of, 100 ft. N. of junction of rds. SW. to Leaday and S. to Stacy, 10 ft. W. of rd., on 5- by 3-in. flat rock; chiseled mark...	1, 684. 32
Voss, 2.1 mi. SW. of, 0.5 mi. W. of rd. junction, in center of N. wall of concrete culvert; chiseled square.....	1, 724. 21
Voss, 2.7 mi. SW. of, 6.2 mi. NE. of Leaday, 1.2 mi. E. of big valley and Elm Creek, 0.2 mi. W. of house, 300 ft. E. of summit of grade, in center of N. wall of culvert; standard tablet stamped "M 123 1923".....	1, 714. 888
Leaday, 5.2 mi. NE. of, 0.3 mi. E. of Elm Creek bridge, at turn in rd., in center of N. wall of concrete bridge; chiseled square.....	1, 635. 69
Leaday, 4.9 mi. NE. of, at steel bridge over Elm Creek, 2 ft. N. of rd., on N. side of E. concrete abutment, 1 ft. from decline; chiseled square.....	1, 624. 25
Leaday, 3.3 mi. NE. of, 1.6 mi. W. of Elm Creek, 300 ft. NW. of farmhouse, 100 ft. NW. of stone silo, in center of N. wall of concrete culvert; chiseled square.....	1, 666. 40

Leaday, 2.1 mi. NE. of, at concrete bridge over drain in big draw, in center of N. wall; standard tablet stamped "M 124 1923"-----	<i>Feet</i> 1, 589. 081
Leaday, 1.8 mi. NE. of, about 500 ft. E. of junction of farm rd. N., in center of N. wall of concrete culvert; chiseled square-----	1, 626. 57
Leaday, 1.3 mi. NE. of, 0.2 mi. S. of farmhouse and stone silo, in center of N. wall of concrete bridge; chiseled square-----	1, 577. 76
Leaday, about 350 ft. E. of post office and junction of rd. S., 100 ft. N. of house, in center of N. wall of concrete culvert; chiseled square----	1, 523. 20

From point 1.6 miles southwest of Voss along roads south into Stacy quadrangle
at point 1.4 miles north and 1.4 miles east from Stacy (by A. P. Meade in
1923)

Voss, 1.6 mi. SW., thence 0.1 mi. S. from, about 525 ft. S. of junction of rd. SW. to Leaday, at junction of T-rd. E., in center of W. wall of concrete culvert; chiseled square-----	1, 686. 59
Voss, 1.6 mi. SW., thence 0.3 mi. S. from, at N. end of upgrade to S., in center of W. wall of concrete culvert; chiseled square-----	1, 691. 96
Voss, 1.6 mi. SW., thence 0.7 mi. S. from, in center of W. wall of concrete culvert; chiseled square-----	1, 695. 19
Voss, 1.6 mi. SW., thence 1.2 mi. S. from, 400 ft. S. of farmhouse, in center of W. wall of concrete culvert; chiseled square-----	1, 690. 66
Voss, 1.6 mi. SW., thence 1.4 mi. S. from, 0.3 mi. S. of farmhouse, about 750 ft. S. of crossroads, in center of W. wall of concrete culvert; chiseled square-----	1, 691. 98
Voss, 1.6 mi. SW., thence 1.8 mi. S. from, 50 ft. N. of crossroads, in center of W. wall of concrete culvert; chiseled square-----	1, 662. 64
Voss, 1.6 mi. SW., thence 2.0 mi. S. from, 0.2 mi. S. of crossroads, in center of W. wall of concrete culvert; chiseled square-----	1, 657. 07
Voss, 1.6 mi. SW., thence 2.2 mi. S. from, at foot of grade, in center of W. wall of concrete culvert; chiseled square-----	1, 648. 45
Voss, 1.6 mi. SW., thence 2.6 mi. S. from, opposite concrete silo, in center of W. wall of concrete culvert; chiseled square-----	1, 640. 38
Voss, 1.6 mi. SW., thence 3.7 mi. S. from, 0.3 mi. S. of crossroads, about 500 ft. N. of turn and upgrade in rd., 0.3 mi. W. of farmhouse, in center of W. wall of concrete culvert; standard tablet stamped "M 125 1923"-----	1, 610. 278
Voss, 1.6 mi. SW., thence 4.4 mi. S. from, at NE. corner of crossroads, under wire fence, N. of corner post, on sloping rock; highest point--	1, 613. 06
Voss, 1.6 mi. SW., thence 4.8 mi. S. from, 1.4 mi. E., thence 4.0 mi. N. from Stacy, 0.4 mi. SE. of farmhouse, opposite concrete silo on top of mesa to W., in center of W. wall of concrete culvert; chiseled square-----	1, 600. 26

From Paint Rock quadrangle along roads east and southeast to Leaday (by
C. E. Reick in 1923)

Russel oil wells, 300 ft. W. of well No. 2, 600 ft. N. of gate, 15 ft. SE. of crossroads, in concrete post; standard tablet stamped "R 32 Texas 1923" and "Prim Trav Sta No 3 K 1924"-----	1, 663. 362
Reference mark, 500 ft. N. of well No. 1, at rear of tool house, in root of 8-in. mesquite tree; copper nail-----	1, 665. 62
Russel oil wells, 1.0 mi. E. of, 1.0 mi. W., thence 4.0 mi. NW. from Leaday, on N. side of rd., on boulder; chiseled square-----	1, 654. 70
Leaday, 1.0 mi. W., thence 3.2 mi. NW. from, on SW. side of rd. to Russel oil wells, in concrete post; standard tablet stamped "R 33 Texas 1923"-----	1, 628. 635
Reference mark, on N. side of rd., on boulder; chiseled square-----	1, 628. 37

526 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Leaday, 1.0 mi. W., thence 2.8 mi. NW. from, 200 ft. N. of stream crossing, on S. side of rd., at sharp turn, on boulder; chiseled square.....	Feet 1, 579. 99
Leaday, 1.0 mi. W., thence 2.2 mi. NW. from, in NE. angle of junction of rd. E., 200 ft. E. of lone house, in base of twin mesquite tree; copper nail.....	1, 576. 82
Leaday, 1.0 mi. W., thence 1.1 mi. NW. from, 30 ft. W. of rd. junction, in concrete post; standard tablet stamped "R 34 Texas 1923".....	1, 572. 813
Reference mark, on W. side of rd., in root of 8-in. mesquite tree; copper nail.....	1, 572. 09
Leaday, 1.0 mi. W. of, 40 ft. S. of rd. junction, 10 ft. W. of fence corner; top of iron pipe.....	1, 526. 90
From Paint Rock quadrangle at point 0.4 mile west of Winkler Ford across Concho River along roads southeast 1.1 miles, thence east and northeast to Leaday (by H. P. Jones in 1923-24; leveled twice)	
Concho, 4.3 mi. SE. of, 1,200 ft. W. of Winkler Ford across Concho River, on N. side of rd., in root on S. side of 5-in. mesquite tree; copper nail and washer.....	1, 538. 73
Winkler Ford, on W. side of Concho River, in root on E. side of 12-in. elm tree; copper nail and washer.....	1, 506. 08
Concho River, at Winkler Ford; surface of water Dec. 24, 1923.....	1, 500. 2
Winkler Ford, 0.8 mi. SE. of, 48 ft. N. and 60 ft. E. from wooden gate, in root on W. side of 8-in. mesquite tree; copper nail and washer.....	1, 555. 98
Winkler Ford, 1.9 mi. SE. of, 5.7 mi. SW. of Leaday, 250 ft. E. of pasture gate and cattle guard, in root on W. side of 9-in. mesquite tree; copper nail and washer.....	1, 623. 53
Leaday, 4.8 mi. SW. of, on E. side of rd., 115 ft. NE. of wire pasture gate, in root on N. side of 5-in. mesquite tree; copper nail and washer.....	1, 648. 95
Leaday, 4.2 mi. SW. of, in SE. corner of yard of Liberty School No. 10, in concrete post; standard tablet stamped "HPJ 6 1923".....	1, 610. 950
Reference mark, 95 ft. SW. of SW. corner of schoolhouse, in root on N. side of 6-in. mesquite tree; copper nail and washer.....	1, 619. 35
Leaday, 3.1 mi. SW. of, 90 ft. NE. of rd. junction, in root on W. side of 8-in. mesquite tree; copper nail and washer.....	1, 565. 82
Leaday, 2.0 mi. SW. of, 110 ft. S. of rd. junction, in root between twin mesquite trees; copper nail and washer.....	1, 531. 37
Colorado River, at Gin Ford; surface of water Dec. 18, 1923.....	1, 466. 2
Leaday, about 500 ft. N. of Colorado River, on E. side of rd., on limestone ledge; chiseled square.....	1, 503. 36
Leaday, in NE. corner of schoolyard, in concrete post; standard tablet stamped "HPJ 7 1923".....	1, 537. 140
From point 3.2 miles northwest of Leaday along roads generally east and south to point 2.1 miles northeast of Leaday (by C. E. Reick in 1924)	
Leaday, 2.1 mi. N. and 1.5 mi. W. from, 100 ft. E. of residence of W. M. Moore, at fence corner; top of iron pipe.....	1, 568. 59
Leaday, 2.1 mi. N. and 0.8 mi. W. from, along fence E. from stone house, on large boulder; chiseled square.....	1, 563. 84
Leaday, 2.2 mi. N. and 0.5 mi. E. from, on Day ranch, 120 ft. S. of ranch house of R. H. McCutchen, in rock ledge; standard tablet stamped "R 35 Texas 1924".....	1, 672. 409
Reference mark, 500 ft. E. of ranch house, on boulder; chiseled square.....	1, 681. 86
Leaday, 2.1 mi. NE., thence 1.2 mi. NW. from, on Day ranch, 800 ft. E. of gate in pasture fence, on boulder; chiseled square.....	1, 609. 63

From Stacy quadrangle at point near Redwire School along roads generally north and northwest to Leaday (by A. P. Meade in 1924)

Redwire School, 2.4 mi. NW. of Brady Bend Crossing of Colorado River, 10 in. from wall of building, in concrete porch, 6 in. from N. end; standard tablet stamped "M 133 1924"-----	Feet 1, 554. 922
Reference mark, 5 ft. W. of tablet, on concrete porch, 2 in. from N. and W. sides; chiseled square-----	1, 554. 71
Redwire School, 0.4 mi. N. of, at NW. corner of rd. junction, 2 ft. NE. of N. gatepost of rd. W., on rock; highest point-----	1, 571. 37
Redwire School, 2.5 mi. N. of, S. of turn in rd., 40 ft. SE. of water in drain, on W. side of rd., level with rd.; top of round rock-----	1, 524. 94
Redwire School, 3.2 mi. N. of, on N. side of rd., on E. bank of Elm Creek, 6 ft. E. of water, on large rock; chiseled circle-----	1, 473. 69
Elm Creek; surface of water Jan. 11, 1924-----	1, 472. 3
Redwire School, 3.5 mi. NW. of, 3.5 mi. SE. of Leaday, 300 ft. W. of house, at turn in rd., on slope of ridge, 20 ft. N. and 6 ft. above rd., 12 ft. S. of fence line, in flat rock; standard tablet stamped "M 134 1924"-----	1, 492. 470
Leaday, 2.6 mi. SE. of, at NW. corner of junction of rd. SW., at foot of grade, on large triangular rock; highest point-----	1, 488. 34
Leaday, 2.1 mi. SE. of, 100 ft. S. of house, opposite rd. N., 6 in. E. of E. gatepost of rd. S., on rock; highest point-----	1, 530. 12

WALDRIP QUADRANGLE

[Latitude 31°15'-31°30'; longitude 99°15'-99°30']

COLEMAN AND McCULLOCH COUNTIES

From Stacy quadrangle at point 0.3 mile north and 0.6 mile east from Hardin School along roads generally east to road junction 2.8 miles southwest of Rockwood, thence south to crossroads 3.1 miles south and 0.3 mile east from Waldrip, thence alternately west and north and back into Stacy quadrangle (by W. R. Broadus in 1924)

Hardin School, 0.3 mi. N., thence 1.0 mi. E. from, 120 ft. S. and 15 ft. E. from junction of N.-S. rd., in fence line, on stone outcrop; chiseled square-----	1, 579. 52
Hardin School, 0.3 mi. N., thence 2.1 mi. E. from, 35 ft. N. of E.-W. lane crossing rd. along W. side of Woodward ranch, on W. side of rd., 2.5 ft. E. of fence, in stone outcrop; standard tablet stamped "B 1 1924"-----	1, 504. 494
Reference mark, 4 ft. E. of tablet, on stone ledge; chiseled square-----	1, 504. 52
Hardin School, 0.3 mi. N., thence 3.0 mi. E. from, 650 ft. NE. of house, on N. side of small drain, in root on SW. side of 20-in. lone twin live-oak tree; copper nail and washer-----	1, 442. 21
Hardin School, 0.3 mi. N., thence 4.0 mi. E. from, 2.8 mi. SW., thence 2.7 mi. NW. from Rockwood, in Bull Creek Valley, 200 ft. W. of point where dim rd. crosses creek, 700 ft. N. of junction of small drain W., in root on NE. side of 36-in. live-oak tree; copper nail and washer-----	1, 412. 17
Rockwood, 2.8 mi. SW., thence 1.3 mi. W. from, on point of hill, 0.9 mi. NW. of residence of Paul Riddle, 170 ft. S. of gate on dim rd., 1 ft. from fence post, on rock outcrop; chiseled square-----	1, 403. 33
Rockwood, 2.8 mi. SW. of, 30 ft. S. of rd. junction, in line with Waldrip-Gouldbusk rd., in stone post; standard tablet stamped "B 2 1924"-----	1, 388. 827
Reference mark, 200 ft. N. and 30 ft. E. from rd. junction, in crotch of mesquite tree; copper nail and washer-----	1, 390. 39

	<i>Feet</i>
Colorado River, under bridge; surface of water Dec. 4, 1924.....	1, 345. 1
Rockwood, 4.2 mi. SW. of, 1.4 mi. N. and 0.4 mi. E. from post office at Waldrip, at steel bridge over Colorado River, in SE. corner of S. abutment; standard tablet stamped "Prim Trav Sta No 11 J 1924 Texas B 3".....	1, 397. 264
Reference mark, 800 ft. SW. of tablet, 100 ft. S. and 140 ft. W. from bend in rd., in E.-W. fence line, in root on NE. side of 16-in. live-oak tree; copper nail and washer.....	1, 394. 19
Waldrip, 1.0 mi. N. and 0.3 mi. E. from, in SE. angle of junction of T-rd. E., on top of E. head wall of concrete culvert; chiseled square.....	1, 408. 99
Waldrip, 0.5 mi. N. of, in SE. angle of junction of T-rd. S., 20 ft. E. of fence corner, in bench on N. side of 8-in. mesquite tree; copper nail and washer.....	1, 436. 62
Waldrip, 130 ft. S. of post office, on W. side of rd., in root on E. side of 36-in. live-oak tree; copper nail and washer.....	1, 455. 73
Waldrip, 0.8 mi. S. and 0.3 mi. E. from, at summit of hill, in center of Brady-Santa Anna rd., in root on SW. side of 24-in. live-oak tree; copper nail and washer.....	1, 462. 29
Waldrip, 1.6 mi. S. and 0.3 mi. E. from, on Brady-Santa Anna rd., 20 ft. S. and 30 ft. E. from crossroads, 5 ft. SE. of fence corner, in stone post; standard tablet stamped "B 4 1924".....	1, 457. 209
Reference mark, 30 ft. N. of tablet, 10 ft. E. of corner fence post, in NE. angle of crossroads, in S. side of 6-in. mesquite tree; copper nail and washer.....	1, 457. 48
Waldrip, 3.1 mi. S. and 0.3 mi. E. from, 2.5 mi. NW. of Fife, 30 ft. S. and 30 ft. W. from crossroads, 5 ft. SW. of corner fence post, in NE. side of 6-in. mesquite tree; copper nail and washer.....	1, 498. 77
Fife, 3.5 mi. NW. of, 1.0 mi. E. of Marion School, 25 ft. SW. of rd. junction, in root on NE. side of 14-in. mesquite tree; copper nail and washer.....	1, 499. 29
Fife, 4.5 mi. W. of, opposite Marion School, 60 ft. SE. of center line of T-rd. E. at junction of N.-S. rd., in sandstone post; standard tablet stamped "Prim Trav Sta No 1 J 1924 Texas B 5".....	1, 480. 111
Reference mark, 170 ft. NW. of tablet, 30 ft. N. and 60 ft. W. from fence corner, in root on E. side of large mesquite tree; copper nail and washer.....	1, 476. 92
Marion School, 1.0 mi. N. of, 25 ft. SE. of rd. junction, 6 in. S. of corner fence post, on rock; chiseled square.....	1, 458. 88
Marion School, 1.0 mi. N., thence 1.0 mi. W. from, on top of SE. end of NE. wall of concrete dip on rd. crossing Saddle Creek; chiseled square.....	1, 373. 52
Marion School, 1.0 mi. N., thence 2.3 mi. W. from, 1.5 mi. W. of Saddle Creek ford, 3 ft. N. of gate on E.-W. rd., in root on E. side of small mesquite tree; copper nail and washer.....	1, 409. 70
<p>From road junction 2.8 miles southwest of Rockwood along roads generally east to Whon, thence southwest to road junction 2.6 miles east of Fife, thence alternately west and northwest to crossroads 3.1 miles south and 0.3 mile east from Waldrip (by W. R. Broadus in 1924)</p>	
Rockwood, 1.7 mi. along Brady-Santa Anna rd. SW. of, at concrete highway bridge over small drain, on top of S. wing wall of W. abutment; chiseled square.....	1, 408. 06
Rockwood, 0.9 mi. SW. of, 660 ft. NE. of junction of rd. S., on top of N. head wall of concrete culvert; chiseled square.....	1, 416. 34

Rockwood, 240 ft. S. of junction of Coleman-Santa Anna-Brady rd., in SW. corner of churchyard, in sandstone post; standard tablet stamped "Prim Trav Sta No 12 J 1924 B 6"-----	Feet 1,487.632
Reference mark, 90 ft. NE. of tablet, in front of church, on top of S. end of first concrete step; chiseled square-----	1,488.90
[Line jogs into Coleman No. 3 quadrangle]	
Rockwood, 1.8 mi. in air line SE. of, 2.4 mi. along Rockwood-Whon rd. W. of Whon, 650 ft. N. of junction of T-rd. W., 50 ft. N. and 20 ft. E. from junction of T-rd. E., in root on E. side of large forked live-oak tree; copper nail and washer-----	1,458.91
Whon, 1.4 mi. W. of, 750 ft. NW. of residence of J. A. Robertson, 235 ft. N. and 27 ft. E. from junction of T-rd. E., 7 ft. E. of fence line, in limestone outcrop; standard tablet stamped "B 7 1924"-----	1,421.734
Reference mark, 176 ft. N.30°W. of tablet, in root on E. side of large live-oak tree; copper nail and washer-----	1,418.86
Whon, 550 ft. S. of post office, 90 ft. E. of bridge over Camp Creek, on Brady rd., in root on W. side of 12-in. elm tree; copper nail and washer-----	1,390.31
Whon, 1.0 mi. along Brady rd. SW. of, 0.5 mi. S. of school, 300 ft. N. of bend in rd., 150 ft. W. of rd., on hillside, 6 ft. E. of fence line along W. side of rd. S. from bend, in rock outcrop; standard tablet stamped "Prim Trav Sta No 39 J 1924 Texas B 8"-----	1,454.368
Reference mark, 100 ft. E. of tablet, on W. side of rd., in fence line, in NE. side of 14-in. mesquite tree; copper nail and washer-----	1,436.36
Whon, 2.5 mi. SW. of, about 0.3 mi. NE. of point where rd. turns away from foot of hill, 280 ft. SW. of bend in rd., 120 ft. NW. of field gate, on hillside, on rock; chiseled square-----	1,408.21
Whon, 3.4 mi. SW. of, 300 ft. SW. of house, on E. side of rd., 60 ft. E. of fence corner, in fork of small mesquite tree; copper nail and washer-----	1,427.45
Whon, 4.3 mi. SW. of, on S. side of bend in Brady rd., near residence of O. J. Cheek, in root on NE. side of 18-in. live-oak tree; copper nail and washer-----	1,415.36
Whon, 5.6 mi. SW. of, 1,400 ft. N. of Whon-Brady rd. crossing of Colorado River, 10 ft. E. of rd., in rock outcrop; standard tablet stamped "Prim Trav Sta No 40 J 1924 Texas B 9"-----	1,381.369
Reference mark, 45 ft. S. of tablet, in root on SW. side of 14-in. live-oak tree; copper nail and washer-----	1,376.67
Colorado River, at Whon-Brady rd. crossing; surface of water Dec. 16, 1924-----	1,319.1
Whon, 5.9 mi. SW. of, 2.6 mi. E., thence 2.1 mi. NE. from, 300 ft. S. of S. bank of Colorado River at Brady rd. crossing, 40 ft. N. of rd., in root on E. side of 30-in. live-oak tree; copper nail and washer-----	1,351.38
Fife, 2.6 mi. E., thence 1.0 mi. N. from, 110 ft. S. and 20 ft. W. from turn from W. to S. in rd., in fork of small mesquite tree; copper nail and washer-----	1,400.87
Fife, 2.6 mi. E. of, 40 ft. SW. of junction of T-rd. W., in sandstone post; standard tablet stamped "Prim Trav Sta No 4 J 1924 Texas B 10"-----	1,418.709
Reference mark, 80 ft. NW. of post, 3 ft. N. and 20 ft. W. from fence corner, in side of 3-in. mesquite tree; copper nail and washer-----	1,418.30
Fife, 1.6 mi. E. of, 40 ft. S. and 100 ft. E. from junction of private lane N., in NW. side of 18-in. mesquite tree; copper nail and washer-----	1,393.68

530 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Fife, 0.6 mi. E. of, 30 ft. N. and 330 ft. E. from crossroads, in root on S. side of mesquite tree; copper nail and washer.....	Feet 1, 412. 37
Fife, 0.5 mi. W. of, 35 ft. SW. of crossroads, in sandstone post; standard tablet stamped "Prim Trav Sta No 3 J 1924 Texas B 11".....	1, 455. 691
Reference mark, 85 ft. NW. of tablet, on N. side of rd., in mesquite tree; copper nail and washer.....	1, 456. 60
Fife, 1.6 mi. NW. of, 45 ft. S. of turn in rd. from NW. to W., 2 ft. W. of fence, in small mesquite tree; copper nail and washer.....	1, 490. 44

From Whon along roads generally east about 3.6 miles into Mercury quadrangle (by W. R. Broaddus in 1924)

Whon, 1.4 mi. E. of, 50 ft. S. and 240 ft. W. from junction of rd. N. to Trickham, in fork of mesquite tree; copper nail and washer.....	1, 399. 23
Whon, 2.2 mi. SE. of, about 0.5 mi. S. of Gill ranch house, 250 ft. SE. of tenant house, 7 ft. N. of gate on Winchell rd., in root on E. side of 12-in. mesquite tree; copper nail and washer.....	1, 396. 85
Whon, 3.4 mi. E. of, 30 ft. N. of gate on Winchell rd., about 0.3 mi. W. of Davis dwelling, in root on N. side of mesquite tree; copper nail and washer.....	1, 465. 22

From Mercury quadrangle at point about 7 miles northwest of Placid generally west along roads to road junction 2.6 miles east of Fife (by W. R. Broaddus in 1925)

Placid, 7.4 mi. NW. of, 4.3 mi. NE. of White ranch house, on Placid-Fife rd., 163 ft. E. of rd. junction, at lower end of Ward water hole, on Cedar Creek, 10 ft. S. of rd., in limestone outcrop; standard tablet stamped "B 21 1925".....	1, 460. 220
Reference mark, 206 ft. S.15°W. of tablet, 220 ft. SE. of rd. junction, on NE. bank of Ward water hole, in root on E. side of 36-in. live-oak tree; copper nail and washer.....	1, 456. 95
White ranch house, 3.2 mi. NE. of, on divide between Cedar and Bluff creeks, 1.1 mi. W. of Ward water hole, 170 ft. E. of gate across Placid-Fife rd., in bench on W. side of 15-in. live-oak tree; copper nail and washer.....	1, 517. 94
White ranch house, 1.9 mi. NE. of, on Placid-Fife rd., about 1.6 mi. E. of Bluff Creek crossing, 120 ft. N. and 70 ft. E. from gate across rd., 20 ft. W. of rd., on limestone rock; chiseled square.....	1, 507. 89
White ranch house, 0.9 mi. NE. of, 0.6 mi. E. of Bluff Creek crossing, 240 ft. N. of bend in rd. at summit of ridge, 30 ft. W. of rd., in root on E. side of 24-in. live-oak tree; copper nail and washer.....	1, 472. 04
White ranch house, 0.3 mi. N. of, 2.3 mi. E. of Cow Creek Tabernacle, 167 ft. E. of Bluff Creek crossing, 85 ft. E. of rd. junction, on E. bank of creek, in limestone outcrop; standard tablet stamped "B 22 1925".....	1, 432. 654
Reference mark, 15 ft. N. of tablet, on limestone outcrop; chiseled square.....	1, 432. 64
Cow Creek Tabernacle, 50 ft. NW. of NW. corner of, 2.6 mi. E., thence 1.0 mi. S. from Fife, 220 ft. N. and 95 ft. E. from rd. junction, in root on S. side of 42-in. live-oak tree; copper nail and washer.....	1, 406. 60

WAURIKA QUADRANGLE

[Latitude 34°00'–34°15'; longitude 98°00'–98°15']

CLAY COUNTY

From Henrietta No. 2 quadrangle northeast along Wichita Valley Railway to Petrolia, thence southeast along roads into Henrietta No. 1 quadrangle (by Roscoe Reeves in 1914)

Petrolia, on W. side of sta., 2 ft. W. of center of building; iron post stamped "993" (recovered in 1928)-----	<i>Feet</i> 993. 339
Petrolia, 2.8 mi. SE. of, in NW. angle of junction of T-rd. N., 15 ft. N. of corner fence post, in fence line; iron post stamped "986"-----	985. 938
Petrolia, 4.9 mi. SE. of, 150 ft. E. of small wooden bridge, on N. side of rd., in fence line, on sandstone ledge; chiseled cross-----	905. 17
Petrolia, 5.7 mi. SE. of, 800 ft. NE. of dwelling of J. A. Burrus, 100 ft. E. of corner of right-angle turn in rd., on N. side of rd., in fence line; iron post stamped "909"-----	908. 628

From Henrietta No. 2 quadrangle northeast along Wichita Valley Railway to Byers (by J. B. Leachman in 1928; single spur line)

Petrolia, 1.2 mi. SW. of, at crossing of Wichita Falls-Petrolia highway, 100 ft. NW. of track, on NW. side of highway culvert; chiseled square-----	972. 46
Petrolia, 1.0 mi. NE. of, 75 ft. NW. of track, on concrete culvert; chiseled square-----	975. 48
Petrolia, 1.9 mi. NE. of, 75 ft. W. of track, on concrete culvert; chiseled square-----	985. 84
Petrolia, 2.8 mi. NE. of, 2.2 mi. SW. of Byers, 75 ft. W. of track, on concrete culvert; chiseled square-----	995. 62
Byers, 1.3 mi. SW. of, 75 ft. W. of track, on W. side of concrete culvert; chiseled square-----	1, 008. 29
Byers, 10 ft. S. and 60 ft. W. from sta., at section of rail set vertically and projecting about 2 ft. above ground; top of rail-----	1, 006. 07

WEATHERFORD NO. 4 QUADRANGLE

[Latitude 32°30'–32°45'; longitude 97°30'–97°45']

HOOD, JOHNSON, PARKER, AND TARRANT COUNTIES

From Godley quadrangle at point 3.4 miles southwest of Rocky Point School along roads northeast, east, and southeast to Granbury-Fort Worth road, thence southwest and back into Godley quadrangle (by H. P. Kilby in 1923; leveled twice)

Rocky Point School, 2.8 mi. SW. of, at junction of rd. to Waples, on NE. end of galvanized pipe under rd.; chiseled cross-----	846. 85
Rocky Point School, 700 ft. N. of, 10 ft. W. of rd., in concrete post; standard tablet stamped "Prim Trav Sta No 13 Y 1923 Texas K 3"-----	951. 140
Rocky Point School, 0.9 mi. NE. of, at red barn and windmill, on top of concrete water trough; chiseled square-----	1, 006. 98
Rocky Point School, 1.5 mi. E. of, on summit of hill, at windmill, on top of concrete water trough; chiseled square-----	1, 073. 84
Rocky Point School, 2.6 mi. SE. of, 10.3 mi. NE. of Hood County courthouse at Granbury, in SW. angle of intersection of old Granbury-Fort Worth rd., at ranch house, on rock; chiseled square-----	982. 84

WEST QUADRANGLE

[Latitude 31°45'-32°00'; longitude 97°00'-97°15']

HILL AND McLENNAN COUNTIES

From Cleburne No. 4 quadrangle at point about 3 miles southwest of Hillsboro southwest along Hillsboro-Whitney road into Whitney quadrangle (by E. E. Harris in 1923)

Hillsboro, 3.7 mi. SW. of, 2.3 mi. NE. of Peoria, 500 ft. W. of creek crossing, on S. side of rd., 10 ft. E. of lane through gate to dwelling on hill, 2 ft. S. of fence line, in concrete post; standard tablet stamped "H 37 1923"-----	Feet 601. 057
Peoria, 1.7 mi. NE. of, on N. side of rd., on top of parapet of concrete culvert; chiseled square-----	633. 33
Peoria, 1.2 mi. NE. of, on N. side of rd., on top of parapet of concrete culvert; chiseled square-----	632. 98
Peoria, in NE. corner of crossroads, 150 ft. W. of church, in concrete post; standard tablet stamped "H 38 1923"-----	656. 693
Reference mark, 172.9 ft. E. of tablet, in root on S. side of 10-in. mesquite tree; copper nail and washer-----	659. 60
Peoria, 0.9 mi. SW. of, on N. side of rd., 800 ft. W. of rd. N., on top of parapet of concrete culvert; chiseled square-----	617. 75
Peoria, 1.5 mi. SW. of, on N. side of rd., on top of parapet of concrete culvert; chiseled square-----	557. 15
Peoria, 2.4 mi. SW. of, in NE. corner of right-angle turn in rd., in root on S. side of 18-in. oak tree; copper nail and washer-----	551. 86

WHITNEY QUADRANGLE

[Latitude 31°45'-32°00'; longitude 97°15'-97°30']

BOSQUE, HILL, AND McLENNAN COUNTIES

From West quadrangle at point about 2.5 miles southwest of Peoria along roads southwest and south to Whitney, thence along Missouri-Kansas-Texas Railroad southwest and northwest into Blum quadrangle (by E. E. Harris in 1923)

Peoria, 3.4 mi. SW. of, 3.2 mi. NE. of Whitney, in NW. corner of junction of rd. N., in angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "H 39 1923" (recovered by U. S. C. & G. S. in 1933)-----	594. 576
Reference mark, 196 ft. S.75°W. of tablet, in root on S. side of 20-in. post-oak tree; copper nail and washer-----	593. 52
Whitney, 2.2 mi. E. of, 150 ft. W. of junction of rd. N., at summit of long grade, 50 ft. S. of rd., just E. of dwelling, in root on S. side of 10-in. post-oak tree; copper nail and washer-----	661. 45
Whitney, 0.3 mi. E. of, on S. side of angle in rd., on top of concrete culvert; chiseled square-----	580. 69
Whitney, in front of R. R. sta.; top of rail-----	582. 3
Whitney, in NE. corner of crossing of public rd. to Clifton, 300 ft. W. of sta., 50 ft. N. of track, 75 ft. E. of rd., in concrete post; standard tablet stamped "H 40 1923" (recovered by U. S. C. & G. S. in 1933)-----	582. 866
Reference mark, 203.2 ft. S. of tablet, at city water tank, on NW. corner of NE. concrete base; chiseled square (recovered by U. S. C. & G. S. in 1933)-----	579. 868
Whitney, 1.1 mi. W. of, 300 ft. E. of milepost 35, on N. side of track, at R. R. trestle 34-9, on N. end of E. concrete abutment; chiseled square (recovered by U. S. C. & G. S. in 1933)-----	563. 513

Whitney, 2.1 mi. SW. of, on N. side of track, 350 ft. E. of milepost 36, at R. R. trestle 35-9, on N. end of W. concrete abutment; chiseled square-----	Feet 563. 78
Whitney, 2.6 mi. SW. of, in NE. corner of rd. crossing; in SW. corner of T-angle in fence line, 2 ft. from each fence, in concrete post; standard tablet stamped "H 41 1923" (recovered by U. S. C. & G. S. in 1933)-----	556. 393
Whitney, 4.2 mi. SW. of, 80 ft. S. and 20 ft. E. from rd. crossing, in root on E. side of prominent oak tree; copper nail and washer-----	582. 36
Whitney, 5.3 mi. SW. of, 800 ft. W. of milepost 39, 15 ft. N. of N. right-of-way fence line, on W. side of dim rd. crossing track, in root on S. side of post-oak tree; copper nail and washer-----	532. 36
Whitney, 5.7 mi. W. of, 3.2 mi. NW. of Towash, 0.5 mi. S. of Nela, in NE. corner of rd. crossing, in angle in fence line, 5 ft. from each fence, in concrete post; standard tablet stamped "H 42 1923" (recovered by U. S. C. & G. S. in 1923)-----	504. 937
Brazos River; surface of water Nov. 8, 1923-----	455. 3
Nela, in front of sta. signpost; top of rail-----	502. 4
Nela, 0.6 mi. NW. of, 4.7 mi. SE. of Steiner, 80 ft. N. and 80 ft. W. from rd. crossing, in root on S. side of prominent post-oak tree; copper nail and washer (recovered by U. S. C. & G. S. in 1933)-----	527. 699
Steiner, 4.0 mi. SE. of, 70 ft. W. of track, on S. side of public rd., in root on E. side of water-oak tree; copper nail and washer-----	564. 07
Steiner, 3.2 mi. SE. of, 1,380 ft. NW. of milepost 42, 1 ft. S. of S. right-of-way fence line of R. R., 20 ft. W. of farm rd. crossing, in concrete post; standard tablet stamped "H 43 1923"-----	565. 585
<p>From point on Missouri-Kansas-Texas Railroad 0.5 mile south of Nela along roads southeast to point 1 mile southeast of Towash, thence southwest to point 5.3 miles southwest of Walling Bend School, thence generally north into Blum quadrangle at point 0.5 mile south of Steiner (by E. E. Harris in 1923)</p>	
Nela, 1.3 mi. S. of, 2.3 mi. NW. of Towash, in SE. corner of junction of T-rd. NE., in root on W. side of 20-in. oak tree; copper nail and washer-----	523. 53
Towash, 1.6 mi. NW. of, on W. side of rd., 70 ft. S. of junction of rd. NE., 30 ft. S. of lane W., in root on E. side of 24-in. oak tree; copper nail and washer-----	523. 45
Towash, 0.7 mi. N. of, on S. side of right-angle turn in rd., in root on S. side of leaning oak tree; copper nail and washer-----	524. 78
Towash, in NE. corner of rd. junction, just W. of old stone church, in concrete post; standard tablet stamped "H 46 1923"-----	502. 508
Reference mark, 40 ft. N.50°W. of tablet, in crotch of mesquite tree; copper nail and washer-----	501. 72
Towash, 1.0 mi. SE. of, 0.5 mi. NE. of Walling Bend School, on E. side of rd., 200 ft. N. of junction of T-rd. SW., 300 ft. NE. of Greenwade Bridge over Brazos River, in root on W. side of 15-in. hackberry tree; copper nail and washer-----	492. 78
Brazos River, under Greenwade Bridge; surface of water Nov. 12, 1923-----	440. 3
Walling Bend School, 0.7 mi. SW. of, on N. side of rd., in wash, on rock ledge; chiseled square-----	566. 70
Walling Bend School, 1.3 mi. SW. of, on W. edge of sharp turn in rd. to SW., 50 ft. S. of rd. W. through gate, 2 ft. E. of fence line, in concrete post; standard tablet stamped "H 47 1923"-----	639. 323

Reference mark, 55.1 ft. N.10°E. of tablet, in root on S. side of 18-in. live-oak tree; copper nail and washer.....	Feet 638. 92
Walling Bend School, 2.2 mi. W. of, in SE. corner of junction of rd. S., in corner of fence line, in root on N. side of small cedar tree; copper nail and washer.....	674. 78
Walling Bend School, 3.3 mi. SW. of, on N. side of rd., at summit of grade, 300 ft. W. of cross lane, in root on S. side of 15-in. live-oak tree; copper nail and washer.....	686. 46
Walling Bend School, 4.3 mi. SW. of, on N. side of angle in rd., 400 ft. W. of two water tanks, 10 ft. N. of fence line, in root on S. side of forked live-oak tree; copper nail and washer.....	699. 46
Walling Bend School, 5.3 mi. SW. of, 1.6 mi. SE. of Brown School (White Ranch School), in NE. corner of junction of NW.-SE. rd., 12 ft. N. and 4 ft. E. from angle in fence line, in concrete post; standard tablet stamped "H 48 1923".....	737. 825
Reference mark, 97.2 ft. N.30°W. of tablet, in root on S. side of small oak tree; copper nail and washer.....	740. 72
Brown School, 0.8 mi. SE. of, in SE. corner of right-angle turn in rd., in angle in fence line, 2 ft. from each fence, on boulder, flush with ground; chiseled square.....	803. 16
Brown School, about 500 ft. E. of, on N. side of rd., at junction of NE.-SW. rd., in line with T-rd. SE., 1 ft. N. of fence line, 10 ft. E. of gate, on boulder, flush with ground; chiseled square.....	812. 92
Brown School, 1.2 mi. by rd. N. of, 8.7 mi. S. of Steiner, in SE. corner of junction of NE.-SW. rd., in angle in fence line, 3 ft. from each fence, in concrete post; standard tablet stamped "H 49 1923".....	795. 205
Reference mark, 56.7 ft. S.35°W. of tablet, on boulder; chiseled square.....	796. 09
Steiner, 7.8 mi. S. of, in NW. corner of right-angle turn in rd., in root on S. side of 8-in. live-oak tree; copper nail and washer.....	721. 69
Steiner, 6.8 mi. S. of, 130 ft. N. and 100 ft. W. from crossroads, 200 ft. N. of gate across rd., in root on N. side of 10-in. live-oak tree; copper nail and washer.....	732. 12
Steiner, 5.7 mi. S. of, on E. side of angle in rd., 1 ft. N. of fence line crossing rd. at gate, 3 ft. E. of gatepost, in concrete post; standard tablet stamped "H 50 1923".....	686. 379
Reference mark, 48.9 ft. N. of tablet, in root on S. side of forked oak tree; copper nail and washer.....	685. 38
Steiner, 4.7 mi. S. of, on W. side of rd., in line with rd. E., 100 ft. N. of Kedron Creek, in root on E. side of forked chinaberry tree; copper nail and washer.....	551. 22
Steiner, 3.8 mi. S. of, in SE. corner of right-angle turn in rd., at junction of second-class rd. NW., in angle in fence line, 3 ft. from each fence, on boulder, flush with ground; chiseled square.....	641. 94
Steiner, 3.0 mi. S. of, in SE. corner of bend in rd. to E. and junction of second-class rd. NW., in NW. corner of field owned by A. E. Ogden, in concrete post; standard tablet stamped "H 51 1923".....	634. 813
Reference mark, 81.7 ft. N.70°E. of tablet, buried 6 in. underground; top of cap on pipe.....	632. 60
Steiner, 2.4 mi. S. of, at junction of rd. E., 300 ft. S. of dwelling, on W. side of rd., in root on E. side of prominent oak tree; copper nail and washer.....	609. 63
Steiner, 1.4 mi. S. of, 100 ft. N. of junction of rd. NE., on W. side of rd., in root on W. side of cedar tree; copper nail and washer.....	598. 07

WOODBINE QUADRANGLE⁷⁵

[Latitude 33°30'–33°45'; longitude 97°00'–97°15']

COOKE COUNTY

From Denison No. 3 quadrangle west along Missouri-Kansas-Texas Railroad to Gainesville, thence northwest along Gulf, Colorado & Santa Fe Railway into Marietta quadrangle (by R. W. Coe in 1897)

Gainesville, near sta., on California Street, at NE. corner of brick building occupied by Tyler & Simpson grocery, in center of N. face of top foundation stone; standard tablet (recovered in 1902; recovered also by U. S. C. & G. S. in 1934 and stamped "V 245 1934")-----	Feet 735.235
U. S. C. & G. S. standard disk stamped "T 247 1934" ⁷⁶ -----	738.101
Gainesville, 45.3 ft. S. of S. crossing frog and in line with N. and S. crossing frogs of M. K. T. R. R. and G. C. & S. F. Ry., 6.4 ft. W. of W. rail of former, 6.8 ft. E. of E. rail of latter, 2 in. above ground; iron post (recovered in 1899 and 1902)-----	742.264
Gainesville, about 6.5 mi. NW. of, at N. pier of bridge over Red River, in center of coping stone; copper bolt ⁷⁷ -----	662.691
From Muenster quadrangle northeast and east along Missouri-Kansas-Texas Railroad to Gainesville (by E. W. Glafcke in 1900)	
Lindsay, 750 ft. N. of track, on main street, at SE. corner of store of Pete Jensen; iron post stamped "796 Gainv" (recovered by U. S. C. & G. S. in 1934)-----	796.504
From point on Missouri-Kansas-Texas Railroad 2.4 miles northwest of Gainesville northwest along road into Muenster quadrangle at point 1.8 miles northwest of Wolf Ridge School (by E. W. Glafcke in 1900)	
Wolf Ridge School, 300 ft. SE. of, at rd. fork, at fence corner; iron post stamped "927 Gainv"-----	928.761
Wolf Ridge School, 1.3 mi. NW. of, about 8 mi. SE. of Marysville, at rd. fork, 12 ft. S. of NE. corner fence post; iron post stamped "945 Gainv"-----	946.395
From Gainesville northeast about 11.2 miles along roads into Marietta quadrangle (by M. S. Bright in 1902)	
Gainesville, 3.0 mi. NE. of, 1,400 ft. N. of bridge over Wheeler Creek, in SW. angle of junction of N.-S. rd.; iron post stamped "757 Gainsv"-----	759.565
Gainesville, 8.0 mi. NE. of, 4.5 mi. SW. of Callisburg, about 500 ft. SW. of residence of Sol Turner, opposite large spreading elm tree, 4 ft. S. of "Gainesville 8 mi." sign; iron post stamped "840 Gainsv"-----	841.767
Gainesville, 12.0 mi. NE. of, at Honeycutt triangulation sta.; standard tablet stamped "953 Gainsv"-----	955.102
From Marietta quadrangle generally south along roads by way of Callisburg and Woodbine to Burns, thence northwest to Gainesville (by M. S. Bright in 1902)	
Callisburg, 3.2 mi. N. of, 700 ft. N. of residence of John Dozier, in SW. angle of junction of rd. S.; iron post stamped "795 Gainsv"-----	797.259
Callisburg, at NE. corner of G. C. Wright general store; iron post stamped "808 Gainsv"-----	809.775

⁷⁵ A small area in the northern part of this quadrangle, north of the Red River, lies in Oklahoma.

⁷⁶ The tie between this bench mark and the preceding mark was made in 1937.

⁷⁷ In 1937 this bench mark was reported destroyed.

Callisburg, 3.3 mi. S. of, 3.6 mi. N. of Woodbine, 500 ft. S. of Spring Grove School, 300 ft. N. of drain; in SW. angle of crossroads; iron post stamped "774 Gainsv"-----	Feet 775. 589
Woodbine, 59 ft. N. and 25 ft. W. from crossing of Missouri-Kansas-Texas R. R., on W. side of rd., at SE. corner of post office and grocery of W. R. Crook; iron post stamped "763 Gainsv" ⁷⁸ -----	764. 936
U. S. C. & G. S. standard disk stamped "N 244 1934" ⁷⁹ -----	765. 927
Woodbine, 4.5 mi. SW. of, 4.8 mi. N. of Burns, 200 ft. S. of Gainesville-Pilot Point upper rd., on E. side of rd. S., at NW. corner of Dye School; iron post stamped "742 Gainsv"-----	743. 796
Burns, on S. side of rd., at NE. corner of J. D. West grocery; iron post stamped "680 Gainsv"-----	682. 268
Burns, 3.0 mi. NW. of, 9.3 mi. SE. of Gainesville, 200 ft. NE. of Prairie Grove School, in NE. angle of rd. junction; iron post stamped "756 Gainsv"-----	758. 438
Gainesville, 6.3 mi. SE. of, 550 ft. W. of residence of M. A. Taylor, 60 ft. W. of large drain, in NE. angle of junction of rd. E.; iron post stamped "695 Gainsv"-----	696. 956
Gainesville, 2.7 mi. SE. of, 0.3 mi. SE. of crossing of Wheeler Creek, in SE. angle of junction of rd. E.; iron post stamped "759 Gainsv"-----	761. 271
From Lindsay generally south and west into Muenster quadrangle at point 1.4 miles northeast of Reed (by M. S. Bright in 1902)	
Reed, 2.7 mi. NE. of, 0.2 mi. W. of residence of J. N. Whaley, 160 ft. W. of small drain, on S. side of rd.; iron post stamped "853 Gainsv"-----	854. 574
From Denton No. 1 quadrangle at point north of Valley View generally north and northeast along roads to Gainesville (by M. S. Bright in 1902)	
Valley View, 3.0 mi. N. of, 7.0 mi. SW. of Gainesville, 900 ft. S. of residence of John Crumley, 500 ft. N. of residence of G. Spearman, on W. side of rd. at angle; iron post stamped "755 Gainsv"-----	756. 824
Gainesville, 3.5 mi. SW. of, 0.6 mi. S. of crossroads, 0.2 mi. N. of residence of W. Bedlong, on E. side of rd., 4 ft. E. of milepost 4; iron post stamped "754 Gainsv" ⁸⁰ -----	756. 141
Gainesville, 2.8 mi. SW. of, at junction of rds. to Era and Rosston, at fence corner; iron post stamped "801 Gainsv"-----	802. 379

ZEPHYR QUADRANGLE

[Latitude 31°30'-31°45'; longitude 98°45'-99°00']

BROWN AND MILLS COUNTIES

From Coleman No. 4 quadrangle southeast along Brownwood-Thrifty road to Brownwood (by A. B. Williams in 1924; relevelled by T. G. Smith in same year)

Brownwood, 2.0 mi. NW. of post office, 130 ft. NW. of intersection of Bell Plaine rd., 35 ft. SW. of center line of rd., in root of mesquite tree; copper nail and washer-----	1, 352. 70
Adams Creek, at bridge on Brownwood-Thrifty rd.; surface of water Jan. 14, 1924-----	1, 318. 4
Brownwood, 200 ft. S. of S. corner of Brown County courthouse, in center of street; top of iron turning block-----	1, 337. 16

⁷⁸ In 1937 this bench mark was reported 1.5 feet underground, its location being marked by a stone.

⁷⁹ The tie between this bench mark and the mark stamped "763 Gainsv" was made in 1937.

⁸⁰ In 1930 it was reported that this bench mark had been moved 25 feet east of this location.

Brownwood, at main entrance to post office, in NE. stone light post, on E. side of stone, set vertically; standard tablet stamped "1924" (recovered by U. S. C. & G. S. in 1931)-----	Feet 1, 342. 579
Reference mark, at post office, on N. corner of sidewalk; chiseled square-----	1, 340. 72
From Brownwood No. 2 quadrangle near north limits of Brownwood south along Bell Plaine road to Brownwood (by G. F. Williams in 1924)	
Brownwood, 2.5 mi. N. of post office, at intersection of China Street and Bell Plaine rd., 20 ft. W. of rd., 15 ft. S. of China Street, on top of sandstone boulder; chiseled bench ⁸¹ -----	1, 366. 06
Along streets in Brownwood from post office to city hall (by G. F. Williams in 1924)	
Brownwood, at main entrance to city hall, in N. face of E. buttress of steps; standard tablet stamped "W 26 1924"-----	1, 341. 504
Reference mark, on S. side of Fiske Street, in front of Studebaker Auto Co., on curb; chiseled square-----	1, 341. 00
From Brownwood northeast along Fort Worth road to junction of Goldthwaite road, thence generally east and southeast to point 0.9 mile north of Ricker, thence west along Gulf, Colorado & Santa Fe Railway 1.1 miles, thence along roads alternately southeast and southwest to Elkins, thence generally south and southeast along San Saba road and Ridge road into Richland Springs quadrangle (by A. B. Williams in 1924)	
Adams Creek, 600 ft. E. of courthouse, at bridge; surface of water Jan. 16, 1924-----	1, 314. 4
Brownwood, 1.4 mi. NE. of, 40 ft. S. of junction of Goldthwaite rd., in NE. corner of field owned by William Capps, 5 ft. S. of corner fence post, in concrete post; standard tablet stamped "Prim Trav Sta No 51 T 1923" ⁸² -----	1, 366. 327
Brownwood, 1.4 mi. NE., thence 2.8 mi. E. from, 550 ft. E. of Delaware Creek, at S. curve in rd., 77 ft. N. of center line of rd., 18 ft. N. of 11-in. live-oak tree, 5 ft. inside fence line, in sandstone outcrop; standard tablet stamped "Prim Trav Sta No 52 T 1923"-----	1, 383. 895
Reference mark, 18 ft. S. of tablet, in live-oak tree; copper nail-----	1, 383. 66
Brownwood, 1.4 mi. NE., thence 3.2 mi. SE. from, on N. end of concrete culvert; chiseled square-----	1, 386. 49
Brownwood, 1.4 mi. NE., thence 4.8 mi. SE. from, 1.5 mi. NW. of Ricker, 26 ft. S. and 153 ft. W. from center of steel bridge over Steppes Creek, 21 ft. S. of center line of rd., in sandstone outcrop; standard tablet not stamped ⁸³ -----	1, 347. 254
Ricker, 0.9 mi. N. of, 7.3 mi. by route E. of Brownwood, on rd. to Temple, 400 ft. S. of signpost "B. W. 7 miles," at right-angle turn, on concrete bend in rd.; chiseled square-----	1, 364. 28
Ricker, at R. R. sta., 60 ft. N. of track, 160 ft. SE. of schoolhouse, in root on SE. side of oak tree; copper nail (recovered by U. S. C. & G. S. in 1932)-----	1, 376. 319
Ricker, 1.1 mi. W. along R. R., thence 0.5 mi. along Williams Ranch rd. SE. from, 1,400 ft. SE. of Steppes Creek, 24 ft. E. of center line of rd., near bend, 9 ft. inside fence line, on property of E. A. Jonas, in prominent sandstone outcrop; standard tablet stamped "Prim Trav Sta No 54 T 1923"-----	1, 326. 746

⁸¹ In 1936 this bench mark was reported destroyed.

⁸² In 1931 this bench mark was reported destroyed.

⁸³ This bench mark replaced a standard tablet stamped "Prim Trav Sta No 53 T 1923."

538 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

Ricker, 1.1 mi. W., thence 1.9 mi. SE. from, at summit of hill, 100 ft. N. of house of M. W. Dixon, 30 ft. W. of center line of rd., on limestone outcrop; chiseled square-----	Feet 1, 479. 39
Ricker, 1.1 mi. W., thence 3.1 mi. SE. from, on W. side of rd., in small twin oak tree; copper nail-----	1, 478. 86
Ricker, 1.1 mi. W., thence 3.3 mi. SE. from, 38 ft. E. of center line of Williams Ranch rd., 9 ft. inside fence line, at base of hill, in sandstone outcrop; standard tablet stamped "Prim Trav Sta No 55 T 1923"-----	1, 435. 558
Ricker, 1.1 mi. W., thence 4.3 mi. SE. from, at wooden culvert in rd., 10 ft. S. of E. end of culvert, in root on E. side of 12-in. oak tree; copper nail-----	1, 333. 73
Ricker, 1.1 mi. W., thence 4.9 mi. SE. from, 0.6 mi. NE. of bridge over Pecan Bayou, 40 ft. W. of junction of rd. SW., at point where Williams Ranch rd. continues SE., in fence line, in root on N. side of mesquite tree; copper nail-----	1, 320. 35
Ricker, 1.1 mi. W., thence 5.5 mi. SE. from, 3.3 mi. NW., thence 1.4 mi. NE. from Elkins, 55 ft. NE. of center of E. approach of steel bridge over Pecan Bayou, 3.5 ft. inside fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 56 T 1923"-----	1, 289. 866
Elkins, 3.3 mi. NW. of, 8.5 mi. SE. of post office at Brownwood, 50 ft. W. of intersection of San Saba rd., in SE. end of wooden culvert; copper nail-----	1, 310. 94
Elkins, 2.7 mi. NW. of, at bridge over small creek, 400 ft. N. of sign "Brownwood 9 miles," in NW. corner of bridge; copper nail-----	1, 311. 84
Elkins, 0.7 mi. NW. of, 40 ft. E. of small stream crossing rd., 400 ft. S. of house of Arch Ratcliff, on S. side of rd., 3 ft. from fence line, in concrete post; standard tablet stamped "Prim Trav Sta No 57 T 1923"-----	1, 336. 995
Reference mark, 15 ft. S.60°E. of tablet, in mesquite tree; copper nail-----	1, 336. 54
Elkins, 100 ft. E. of store, 180 ft. W. of blacksmith shop, 60 ft. E. of rd., in root on W. side of mesquite tree; copper nail-----	1, 324. 68
Mackinnally Creek; surface of water Jan. 26, 1924-----	1, 308. 6
Elkins, 1.5 mi. S. of, on W. side of rd., in fence line, in live-oak tree; copper nail-----	1, 441. 04
Elkins, 2.7 mi. S. of, about 15 mi. SE. of Brownwood, 150 ft. SE. of small pond on W. side of rd., 40 ft. E. of center line of rd., 60 ft. N. of stream crossing, 3 ft. inside fence line; standard tablet stamped "Prim Trav Sta No 58 T 1923"-----	1, 376. 366
Elkins, 2.9 mi. S. of, on W. side of rd., in tree; copper nail-----	1, 395. 49
Elkins, 3.9 mi. S. of, 60 ft. NE. of sharp turn in rd., 20 ft. E. of center line of rd., 100 ft. W. of house, on small sandstone outcrop; chiseled square-----	1, 502. 87
Elkins, 5.1 mi. SE. of, on E. side of rd., 80 ft. SE. of large live-oak tree, 6 ft. E. of center line of rd., 2 ft. W. of fence line, on sandstone outcrop; chiseled square-----	1, 472. 67
Elkins, 5.7 mi. SE. of, 100 ft. N. of private rd. E. through gate, 50 ft. E. of center line of rd., in root of twin mesquite tree; copper nail-----	1, 510. 25
Elkins, 6.1 mi. SE. of, 4.4 mi. NW. of Ridge, 7.4 mi. N. of Regency, 350 ft. N. of bend in rd., 20 ft. E. of center line of rd., 6 ft. inside fence line, in sandstone outcrop; standard tablet stamped "Prim Trav Sta No 59 T 1923"-----	1, 500. 011

From Brownwood southeast along San Saba road to point 3.3 miles northwest of Elkins (by G. F. Williams in 1924)

	<i>Feet</i>
Brownwood, 0.8 mi. S. of post office, in SW. corner of intersection of Austin and Coggin Avenues, opposite Daniel Baker College, in E. corner of yard, on top of small concrete post; chiseled square.....	1, 351. 05
Brownwood, 2.6 mi. SE. of, 0.25 mi. S. of iron bridge over Willis Creek, on E. side of rd., opposite white bungalow on W. side of rd., 3 ft. outside fence line, 3 ft. E. of W. edge of limestone outcrop; chiseled square.....	1, 345. 23
Brownwood, 3.0 mi. SE. of, 50 ft. S. and 50 ft. W. from junction of Indian Creek rd., 15 ft. S. and 10 ft. E. from fence corner, on limestone rock, flush with ground; chiseled square.....	1, 384. 88
Brownwood, 4.0 mi. SE. of, 15 ft. W. of rd., 35 ft. S. of second-class rd. SW., 10 ft. S. and 1 ft. W. from mail box of I. A. Davis, on limestone rock, flush with ground; chiseled square.....	1, 426. 37
Brownwood, 5.0 mi. SE. of, at jog in rd., in W. angle of junction of NE.-SW. rd., 30 ft. NW. of NE.-SW. rd., 250 ft. NE. of junction of rd. SE., in fence line, in root of 12-in. live-oak tree; copper nail and washer.....	1, 348. 97
Brownwood, 6.2 mi. SE. of, about 0.5 mi. E. of Lewis Valley School, 75 ft. W. of rd., at grade on curve in rd., in sandstone boulder in place; standard tablet stamped "Prim Trav Sta No 13 S 1923 Texas W 21".....	1, 401. 233
Reference mark, 15 ft. W. of tablet, on sandstone boulder; chiseled bench.....	1, 401. 71
Brownwood, 7.4 mi. SE. of, 4.4 mi. NW. of Elkins, on S. side of San Saba rd., 20 ft. W. of gate to private rd. SW., inside fence line, in root of mesquite tree; copper nail and washer.....	1, 297. 63

From Brownwood southwest along lower Brady-Brownwood road into Coleman No. 4 quadrangle (by G. F. Williams in 1924)

Brownwood, 2.0 mi. SW. of post office at, 45 ft. SW. of second-class rd. NW., 15 ft. W. of rd., 8 ft. S. of oil pipe line crossing rd., on top of brown sandstone ledge rock in place; chiseled bench.....	1, 408. 59
Brownwood, 2.9 mi. SW. of, about 750 ft. S. of Y-junction of rd., 300 ft. S. of junction of two small creeks, on W. side of rd., outside fence line, in hub of small mesquite tree; copper nail and washer.....	1, 375. 90
Brownwood, 4.1 mi. SW. of, at concrete bridge, on W. end of N. abutment; chiseled bench.....	1, 400. 88
Brownwood, 4.4 mi. SW. of, 700 ft. S. of house of V. G. Grady, 50 ft. E. of center line of rd., in sandstone boulder in place; standard tablet stamped "Prim Trav Sta No 10 S 1923 W 17".....	1, 422. 717

From Coleman No. 4 quadrangle at point about 0.5 mile east of Jordan Springs School along roads east and northeast to point on San Saba road 3 miles southeast of Brownwood (by G. F. Williams in 1924)

Jordan Springs School, 1.1 mi. E. of, 8.3 mi. S. of post office at Brownwood, 35 ft. S. and 25 ft. W. from junction of N.-S. rd., in root on W. side of 2-in. mesquite tree; copper nail and washer.....	1, 499. 44
Brownwood, 7.3 mi. S. of, in NE. angle of junction of private rd. E., on E. side of rd., 60 ft. N. of private rd., at fence line, in root of 1.5-in. mesquite tree; copper nail and washer.....	1, 529. 14
Brownwood, 6.3 mi. S. of, 60 ft. W. of rd., 20 ft. W. of fence line, in pasture, in limestone outcrop; standard tablet stamped "W 19 1924".....	1, 467. 919

540 SPIRIT LEVELING IN TEXAS—PART 4. NORTH-CENTRAL TEXAS

	<i>Feet</i>
Reference mark, 30 ft. W. of rd., 15 ft. E. of W. fence line, at bend to NE., on sandstone boulder in place; chiseled bench.....	1, 469. 18
Brownwood; 3.0 mi. SE., thence 2.0 mi. SW. from, 1.6 mi. SW. of Indian Creek School (Woodland Heights School), in line with center of T-rd. W., 30 ft. E. of Indian Creek rd., 6 ft. outside fence line, 45 ft. NE. of junction of lane E., on limestone boulder in place; chiseled bench.....	1, 422. 41
Brownwood, 3.0 mi. SE., thence 0.9 mi. SW. from, 0.5 mi. W. of Indian Creek School (Woodland Heights School), 30 ft. W. of Indian Creek rd., 150 ft. S. of second-class rd. W., 80 ft. N. of bend to SW., on limestone boulder, flush with ground; chiseled bench....	1, 394. 15
Brownwood, 3.0 mi. SE., thence 0.5 mi. SW. from, 600 ft. SW. of Indian Creek School (Woodland Heights School), 80 ft. N. of Indian Creek rd., in pasture, on limestone boulder in place; standard tablet stamped "Prim Trav Sta No 12 S 1923 W 20".....	1, 386. 889
Reference mark, 60 ft. SW. of tablet, inside fence, on limestone boulder in place; chiseled square.....	1, 385. 54
From point on Williams Ranch road 0.6 mile northeast of Pecan Bayou bridge along roads southeast to Blanket Springs, thence south and southeast into Mullin quadrangle (by G. F. Williams in 1924)	
Ricker, 1.1 mi. W. along R. R., thence 7.4 mi. along Williams Ranch rd. SE. from, about 3 mi. NE. of Elkins, 0.3 mi. NW. of Pleasant Ridge School (Williams School), in triangle at junction of T-rd. SW., on sandstone boulder in place; chiseled square.....	1, 307. 24
Pleasant Ridge School, 1.0 mi. SE. of, 25 ft. E. of rd., 1 ft. outside fence line, in root of mesquite tree; copper nail and washer.....	1, 310. 54
Pleasant Ridge School, 1.3 mi. SE. of, 5.0 mi. SW., thence 1.0 mi. along Williams Ranch rd. W. from Zephyr, 2.4 mi. NW. of Blanket Springs, 60 ft. N. of rd., 20 ft. S. of fence line, on W. slope of ridge, in conglomerate boulder in place; standard tablet stamped "Prim Trav Sta No 14 S 1923 W 25".....	1, 369. 515
Blanket Springs, 1.2 mi. NW. of, near Brown-Mills county line, 35 ft. E. of Williams Ranch rd., 90 ft. N. of creek, at S. end of gate to field, in root of oak tree; copper nail and washer.....	1, 332. 72
Blanket Springs, in NW. angle of crossroads, 80 ft. SW. of Blanket Springs Baptist Church, 50 ft. S. and 320 ft. W. from Blanket Springs School, in stone post; standard tablet stamped "Prim Trav Sta No 68 T 1924 W 24".....	1, 376. 409
Reference mark, 20 ft. N. and 65 ft. W. from NW. corner of Blanket Springs Baptist Church, 35 ft. N. and 25 ft. E. from crossroads, on sandstone outcrop, flush with ground; chiseled bench.....	1, 372. 95
Blanket Springs, 1.5 mi. S. of, on N. side of Sleepy Hollow rd., 600 ft. from bend in rd. W., about 1,200 ft. E. of house of J. W. Driskill, 118 ft. W. of drain crossing rd., 1.5 ft. S. of fence line, in sandstone outcrop, flush with ground; standard tablet stamped "Prim Trav Sta No 67 T 1924 W 23".....	1, 376. 402
Blanket Springs, 2.4 mi. S. of, 40 ft. NW. of Sleepy Hollow rd., 25 ft. NW. of fence line, on divide in drain, in root of 18-in. oak tree; copper nail and washer.....	1, 353. 07
Blanket Springs, 4.3 mi. SE. of, 0.5 mi. W. of Red Top School, on W. side of Sleepy Hollow rd., at sharp turn to E., at fence line, 15 ft. N. of fence intersection, in root of mesquite tree; copper nail and washer..	1, 394. 15

	<i>Feet</i>
Blanket Springs, 5.2 mi. SE. of, 0.5 mi. SE. of Red Top School, on Sleepy Hollow rd., 245 ft. NW. of junction of private rd. W., near mail box of A. R. Minica, 37 ft. W. of center line of rd., 1 ft. outside fence line, in sandstone boulder; standard tablet stamped "Prim Trav Sta No 66 T 1924 W 22"-----	1, 352. 708
Reference mark, 20 ft. SE. of Minica mail box, at rd. junction, near two large boulders on bank of drain, on brown sandstone boulder, flush with ground; chiseled square-----	1, 332. 79
From Richland Springs quadrangle generally north along Brownwood-San Saba road to point 7.4 miles north of Regency (by E. E. Harris in 1924)	
Regency, 6.4 mi. N. of, 80 ft. N. of drain, on W. side of rd., in root on W. side of 10-in. live-oak tree; copper nail and washer-----	1, 459. 61
Northeast and southeast 0.8 mile along road near south border of quadrangle (by E. E. Harris in 1925)	
[A jog from Richland Springs quadrangle]	
Oakland School, 2.2 mi. NE. of, 2.7 mi. by rd. W. of Ebony, in SE. corner of junction of rd. E., in sandstone post; standard tablet stamped "Prim Trav Sta No 31 J 1924 H 187"-----	1, 375. 187
Reference mark, 227 ft. E. of tablet, in root on E. side of 6-in. mesquite tree-----	1, 370. 02
Along roads northeast to point 0.6 mile northwest of Ebony, thence southeast to Ebony, thence south 0.2 mile (by E. E. Harris in 1925)	
[A jog from Richland Springs quadrangle]	
Ebony, 0.6 mi. NW. of, on S. side of rd., in line with private rd. N., in root on N. side of 12-in. mesquite tree; copper nail and washer-----	1, 357. 45
Ebony, 80 ft. S. of post office, on W. side of rd., in root on E. side of 6-in. mesquite tree; copper nail and washer-----	1, 343. 46
From Coleman No. 4 quadrangle along roads northeast to Indian Creek, thence southeast 1.7 miles into Richland Springs quadrangle (by E. E. Harris in 1925)	
Indian Creek, 1.1 mi. SW. of schoolhouse at, 50 ft. W. of rd., at summit of grade, in front of dwelling, in root on E. side of 15-in. mesquite tree; copper nail and washer-----	1, 307. 97
Indian Creek, at front entrance to schoolhouse, in N. end of stone step; standard tablet stamped "H 192 1925"-----	1, 327. 453
Reference mark, 175 ft. N.30°E. of tablet, in root on E. side of 10-in. mesquite tree; copper nail and washer-----	1, 325. 93
Indian Creek, 1.0 mi. SE. of, in SE. corner of junction of rd. E., 10 ft. E. of fence line, in crotch of small mesquite tree; copper nail and washer-----	1, 337. 68
From Coleman No. 4 quadrangle generally east along Dulin road to Indian Creek (by W. R. Broaddus in 1925)	
Indian Creek, 1.2 mi. along Dulin rd. SW. of schoolhouse at, 130 ft. NW. of rd. corner, in fence line, in root on W. side of 12-in. mesquite tree; copper nail and washer-----	1, 318. 60

SUPPLEMENTAL ELEVATIONS IN NORTH-CENTRAL TEXAS

The table below shows altitudes of well-known features in north-central Texas, such as summits and tops of rails at railroad stations, as assembled from records and topographic maps of the Geological Survey and from other sources.⁸⁴

These altitudes, with the exception of rail heights, which were determined by spirit leveling along the railroads, were obtained by barometric and vertical-angle measurements. The figures given are in accord with the latest information, but they are only approximate and should not be used for accurate work.

Supplemental elevations

Location	Quadrangle	County	Elevation (feet)
Abbott, M. K. T. R. R.	West	Hill	713
Abilene, T. & P. Ry.	Abilene No. 1	Taylor	1,720
Acme, F. W. & D. C. Ry., at crossing of Quanah, Acme & Pacific Ry.	Acme	Hardeman	1,515
Alarm Δ	Stephenville No. 4	Erath	1,418
Alexander, M. K. T. R. R.	Stephenville No. 4	Erath	1,165
Alvarado, M. K. T. R. R.	Cleburne No. 1	Johnson	693
Alvord, F. W. & D. C. Ry.	Sunset No. 1	Wise	880
Anarene, W. F. & S. R. R.	Newcastle No. 1	Archer	1,129
Anderson Mountain	Gatesville No. 3	Coryell	1,265
Antelope Gap, G. C. & S. F. Ry.	Lampasas No. 2	Lampasas	1,489
Antelope Hill	Gatesville No. 3	Coryell	1,020
Antelope Hills	Albany No. 2	Shackelford	1,700
Antelope Mountain	Pickwick	Palo Pinto	1,440
Archer City, W. F. & S. R. R.	Archer City	Archer	1,042
Arlington, T. & P. Ry.	Fort Worth No. 4	Tarrant	616
Austin Junction, T. & N. O. R. R., at crossing of M. K. T. R. R.	Austin No. 1	Travis	476
Avondale, F. W. & D. C. Ry.	Fort Worth No. 2	Tarrant	844
Babyhead Mountain	Llano No. 1	Llano	1,625
Bachelor Δ (U. S. C. & G. S.)	Burnet No. 1	Burnet	1,390
Backbone Mountain	Marble Falls	Burnet	1,180
Baird, T. & P. Ry.	Baird No. 2	Callahan	1,719
Bald Eagle Peak	Abilene No. 3	Taylor	2,255
Bald Knob	Marble Falls	Burnet	1,320
Bald Knob Δ	Austin No. 1	Travis	680
Baldy Mountain	Tow	Burnet	1,325
Ball Mountain	Ivan	Stephens	1,180
Dags, O. C. & S. F. Ry.	Coleman No. 4	Brown	1,606
Barber Mountain	Mineral Wells	Palo Pinto	1,080
Bare Butte	Holliday	Wichita	1,070
Barnard Knob	Godley	Hood	925
Barton Δ (U. S. C. & G. S.)	Mount Bonnell	Travis	1,036

⁸⁴ Avers, H. G., Precise leveling in Texas: U. S. Coast and Geodetic Survey Special Pub. 77, 1929; Mitchell, Hugh C., First-order triangulation in Texas: U. S. Coast and Geodetic Survey Special Pub. 189, 1935.

Supplemental elevations—Continued

Location	Quadrangle	County	Elevation (feet)
Bastrop, M. K. T. R. R.	Bastrop No. 3.	Bastrop.	368
Bead Mountain.	Voss.	Coleman	2,050
Bee Mountain.	Morgan.	Bosque	770
Bell Mountain.	Fredericksburg No. 1.	Gillespie	1,950
Belnap Δ.	Graham.	Young	1,387
Belt Junction, S. L. S. F. Ry.	Fort Worth No. 3.	Tarrant.	673
Benbrook, T. & P. Ry.	Fort Worth No. 3.	Tarrant.	665
Bennetts, T. & P. Ry.	Santo.	Parker	754
Berry Knob.	Godley.	Johnson.	900
Bertram, T. & N. O. R. R.	Bertram.	Burnet.	1,261
Beverly, T. & N. O. R. R.	Marble Falls.	Llano.	921
Bill Black Peak.	Mason No. 1.	San Saba.	1,900
Blue Mound.	Fort Worth No. 2.	Tarrant.	855
Blue Mound.	Montague No. 4.	Montague.	1,300
Blue Mountains.	Mason No. 3.	Mason	2,217
Blue Δ (U. S. C. & G. S.)	Nocona.	Montague.	1,024
Bonita, M. K. T. R. R.	Nocona.	Montague.	934
Boulder Δ.	Graham.	Young	1,244
Boultinghouse Mountain.	Bertram.	Burnet.	1,360
Bowie, C. R. I. & P. Ry.	Montague No. 3.	Montague.	1,090
Bowie, F. W. & D. C. Ry.	Montague No. 3.	Montague.	1,124
Bowie Mountain.	Llano No. 4.	Llano.	1,500
Box, G. C. & S. F. Ry.	Lampasas No. 2.	Lampasas.	1,506
Brady, G. C. & S. F. Ry.	Brady No. 3.	McCulloch.	1,685
Bread Tray Mountain.	Gatesville No. 1.	Coryell.	875
Breckenridge, W. F. & S. R. R.	Breckenridge No. 2.	Stephens.	1,184
Bridgeport, C. R. I. & P. Ry.	Sunset No. 3.	Wise.	759
Brookesmith, F. W. & R. G. Ry.	Coleman No. 4.	Brown.	1,350
Brown Δ (U. S. C. & G. S.)	Lampasas No. 1.	Coryell.	1,470
Browns Mountain.	Albany No. 4.	Stephens.	1,410
Brownwood, G. C. & S. F. Ry.	Zephyr.	Brown.	1,342
Bruceville, M. K. T. R. R.	Temple No. 1.	McLennan.	592
Brushy Knob.	Blum.	Hill.	810
Brushy Knob.	Cleburne No. 2.	Johnson.	1,050
Brushy Knob.	Fort Worth No. 3.	Tarrant.	905
Brushy Mound.	Montague No. 3.	Montague.	1,150
Brushy Mountain.	Mercury.	San Saba.	1,495
Brushy Mountain.	Stephenville No. 2.	Erath.	1,530
Brushy Point.	Ivan.	Stephens.	1,260
Bryson, C. R. I. & P. Ry.	Jacksboro No. 3.	Jack.	1,228
Buffalo Peak.	Blanco No. 2.	Blanco.	1,670
Bugger Hill.	Goldthwaite.	San Saba.	1,450
Bunker Hill.	Llano No. 1.	Llano.	1,420
Bunker Hill.	Stephenville No. 4.	Erath.	1,460
Burnet, T. & N. O. R. R.	Burnet No. 1.	Burnet.	1,288
Burton Knob.	Springtown.	Parker.	920
Buzzard Mountain.	Mercury.	San Saba.	1,405
Buzzard Peak.	McGregor.	Coryell.	720
Buzzard Δ (U. S. C. & G. S.)	Bertram.	Burnet.	1,417
C. J. Mountain.	Ivan.	Stephens.	1,450
Caddo Peak.	Cleburne No. 2.	Johnson.	1,050
Cain City, F. & N. Ry.	Fredericksburg No. 3.	Gillespie.	1,748
Caldwell Knob Δ.	Bastrop No. 3.	Bastrop.	580
Caleb, F. W. & D. C. Ry.	Fort Worth No. 2.	Tarrant.	836
Callan, F. W. & R. G. Ry.	Eden No. 4.	Menard.	2,027
Cap Mountain.	Llano No. 4.	Llano.	1,350
Carpenter Δ (U. S. C. & G. S.), Carpenter Hills.	Austin No. 3.	Hays.	886
Castle Mountain.	Marble Falls.	Burnet.	1,050
Castle Peak.	Lampasas No. 2.	Lampasas.	1,552

Supplemental elevations—Continued

Location	Quadrangle	County	Elevation (feet)
Castor, G. C. & S. F. Ry.	Goldthwaite.	Mills.	1,503
Caudle Mountain.	Ivan.	Palo Pinto	1,380
Cedar Knob.	Glen Rose.	Somervell.	1,250
Cedar Mountain.	Eastland No. 2.	Eastland.	1,600
Cedar Mountain.	Glen Rose.	Bosque.	1,150
Cedar Mountain.	Llano No. 4.	Llano.	1,850
Cedar Mountain.	Tow.	Burnet.	1,450
Cedar Ridge.	Grosvenor.	Coleman.	1,690
Cedar Top Peak.	Lampasas No. 3.	Lampasas.	1,505
Cedar Δ (U. S. C. & G. S.)	Austin No. 3.	Hays.	1,165
Chamliiss Δ (U. S. C. & G. S.)	Hamilton No. 4.	Hamilton.	1,341
Chandlers Peak.	Abilene No. 4.	Coleman.	2,200
Chautauqua, T. & P. Ry.	Baird No. 2.	Callahan.	1,528
Cherry Δ .	Graham.	Young.	1,249
Chillicothe, F. W. & D. C. Ry.	Eldorado.	Hardeman.	1,397
Chillicothe, P. & S. F. Ry.	Eldorado.	Hardeman.	1,393
Circleville, M. K. T. R. R.	Taylor No. 3.	Williamson.	550
Cisco, T. & P. Ry.	Eastland No. 2.	Eastland.	1,619
Clairette, M. K. T. R. R.	Stephenville No. 4.	Erath.	1,095
Clayton Δ (U. S. C. & G. S.)	Abilene No. 4.	Taylor.	1,841
Clyde, T. & P. Ry.	Baird No. 2.	Callahan.	1,989
Clyde Δ (U. S. C. & G. S.)	Baird No. 2.	Callahan.	2,079
Coleman, G. C. & S. F. Ry.	Coleman No. 2.	Coleman.	1,691
Comanche Δ , Comanche Peak.	Tolar.	Hood.	1,229
Comyn, M. K. T. R. R.	Stephenville No. 3.	Comanche.	1,248
Copperas Cove, G. C. & S. F. Ry.	Gatesville No. 3.	Coryell.	1,086
Coppers, M. K. T. R. R.	Muenster.	Cooke.	1,165
Corn Knob.	Richland Springs.	San Saba.	1,340
Coupland, M. K. T. R. R.	Bastrop No. 2.	Williamson.	521
Cowen, F. W. & D. C. Ry.	Sunset No. 1.	Wise.	872
Cowhouse Mountain.	Hamilton No. 3.	Comanche.	1,660
Crawford Mountain.	Pickwick.	Palo Pinto.	1,473
Crest, M. K. T. R. R.	Montague No. 4.	Montague.	1,151
Crossville Peak.	Gatesville No. 3.	Bell.	1,160
Cube Δ (U. S. C. & G. S.)	Henrietta No. 1.	Clay.	980
Cut Off Mountain.	Meridian No. 3.	Hamilton.	1,200
Daffan, H. & T. C. R. R.	Austin No. 1.	Travis.	616
Dalton Mountain.	Gatesville No. 1.	Coryell.	950
Dalton Mountain.	Pickwick.	Palo Pinto.	1,200
Dalzell, F. W. & R. G. Ry.	Coleman No. 4.	Brown.	1,485
Dancer Peak.	Llano No. 4.	Llano.	1,720
Davis Hill.	Austin No. 3.	Travis.	900
Davis Δ (U. S. C. & G. S.)	Jacksboro No. 4.	Jack.	1,268
Decatur, F. W. & D. C. Ry.	Boyd.	Wise.	1,058
De Leon, M. K. T. R. R.	Eastland No. 4.	Comanche.	1,279
Dothan, T. & P. Ry.	Baird No. 1.	Eastland.	1,620
Double Mountain.	Breckenridge No. 3.	Stephens.	1,560
Double Mountains.	Santo.	Palo Pinto.	1,200
Dublin, M. K. T. R. R.	Stephenville No. 3.	Erath.	1,459
Dublin, S. L. S. F. Ry.	Stephenville No. 3.	Erath.	1,472
Dunman Mountain.	Marble Falls.	Llano.	1,265
Dye Mounds.	Montague No. 4.	Montague.	1,236
Eagle Mountain.	Abilene No. 1.	Callahan.	2,240
Earls, T. & P. Ry.	Weatherford No. 4.	Parker.	907
East Peak.	Abilene No. 2.	Taylor.	2,450
Eastland, T. & P. Ry.	Eastland No. 2.	Eastland.	1,433
Eddy, M. K. T. R. R.	Temple No. 1.	McLennan.	672
Electra, F. W. & D. C. Ry.	China Creek.	Wichita.	1,228
Elgin, M. K. T. R. R.	Bastrop No. 2.	Bastrop.	570

Supplemental elevations—Continued

Location	Quadrangle	County	Elevation (feet)
Ellasville, W. F. & S. R. R.	Breckenridge No. 2	Young	1,062
Elm Mott, M. K. T. R. R.	Elm Mott	McLennan	518
Enchanted Rock	Llano No. 3	Llano	1,820
Evensville Peak	Breckenridge No. 4	Palo Pinto	1,450
Fairplains, G. C. & S. F. Ry.	Woodbine	Cooke	739
Fawcett, M. K. T. R. R.	Bastrop No. 4	Bastrop	332
Fishers Rock	Llano No. 4	Llano	1,075
Flat Top Mountain	Glen Rose	Bosque	1,250
Flat Top Δ	Albany No. 1	Shackelford	1,350
Flattop Δ (U. S. C. & G. S.)	Lampasas No. 4	Lampasas	1,531
Fort Worth, T. & P. Ry.	Fort Worth No. 3	Tarrant	614
Franklin Δ (U. S. C. & G. S.)	Lampasas No. 4	Lampasas	1,401
Fredericksburg, F. & N. Ry.	Fredericksburg No. 2	Gillespie	1,698
Fromme, T. & N. O. R. R.	Austin No. 1	Travis	767
Fruitland, F. W. & D. C. Ry.	Montague No. 3	Montague	1,049
Gabriel Δ (U. S. C. & G. S.)	Georgetown No. 2	Williamson	1,208
Gainesville, M. K. T. R. R.	Woodbine	Cooke	732
Gatlin Δ (U. S. C. & G. S.)	Stephenville No. 2	Erath	1,486
Gibson Δ (U. S. C. & G. S.)	Hamilton No. 1	Erath	1,388
Gilbert Δ (U. S. C. & G. S.)	Weatherford No. 2	Parker	1,303
Gilmore Δ (U. S. C. & G. S.)	Gatesville No. 3	Coryell	1,287
Gleason Δ (U. S. C. & G. S.)	Meridian No. 2	Hamilton	1,332
Goldsboro, G. C. & S. F. Ry.	Abilene No. 4	Coleman	1,947
Goldthwaite, G. C. & S. F. Ry.	Goldthwaite	Mills	1,580
Goodlett, F. W. & D. C. Ry.	Ame	Hardeman	1,577
Gordon Mountain	Pickwick	Palo Pinto	1,161
Gorgon Mountain	Montague No. 4	Montague	1,275
Gorman, M. K. T. R. R.	Eastland No. 4	Eastland	1,446
Gotcher, G. C. & S. F. Ry.	Gatesville No. 3	Lampasas	968
Graham Lake	Graham	Young	1,044
Grand View, M. K. T. R. R.	Cleburne No. 1	Johnson	696
Granger, M. K. T. R. R.	Taylor No. 3	Williamson	579
Granite Mountain	Marble Falls	Burnet	990
Granite Mountain Station, T. & N. O. R. R.	Marble Falls	Burnet	859
Graphite, T. & N. O. R. R.	Llano No. 4	Llano	980
Green Hill	Round Rock	Williamson	770
Greer Mountains	Albany No. 4	Shackelford	1,520
Grimes Mountain	Killeen	Bell	790
Grindstone Mountain	Montague No. 3	Montague	1,120
Grover, T. & N. O. R. R.	Georgetown No. 3	Burnet	1,148
Gunsight Mountain	Breckenridge No. 3	Eastland	1,650
Hamilton, S. L. SW. Ry.	Hamilton No. 4	Hamilton	1,156
Hamrick, G. C. & S. F. Ry.	Coleman No. 2	Coleman	1,784
Handley, T. & P. Ry.	Fort Worth No. 4	Tarrant	590
Hanna Mountain	Richland Springs	Mills	1,410
Hardin Hills	Marble Falls	Llano	1,062
Harkey Knobs	Algerita	San Saba	1,465
Harris Peak	Pickwick	Palo Pinto	1,381
Harwell, T. & N. O. R. R.	Marble Falls	Burnet	862
Haslet, G. C. & S. F. Ry.	Fort Worth No. 2	Tarrant	698
Hatchel, A. & S. Ry.	Ballinger No. 2	Runnels	1,719
Hayrick Mountain	Ivan	Palo Pinto	1,165
Hearn Δ (U. S. C. & G. S.)	Eastland No. 2	Eastland	1,639
Henson Mountain	Gatesville No. 1	Coryell	955
Herman, F. W. & D. C. Ry.	Boyd	Wise	933
Hickory Mountain	Llano No. 4	Llano	1,615
Hico, M. K. T. R. R.	Hamilton No. 1	Hamilton	1,008

Supplemental elevations—Continued

Location	Quadrangle	County	Elevation (feet)
Hillingdon, F. & N. Ry.	Fredericksburg No. 3	Kendall	1,528
Hills Prairie, M. K. T. R. R.	Bastrop No. 3	Bastrop	355
Hillsboro, M. K. T. R. R.	Cleburne No. 4	Hill	621
Hodge, T. & N. O. R. R.	Burnet No. 1	Burnet	1,396
Hog Mountain	Breckenridge No. 3	Stephens	1,375
Hog Mountain	Georgetown No. 2	Bell	1,140
Holland, M. K. T. R. R.	Taylor No. 2	Bell	526
Hoover Knobs	Hamilton No. 3	Hamilton	1,555
Horse Mountain	Llano No. 1	Llano	1,460
House Mountain	Llano No. 3	Llano	1,830
Hoxie, M. K. T. R. R.	Taylor No. 3	Williamson	611
Hundley, F. W. & R. G. Ry.	Brady No. 3	McCulloch	1,722
Indian Knob	Weatherford No. 2	Parker	1,350
Indian Mountain	Eastland No. 4	Comanche	1,400
Indian Mountain	Grosvenor	Brown	1,600
Indian Δ (U. S. C. & G. S.)	Jacksboro No. 2	Jack	1,297
Iona, T. & P. Ry.	Weatherford No. 4	Parker	962
Iredell, M. K. T. R. R.	Meridian No. 2	Bosque	879
Iron Spur, T. & N. O. R. R.	Llano No. 1	Llano	963
Jim Ned Δ	Montague No. 4	Montague	1,294
Johnson Peak	Meridian No. 2	Bosque	1,300
Johnston Peak	Pickwick	Palo Pinto	1,361
Jones Δ (U. S. C. & G. S.)	Henrietta No. 4	Clay	1,189
Judd, T. & P. Ry.	Palo Pinto No. 3	Palo Pinto	917
Keeler Knob	Grosvenor	Brown	1,575
Kempner, G. C. & S. F. Ry.	Gatesville No. 3	Lampasas	876
Kennard Δ (U. S. C. & G. S.)	Abilene No. 1	Callahan	2,032
Killeen, G. C. & S. F. Ry.	Killeen	Bell	832
Kinchel Peak	Lampasas No. 1	Lampasas	1,433
King Δ (U. S. C. & G. S.)	Gatesville No. 2	Coryell	1,174
Kings Mountain	Llano No. 2	Llano	1,675
Kyle Δ , Kyle Mountain	Pickwick	Palo Pinto	1,363
Lacasa Δ (U. S. C. & G. S.)	Breckenridge No. 4	Stephens	1,590
Lake Pinto	Mineral Wells	Palo Pinto	896
Lake Victor, T. & N. O. R. R.	Burnet No. 1	Burnet	1,382
Lamb Δ (U. S. C. & G. S.)	Baird No. 1	Eastland	1,755
Lambert, T. & P. Ry.	Weatherford No. 2	Parker	1,168
Langford Mountain	Gatesville No. 1	Coryell	900
Lawn, G. C. & S. F. Ry.	Abilene No. 4	Taylor	1,909
Leander, T. & N. O. R. R.	Georgetown No. 3	Williamson	974
Lem, T. & P. Ry.	Eastland No. 2	Eastland	1,505
Leon Junction, S. L. SW. Ry.	Gatesville No. 1	Coryell	878
Levita, S. L. SW. Ry.	Meridian No. 3	Coryell	935
Liberty Hill, T. & N. O. R. R.	Georgetown No. 3	Burnet	1,032
Lightner, F. W. & R. G. Ry.	Eden No. 4	Concho	1,887
Lindsay, M. K. T. R. R.	Woodbine	Cooke	790
Littig, H. & T. C. R. R.	Bastrop No. 2	Travis	457
Little Pompey Mountain	Mullin	Mills	1,725
Little Sandy Mountain	Marble Falls	Llano	987
Llano, T. & N. O. R. R.	Llano No. 1	Llano	1,022
Lockhart Mountain	Llano No. 1	Llano	1,400
Lometa, G. C. & S. F. Ry.	Lampasas No. 3	Lampasas	1,486
Lone Mountain	Glen Rose	Erath	1,350
Lone Mountain	Meridian No. 2	Hamilton	1,305
Lone Mountain Δ (U. S. C. & G. S.)	Stephenville No. 4	Erath	1,407
Lone Oak Mountain	Llano No. 2	Llano	1,850

Supplemental elevations—Continued

Location	Quadrangle	County	Elevation (feet)
Lone Tree Δ	Mount Bonnell	Travis	975
Lone Woman Mountain	Blanco No. 4	Hays	1,480
Loneman Δ (U. S. C. & G. S.), Lone Man Mountain.	Blanco No. 4	Hays	1,422
Long Mountain	Gatesville No. 3	Coryell	1,335
Long Mountain	Marble Falls	Llano	1,356
Lookout Mountain	Mercury	Coleman	1,600
Lorena, M. K. T. R. R.	Temple No. 1	McLennan	593
Lost Mountain	Eastland No. 3	Brown	1,900
Lost Mountain	Mercury	Coleman	1,650
Lotman Δ, Lotman Hill	Bastrop No. 3	Bastrop	600
McAdams Peak	Pickwick	Palo Pinto	1,400
McAvoy Mountain	Pickwick	Palo Pinto	1,231
McClenny Δ (U. S. C. & G. S.)	Stephenville No. 1	Erath	1,318
McCracken Mound	Montague No. 4	Montague	1,150
McNeil, T. & N. O. R. R., at crossing of I. G. N. R. R.	Austin No. 1	Travis	830
McQuirt Mountain	Stephenville No. 2	Erath	1,200
Manere Mountain	Gatesville No. 3	Bell	1,160
Mangum, M. K. T. R. R.	Eastland No. 2	Eastland	1,484
Manor, H. & T. C. R. R.	Austin No. 1	Travis	528
Marble Falls, T. & N. O. R. R.	Marble Falls	Burnet	756
Marquart, F. & N. Ry.	Fredericksburg No. 3	Kendall	1,414
May Δ (U. S. C. & G. S.)	Burnet No. 1	Burnet	1,531
Mayberry Mountain	Grosvenor	Brown	1,590
Mercury, F. W. & R. G. Ry.	Mercury	McCulloch	1,450
Miller Mountain	Llano No. 1	Llano	1,325
Mingus, T. & P. Ry.	Palo Pinto No. 3	Palo Pinto	954
Moody, G. C. & S. F. Ry.	McGregor	McLennan	784
Morgan, M. K. T. R. R.	Morgan	Bosque	721
Morgan Mountain	Mercury	Coleman	1,420
Moro Mountain	Abilene No. 3	Runnels	2,370
Mount Alamo, F. & N. Ry.	Fredericksburg No. 3	Kendall	1,784
Mount Connor	Albany No. 3	Shackelford	1,870
Mount Hudson	Fredericksburg No. 1	Gillespie	1,800
Mount View	Nocona	Montague	960
Myers Δ (U. S. C. & G. S.)	Henrietta No. 4	Clay	1,133
Myers Δ (U. S. C. & G. S.)	Meridian No. 4	Coryell	1,058
Nebo Mountain	Dennis	Parker	1,035
Newcastle, W. F. & S. R. R.	Graham	Young	1,125
Niblock, G. C. & S. F. Ry.	Brady No. 3	McCulloch	1,733
Niggerhead	Bertram	Travis	1,300
Niggerhead Mountain	Tow	Burnet	1,278
Nocona, M. K. T. R. R.	Nocona	Montague	984
Nolanville, G. C. & S. F. Ry.	Killeen	Bell	695
Norman Hill	Meridian No. 4	Bosque	1,040
Norton Mountain	Montague No. 3	Montague	1,110
Novice, G. C. & S. F. Ry.	Ballinger No. 1	Coleman	1,982
Oaks Δ (U. S. C. & G. S.)	Santo	Palo Pinto	1,098
Obregon, G. C. & S. F. Ry.	Coleman No. 4	Coleman	1,582
Oklaunion, F. W. & D. C. Ry.	Davidson	Wilbarger	1,225
Olney, W. F. & S. R. R.	Newcastle No. 2	Young	1,182
Orth, W. F. & S. R. R.	Newcastle No. 2	Young	1,232
Ovalo, A. & S. Ry.	Abilene No. 3	Taylor	2,027
Packsaddle Mountain	Marble Falls	Llano	1,410
Parks Mountain	Waldrup	Coleman	1,518
Pendleton, G. C. & S. F. Ry.	Belton	Bell	739

Supplemental elevations—Continued

Location	Quadrangle	County	Elevation (feet)
Pierce Δ (U. S. C. & G. S.)	Breckenridge No. 4	Stephens	1,606
Pilot Knob	Georgetown No. 2	Williamson	1,160
Pilot Knob	Glen Rose	Bosque	1,000
Pilot Knob	Meridian No. 1	Bosque	975
Pilot Knob Δ	Austin No. 4	Travis	700
Pilot Knob (North) Δ	Austin No. 1	Travis	925
Pilot Δ (U. S. C. & G. S.), Pilot Knob	Stephenville No. 1	Erath	1,399
Pinnacle, The	Grosvenor	Brown	1,595
Placid, F. W. & R. G. Ry.	Mercury	McCulloch	1,608
Plover, F. W. & R. G. Ry.	Fort Worth No. 3	Tarrant	712
Point Peak	Llano No. 1	Llano	1,450
Post Δ (U. S. C. & G. S.)	Burnet No. 1	Burnet	1,546
Potato Hill	Mankins	Wilbarger	1,130
Potatoe Hill	Mullin	Comanche	1,730
Potatopot Mountain	Tow	Burnet	1,520
Potters Peak	Lampasas No. 4	Lampasas	1,505
Powelldale Mountain	Blum	Bosque	725
Prairie Mountain	Llano No. 3	Llano	1,950
Primrose, F. W. & R. G. Ry.	Fort Worth No. 3	Tarrant	774
Pueblo, M. K. T. R. R.	Albany No. 4	Callahan	1,455
Putnam, T. & P. Ry.	Baird No. 1	Callahan	1,607
Putnam Mountain	Llano No. 3	Llano	1,855
Pyramid Rock	Llano No. 4	Llano	1,750
Quanah, F. W. & D. C. Ry.	Eldorado	Hardeman	1,569
Queen Δ (U. S. C. & G. S.), Queens Peak	Montague No. 3	Montague	1,189
Rabbit Hill	Round Rock	Williamson	965
Ranger, T. & P. Ry.	Eastland No. 1	Eastland	1,441
Rattlesnake Mountain	Montague No. 3	Montague	1,155
Rattlesnake Δ (U. S. C. & G. S.), Rattlesnake Mountain	Eastland No. 1	Eastland	1,618
Red Point	Zephyr	Mills	1,410
Revision, G. C. & S. F. Ry.	Lampasas No. 4	Lampasas	1,182
Rhome, F. W. & D. C. Ry.	Denton No. 3	Wise	937
Ricker, G. C. & S. F. Ry.	Zephyr	Brown	1,377
Ringgold, C. R. I. & P. Ry.	Terral	Montague	889
Ringgold, M. K. T. R. R.	Terral	Montague	894
Robinson Bluff	Blum	Bosque	700
Robinson Peak	Ballinger No. 1	Coleman	2,100
Rochelle, F. W. & R. G. Ry.	Brady No. 4	McCulloch	1,778
Round Head	Fredericksburg No. 1	Gillespie	1,820
Round Hill	Albany No. 2	Shackelford	1,555
Round Mountain	Abilene No. 2	Taylor	2,350
Round Mountain	Brownwood No. 1	Comanche	1,885
Round Mountain	Gatesville No. 2	Coryell	1,000
Round Mountain	Killeen	Bell	725
Round Mountain	Mason No. 1	San Saba	1,835
Round Mountain	Montague No. 3	Montague	1,150
Round Mountain	Mount Bonnell	Travis	975
Round Mountain	Mullin	Mills	1,535
Round Mountain Δ	Blanco No. 2	Blanco	1,605
Rucker, M. K. T. R. R.	Eastland No. 4	Comanche	1,393
Rutledge, T. & N. O. R. R.	Mount Bonnell	Williamson	929
Saglaw, C. R. I. & P. Ry.	Fort Worth No. 2	Tarrant	728
Salt Mountain	Brownwood No. 2	Brown	1,860
San Angelo Junction, G. C. & S. F. Ry.	Coleman No. 2	Coleman	1,693
San Saba Peak Δ	Goldthwaite	Mill	1,670
Sand Rock	Bend	San Saba	1,310

SUPPLEMENTAL ELEVATIONS IN NORTH-CENTRAL TEXAS 549

Supplemental elevations—Continued

Location	Quadrangle	County	Elevation (feet)
Sandstone, T. & N. O. R. R.	Marble Falls	Burnet	966
Sandy Mountain	Marble Falls	Llano	1,055
Sanger, G. C. & S. F. Ry.	Denton No. 1.	Denton	665
Santa Anna, G. C. & S. F. Ry.	Coleman No. 3	Coleman	1,747
Santo, T. & P. Ry.	Santo	Palo Pinto	823
Sayersville, M. K. T. R. R.	Bastrop No. 3.	Bastrop	408
Scallorn, G. C. & S. F. Ry.	Lampasas No. 2.	Mills	1,518
Scalp Creek, F. W. & R. G. Ry.	Menard No. 1.	Menard	2,029
Schaefer Hill Δ	Bastrop No. 3.	Bastrop	575
School House Mountain	Pickwick	Palo Pinto	1,310
Scoggins Δ	Meridian No. 3.	Hamilton	1,246
Sedwick, M. K. T. R. R.	Albany No. 4.	Shackelford	1,384
Sharp Mountain	Llano No. 4.	Llano	1,620
Shell Mountain	Gatesville No. 2.	Coryell	1,050
Shelving Rock	Stephenville No. 2.	Erath	1,300
Shin Oak Mountain	Llano No. 2.	Sano Saba	1,945
Shingle Δ (U. S. C. & G. S.), Shingle Hills	Spicewood	Travis	1,416
Shovel Δ (U. S. C. & G. S.), Shovel Mountain	Spicewood	Blanco	1,542
Sidney Mountain	Graham	Young	1,210
Skeen Peak	Weatherford No. 2.	Wise	1,350
Slaughter Mountain	Marble Falls	Burnet	1,150
Smithville, M. K. T. R. R.	Bastrop No. 4.	Bastrop	325
Smoothingiron Mountain	Llano No. 2.	Llano	1,860
South Bend, W. F. & S. R. R.	Graham	Young	1,041
Speck Mountain	Coleman No. 3.	Coleman	1,560
Spradling Δ (U. S. C. & G. S.)	Jacksboro No. 1.	Jack	1,233
Springgap Δ (U. S. C. & G. S.)	Baird No. 2.	Callahan	2,179
Star Mountain	Brownwood No. 2.	Brown	1,940
Star Mountain	Lampasas No. 2.	Hamilton	1,640
Steal Easy Mountain	Breckenridge No. 3.	Stephens	1,590
Steamboat Mountain	Kerrville No. 2.	Kimble	2,000
Stoneburg, C. R. I. & P. Ry.	Montague No. 3.	Montague	935
Strawn, T. & P. Ry.	Palo Pinto No. 3.	Palo Pinto	1,003
Sudduth, T. & N. O. R. R.	Bertram	Burnet	1,137
Sugar Loaf Mountain	Meridian No. 1.	Bosque	1,000
Sunset, F. W. & D. C. Ry.	Sunset No. 2.	Montague	992
Table Gap Δ , Table Mountain	Abilene No. 3.	Runnels	2,225
Tadlock Hill	Montague No. 4.	Montague	1,200
Tallow Face Mountain	Stephenville No. 2.	Eastland	1,400
Taylor, M. K. T. R. R.	Taylor No. 3.	Williamson	543
Tecumseh Peak	Abilene No. 4.	Callahan	2,205
Teich, T. & N. O. R. R.	Llano No. 4.	Llano	1,010
Temple, M. K. T. R. R.	Belton	Bell	691
Thorndale, I. G. N. R. R.	Taylor No. 4.	Milam	456
Thrall, I. G. N. R. R.	Taylor No. 3.	Williamson	564
Tod Mountain	Mason No. 4.	Mason	1,695
Travis Peak	Bertram	Travis	1,240
Travis Δ (U. S. C. & G. S.)	Georgetown No. 3.	Travis	1,298
Trigger Mountain	Mullin	Mills	1,700
Troy, M. K. T. R. R.	Belton	Bell	680
Turkey Peak	Santo	Palo Pinto	1,000
Tuscola, G. C. & S. F. Ry.	Abilene No. 3.	Taylor	1,974
Tweedle Mountain	Belton	Bell	725
Twin Mountains	Killeen	Bell	820
Twin Mountains	Meridian No. 2.	Hamilton	1,310
Tye, T. & P. Ry.	Abilene No. 2.	Taylor	1,801
Upton, M. K. T. R. R.	Bastrop No. 3.	Bastrop	342

Supplemental elevations—Continued

Location	Quadrangle	County	Elevation (feet)
Valley View, G. C. & S. F. Ry.....	Denton No. 1.....	Cooke.....	714
Villa, G. C. & S. F. Ry.....	Mullin.....	Mills.....	1,466
Vineyard, C. R. I. & P. Ry.....	Sunset No. 3.....	Jack.....	935
Waco, M. K. T. R. R.....	Elm Mott.....	McLennan.....	415
Walker Peak.....	Llano No. 4.....	Llano.....	155
Walkerton, T. & N. O. R. R.....	Georgetown No. 3.....	Williamson.....	992
Washout Mountain.....	Stephenville No. 2.....	Erath.....	1,500
Watch Mountain.....	Llano No. 3.....	Llano.....	1,605
Waters Park, T. & N. O. R. R.....	Austin No. 1.....	Travis.....	693
West, M. K. T. R. R.....	West.....	McLennan.....	648
Whiteland, G. C. & S. F. Ry.....	Eden No. 4.....	McCulloch.....	1,795
Whitmore Point.....	Ivan.....	Stephens.....	1,210
Wildcat Mountain.....	Bertram.....	Burnet.....	1,380
Wildhorse Mountain.....	Goldthwaite.....	San Saba.....	1,415
Wiles, T. & P. Ry.....	Breckenridge No. 4.....	Stephens.....	1,163
Windsor, G. C. & S. F. Ry.....	Woodbine.....	Cooke.....	835
Wolf Mountain.....	Pickwick.....	Palo Pinto.....	1,360
Wood Spur, T. & N. O. R. R.....	Marble Falls.....	Llano.....	951
Woodbine, M. K. T. R. R.....	Woodbine.....	Cooke.....	766
Woolly Δ (U. S. C. & G. S.).....	Jacksboro No. 3.....	Jack.....	1,475
Wynn Mountain.....	Pickwick.....	Palo Pinto.....	1,220
Yegua Δ , Yegua Knob.....	Bastrop No. 1.....	Lee.....	795
Young Δ (U. S. C. & G. S.).....	Stephenville No. 3.....	Erath.....	1,510
Zena, M. K. T. R. R.....	Woodbine.....	Cooke.....	740
Zephyr, G. C. & S. F. Ry.....	Zephyr.....	Brown.....	1,505

INDEX

A	Page	Page	
Abilene.....	248	Banana Junction.....	340
Abilene No. 1 quadrangle.....	248	Bangs.....	323, 372
Acampo.....	252, 257	Barker Crossing of Lampasas River.....	350, 398
Acme quadrangle.....	249-250	Bartlett.....	506
Acton.....	353	Barwise School.....	319
Adams Creek.....	536, 537	Barwise School 7½-minute quadrangle. (See China Creek quadrangle.)	
Adams Crossing of Brazos River.....	437, 467	Bastrop.....	273-274, 275, 276
Adjustment of leveling net.....	242	Bastrop No. 1 quadrangle.....	271-272
Airfield ranch.....	447, 448, 495	Bastrop No. 2 quadrangle.....	272-273
Albany.....	250, 251, 252	Bastrop No. 3 quadrangle.....	273-275
Albany No. 1 quadrangle.....	250	Bastrop No. 4 quadrangle.....	275-276
Albany No. 2 quadrangle.....	250-251	Beakley Brothers ranch.....	294, 422
Albany No. 3 quadrangle.....	252	Beasley ranch.....	489-490
Albert.....	348	Beaukiss.....	272, 273
Algerita.....	253, 254	Beaver Creek, bridge over.....	492
Algerita quadrangle.....	253-254	Beaver Creek School.....	415, 417
Alum Creek.....	275, 276	Beaver Creek 7½-minute quadrangle. (See Mankins quadrangle.)	
Anarene.....	259, 454-455	Bee Caves.....	265, 447, 495-496, 498
Anderson Mill.....	450	Belcherville.....	442, 509
Annaville.....	300	Bell gin.....	480
Annaville School.....	300	Belnap.....	362, 457-458
Anson No. 1 quadrangle.....	254	Belt Junction.....	342
Anson No. 2 quadrangle.....	255	Belton.....	277, 278, 279, 397
Anson No. 4 quadrangle.....	255-257	Belton quadrangle.....	276-282
Archer, S. R., leveling by.....	?07-308, 309-311, 362-363, 384-386, 388, 437-438, 457, 464-466.	Benbrook.....	342
Archer City.....	257-259, 259-260, 260-261, 320, 331, 332	Benbrook School.....	342
Archer City Lake.....	260	Bench marks, classes of.....	242
Archer City quadrangle.....	257-261	forms of.....	242-245, pl. 1
Arlington.....	343, 368, 369	how set.....	244
Ash Creek.....	500	preservation and restoration of.....	245
Atkinson ranch.....	516	Bend.....	285, 286
Aurora.....	299-300, 329	Bend quadrangle.....	282-286
Austin.....	261, 262, 263, 264, 265, 267, 446	Benjamin.....	288, 377
Austin & Northwestern R. R.....	261, 289, 315, 350	Benjamin No. 1 quadrangle.....	287
Austin No. 1 quadrangle.....	261-262	Benjamin No. 2 quadrangle.....	287-288
Austin No. 3 quadrangle.....	262-265	Benjamin No. 3 quadrangle.....	288
Austin No. 4 quadrangle.....	266-267	Benoit.....	269, 270
Avoca.....	254, 255	Bertram.....	289, 290
Azle.....	500-501	Bertram quadrangle.....	289-293
B		Bethel.....	461
Babyhead.....	406	Bethel School.....	460, 461
Bachelor Peak.....	316	Bethlehem School.....	401
Bacon.....	380	Big Pass.....	468
Baird No. 4 quadrangle.....	268-269	Big Valley Church.....	358, 359
Baker ranch.....	515-516	Big Valley School.....	356-357, 358
Balch Consolidated School.....	327	Big Valley store.....	358, 359
Balcom ranch.....	409	Black Flat School.....	330-331, 332
Ballinger.....	270, 459-460	Blackjack Crossing of Brazos River.....	488
Ballinger No. 1 quadrangle.....	269-270	Blackwells Crossing of Jim Ned Creek.....	373
Ballinger No. 2 quadrangle.....	270	Blair Chapel.....	414
		Blake.....	268, 269, 311, 374

	Page		Page
Blanco.....	294, 348	Brownwood No. 2 quadrangle.....	311-312
Blanco No. 2 quadrangle.....	293, 294	Brushy Creek.....	507
Blanco No. 3 quadrangle.....	294	bridge over.....	477
Bland.....	401	Bryant Station Bridge.....	314, 504-505
Blanket Creek.....	453	Buckholts quadrangle.....	312-215
Blanket Springs.....	453, 454, 540-541	Buda.....	262
Blowout.....	344	Buffalo School.....	370
Blue.....	271, 272	Bulcher.....	405-406, 458
Blue Mound.....	442, 443	Bunger.....	363
Blue Mound School.....	442-443	Burchard, R. W., leveling by.....	249-250, 337-338, 471, 521-523
Bluff Creek bridge.....	257	Burdett ranch.....	359
Bluff Spring.....	278	Burgess.....	505
Bluff Springs.....	263-264	Burk.....	380, 415
Bluffton.....	514, 516, 517, 518	Burkburnett.....	318, 365-366
Blum.....	295, 296, 299	Burkburnett 7½-minute quadrangle. (See Grandfield quadrangle.)	
Blum quadrangle.....	294-299	Burlington-Rock Island R. R.....	320
Boaz.....	401	Burnet.....	289, 315, 316, 317, 419, 514, 516
Bomar.....	472	Burnet No. 1 quadrangle.....	315-318
Bonita.....	442, 458	Burns.....	636
Boogertown.....	492	Burton Knob.....	499-500
Booker ranch.....	450	Byers.....	531
Bosqueville.....	340, 341	Byrds.....	312, 373-374, 374-375
Bowie.....	440, 441		
Bowser.....	474, 475	O	
Boyd.....	300-301	Caddo.....	308-310, 387
Boyd quadrangle.....	299-301	Caldwell.....	266, 274
Boyt ranch.....	282, 285, 407, 514	Callan.....	335-336, 425
Brad.....	308, 383, 386-387, 388-389, 463, 470	Callisburg.....	424, 535-536
Brady.....	302-303	Cameron.....	312
Brady Bend Crossing of Colorado River.....	502-503	Carl.....	264, 266-267
Brady Creek.....	205	Castell.....	409
Brady No. 3 quadrangle.....	301-303	Catsclaw School.....	357, 476
Brady No. 4 quadrangle.....	303-307	Cedar Creek.....	389
Brazos.....	487-488	Cedar Creek (village).....	274
Brazos Point.....	444-445	Cedar Creek Baptist Church.....	280
Brazos River.....	297, 339, 363, 488, 510, 513, 533	Cedar Creek Methodist Church.....	280
Adams Crossing of.....	437, 467	Cedar Park.....	350, 351, 450
Blackjack Crossing of.....	488	Cedar Valley.....	263
bridge over.....	469	Center Mill.....	327-328
Cordova Bend of.....	353, 354	Center Point Chapel.....	271-272
Double Mountain Fork of.....	376, 483, 485	Chadwick.....	284, 285, 360
Horse Shoe Bend Ford across.....	326-227	Chappel.....	286
Ioni Crossing of.....	468	Charlie.....	471
Johnsons Landing on.....	340	Cherokee.....	282, 400-407, 408
Long Bend of.....	389	Cherokee Creek.....	289, 407
Salem Bend of.....	389	Chestnut ranch.....	516
Salt Fork of.....	376	Chicago, Rock Island & Gulf Ry.....	299, 300, 341, 342, 368, 369, 440, 441, 508, 509
South Fork of.....	486	Chillicothe.....	336-337, 341, 471
Wild Bend Crossing of.....	389, 468, 469-470	China Creek quadrangle.....	318-319
Breckenridge No. 2 quadrangle.....	307-308	China Creek School.....	472
Breckenridge No. 4 quadrangle.....	308-311	Christian.....	390, 439
Briar.....	499, 501	Cisco.....	332-333
Bright, M. S., leveling by.....	328, 344, 345-346, 347-349, 406, 424, 441-442, 442-443, 452, 458-459, 535-536.	Clara.....	318, 366
Broadus, W. R., leveling by.....	322, 324-325, 375-376, 431-433, 434-435, 484-485, 527-530, 541.	Clara 7¼-minute quadrangle. (See Grand- field quadrangle.)	
Brookhaven.....	399, 400, 401	Classification of leveling.....	241
Brooks, E. O., leveling by.....	308-309, 383, 435, 436-437, 462-463, 467-468, 486	Clear Creek.....	324
Brooks ranch.....	302, 305	Clear Fork of Trinity River.....	342
Brown School.....	534	Cleburne No. 2 quadrangle.....	319
Brownwood.....	312, 323-324, 372, 536-537, 538, 539-540	Cleburne No. 4 quadrangle.....	320

	Page		Page
Clements ranch.....	316-317, 514-515	Dalworth.....	343
Cleo.....	427-428, 429	Dan (formerly Dean).....	379
Click.....	411, 412	Darden Springs.....	271
Click Gap.....	411	Darnoc.....	283, 285
Clintie, R. G., leveling by.....	291-292, 294, 317-318, 404, 420-423, 518	Datum of elevations.....	245
Clover (formerly Corwin).....	292, 496-497, 498	Davidson quadrangle.....	325-326
Cobb School.....	381	Davis ranch.....	450-451
Coe, R. W., leveling by.....	535	Dean (Dan).....	379
Cogdess ranch.....	226	Deep Creek School.....	381, 416
Cold Spring.....	401	Delvalle.....	267
Coleman Junction.....	320-321	Dennis quadrangle.....	326-328
Coleman No. 2 quadrangle.....	320-322	Denton No. 1 quadrangle.....	328
Coleman No. 3 quadrangle.....	322	Denton No. 2 quadrangle.....	328
Coleman No. 4 quadrangle.....	323-325	Denton No. 3 quadrangle.....	328-329
College Hill.....	343	Denton No. 4 quadrangle.....	329
Colorado River.....	262, 267, 292, 420, 421, 432, 472, 473, 498, 501, 502, 517, 528, 529.	Derden.....	295
Brady Bend Crossing of.....	502-503	Dickey, Crawford, leveling by.....	250, 251, 299-301, 326-328, 329, 346, 394-395, 489, 501, 510-511, 511-513.
bridge over.....	273	Dickworsham.....	380
Cox Crossing of.....	498	Diller School.....	250
Gin Ford across.....	526	Dixie Store.....	469
Haydon Crossing (Watson Crossing) of.....	449, 451	Dodge, F. B., leveling by.....	323, 372
Hudson Crossing of.....	449-450	Dodge School.....	303
Keys Crossing of.....	424	Doole.....	502
Lohmann Crossing of.....	447	Doole School.....	502, 503, 504
Mason Crossing of.....	419	Doran ranch.....	253
Mauldin Crossing of.....	357	Double Creek, Gridiron Branch of.....	291
Red Bluff Crossing of.....	284	Double Mountain Fork of Brazos River.....	376, 483, 485
Rocky Ford across.....	358-359	Doublehorn Creek, Gridiron branch of.....	291
Shaw Bend Crossing of.....	359	Doublehorn School.....	292
Stewart Crossing of.....	448	Downs.....	508
Watson Crossing (Haydon Crossing) of.....	449, 451	Duff Prairie School.....	388
Whittet Crossing of.....	474	Dulin.....	324-325, 431
Wolf Crossing of.....	423	Dundee quadrangle.....	329-332
Comanche Gap.....	298	Duval.....	261, 446
Comanche Peak.....	511-512	Dye.....	443
Comfort.....	347	Dye Mounds.....	443
Company ranch.....	293		
Concho.....	334, 461-462, 526	E	
Concho River.....	460, 462, 526	Eagle Springs.....	414
Winkler Ford across.....	462, 526	East Sweden School.....	301-302, 204
Cooperation with Texas Reclamation Service.....	246- 248	Eastland No. 2 quadrangle.....	332-333
with Texas Mineral Survey.....	246-248	Eastland No. 3 quadrangle.....	333-334
Coppel.....	366	Ebony.....	473, 475, 541
Cordova Bend of Brazos River.....	253, 354	Eden No. 2 quadrangle.....	334
Cordova Bend School.....	354	Eden No. 4 quadrangle.....	334-336
Corwin (Clover).....	292, 496-497, 498	Edgins ranch.....	359
County Line School.....	400-401	Edwards.....	379
Coupland.....	273	Eichelberger Crossing of North Bosque River.....	519-520
Covington.....	295	Eldorado quadrangle.....	336-338
Cow Creek Tabernacle.....	530	Electra.....	318, 319, 325, 415, 416, 491
Cox Crossing of Colorado River.....	498	Electra 7½-minute quadrangle. (see China Creek quadrangle.)	
Cox Spring School.....	447-448	Elevations, datum of.....	245
Creedmoor.....	262, 266	figures, accuracy of.....	243
Crosscut.....	268	Elgin.....	272, 273
Crowell.....	287, 288, 470	Eliasville.....	307-308, 362, 386, 457, 458
Crownover ranch.....	422	Eliga.....	349, 401
Cushionberry ranch.....	420	Elkins.....	472, 538, 539, 540
Cypress Mill.....	293, 495	Elm Creek.....	527
		Elm Mott quadrangle.....	338-341
D		Elmdale.....	248
Dads Corner.....	259, 260, 331, 382, 417	Elmer quadrangle.....	341
Dalton.....	464, 469	Elysiun.....	266

	Page
Enchanted Rock.....	345, 410
Enterprise School.....	318-319
Era.....	328, 452
Erath.....	340, 520
Estelle.....	268
Eulogy.....	445
Everett School.....	380
F	
Fairland.....	418, 419, 420
Fairview Cemetery.....	326
Fairview School.....	357, 476
Falls Creek.....	353, 354
Fedor.....	271
Field Creek.....	408
Fife.....	528, 529-530
Finis.....	390
Fischer Store.....	294
Fisher, C. R., leveling by.....	319, 342, 280-381, 415
Fisher, W. A., leveling by.....	294, 429
Flatrock School.....	360-361
Flatwoods School.....	300
Florence School.....	272
Foard City.....	287-288
Forestrub School.....	249, 521, 522
Fort Graham.....	298-299
Fort Griffin.....	249-250, 251, 510, 511
Fort Worth.....	341, 242-343, 368
Fort Worth & Denver City Ry.....	319, 325, 336, 337, 341, 378, 379, 380, 415, 440, 441, 520
Fort Worth & Rio Grande Ry.....	335, 342, 352, 432, 513
Fort Worth No. 2 quadrangle.....	341
Fort Worth No. 3 quadrangle.....	342-343
Fort Worth No. 4 quadrangle.....	343
Fortune Bend School.....	467
Foss ranch.....	423
Fowikes.....	415
Fowikes 7½-minute quadrangle. (See Man- kins quadrangle.)	
Fox Hollow School.....	389
Frame.....	476, 506
Franklin ranch.....	412, 424
Fredericksburg.....	344, 345-347, 348, 394-395
Fredericksburg No. 1 quadrangle.....	344
Fredericksburg No. 2 quadrangle.....	345-346
Fredericksburg No. 3 quadrangle.....	347-348
Fredericksburg No. 4 quadrangle.....	348-349
Freeland and Brazos Valley School.....	319, 352, 444
Freemound.....	452
Frog Hollow School.....	445
Fruitland.....	441, 443
Fulmer, C. E., leveling by.....	270, 459
G	
Gainesville.....	424, 535, 536
Gainesville School.....	411-412
Gatesville No. 1 quadrangle.....	349
Gatesville No. 3 quadrangle.....	349
Georges Creek.....	352, 354
Georgetown.....	351, 352, 478-479, 480-483
Georgetown No. 1 quadrangle.....	350
Georgetown No. 3 quadrangle.....	300-302
Giddings.....	276
Gin Ford across Colorado River.....	526
Glade.....	367
Glady's.....	442

	Page
Glafcke, E. W., leveling by.....	405-406, 440-441, 442, 451, 458, 508-509, 535
Glenrose.....	355, 446
Glimps ranch.....	515
Godley quadrangle.....	352-355
Goldthwaite.....	356, 359, 360
Goldthwaite quadrangle.....	355-360
Graford.....	437, 438, 439-440, 464
Graham.....	361-362, 364, 365
Graham quadrangle.....	360-265
Granbury.....	326, 352-353, 511, 512, 513, 531
Grand Prairie.....	343
Grand Trunk & Western R. R.....	456, 494
Grandfield quadrangle.....	365-366
Granger.....	479, 506-507
Granite Mountain Station.....	420-421
Grapevine.....	329, 366, 367
Grapevine quadrangle.....	366-369
Graphite.....	406, 412
Green, T. A., leveling by.....	261, 268, 269-270, 270, 320-321, 322, 322-334, 351-352, 270-371, 459-460, 476-479, 482, 506-507.
Gridiron Branch of Doublehorn Creek.....	291
Grobe ranch.....	344, 345
Grosvenor.....	268, 322, 371, 373
Grosvenor quadrangle.....	370-375
Gulf, Colorado & Santa Fe Ry.....	253, 254, 269, 270, 277, 282, 283, 284, 285, 296, 320, 322, 360, 397, 401, 402, 405, 446, 454, 459, 460, 475, 535, 537.
Gurley.....	508
H	
Hale Church.....	289, 290-291
Hall.....	433
Hall ranch.....	290
Hamby.....	248, 255-257
Hamilton triangulation station.....	417
Handley.....	343
Hardin School.....	502, 503, 523
Hardy.....	442, 452
Harkeyville.....	253
Harmony Ridge School.....	284, 358
Harmony School.....	353, 354
Harper.....	395-397, 489
Harris, E. E., leveling by.....	254, 262, 265, 277-282, 283, 284, 285, 292-293, 297-299, 301-307, 316-317, 320, 324, 334-336, 346, 355-356, 357-358, 360, 391-394, 394-397, 402-404, 404-405, 411-415, 419-420, 423-424, 425-429, 430, 433-434, 445-446, 446-461, 454, 472-476, 485-486, 489-491, 495-499, 503-504, 505-506, 514-518, 532-534, 541.
Harrold.....	325, 491
Hasima ranch.....	393-394
Haskell.....	377, 489
Haskell No. 2 quadrangle.....	375-377
Haskell No. 4 quadrangle.....	377
Hausler City.....	455
Haw Creek.....	313-314, 315
Haydon Crossing (Watson Crossing) of Colo- rado River.....	449, 451
Haynes ranch.....	409-410

	Page
Hazelwood, I. F., leveling by.....	262,
263-265, 266-267, 363-364, 389, 439-440,	
468-470.	378, 379, 380
Henrietta.....	377
Henrietta & Southwestern Ry.....	377-378
Henrietta No. 1 quadrangle.....	379
Henrietta No. 2 quadrangle.....	380
Henrietta No. 4 quadrangle.....	360, 390-391, 468-469
Henry Chapel School.....	300
Herman.....	279
Herringsville.....	389
Herron.....	283, 285
Hershey.....	329, 367
Hilliard School.....	273
Hills Prairie.....	320, 532
Hillsboro.....	261, 262-263,
Hinman, J. A., leveling by.....	266, 271, 272, 273-274, 275-276
Hobart ranch.....	348
Hog Creek.....	519
Holbrook Bridge over Leon River.....	414
Holder, C. C., leveling by....	248, 250, 252, 255-257
Holliday.....	331, 382-383
Holliday quadrangle.....	380-383
Hollingsworth ranch.....	499
Holt School.....	434-435, 475
Holtzclaw Bridge over San Gabriel River.....	507
Honeycutt triangulation station.....	535
Hood.....	452
Horse Shoe Bend Ford across Brazos River.....	326-327
Houston & Texas Central R. R.	271, 272, 273, 275,
318, 338, 351, 404, 406, 407, 410, 418	
Hudson Crossing of Colorado River.....	449-450
Hughes ranch.....	387
Hurst.....	341, 368, 369
Huston ranch.....	353
Hutto.....	476
I	
Indian Creek.....	324, 325, 434, 476, 541
Indian Creek School (Woodland Heights School).....	540
International-Great Northern R. R.	261, 262,
263, 446, 476, 477, 478, 480, 506, 507	
Ioni Crossing of Brazos River.....	468
Iowa Park.....	380-381
Iowa Park 7½-minute quadrangle. (See Holliday quadrangle.)	
Irving.....	369
Ivan.....	307, 385-386
Ivan quadrangle.....	383-389
J	
Jacksboro No. 3 quadrangle.....	390-391
Jackson Bridge over Pecan Bayou.....	452
Jim Ned Creek.....	370, 375
Jim Ned Creek, Blackwells Crossing of.....	373
Johnson ranch (Pickwick quadrangle)....	464-465, 467
Johnson ranch (Spicewood quadrangle)....	498-499
Johnsons Landing on Brazos River.....	340
Jolly.....	379
Jonah.....	479-480, 507
Jones, H. P., leveling by.....	261,
334, 352, 461-462, 477, 480-482, 482- 483, 507, 526.	

	Page
Joppa.....	316
Jordan Springs School.....	539
Judd.....	375, 376
Junction.....	392-393, 394, 427, 429, 430, 489, 490
Junction quadrangle.....	391-394
K	
Kansas City, Mexico & Orient Ry.....	287,
288, 337, 376, 377, 470, 484, 485, 486	
Keelersville.....	479, 482
Keese ranch.....	345, 410
Keeter.....	301, 501
Kerrville No. 1 quadrangle.....	394-395
Kerrville No. 2 quadrangle.....	395-397
Keyes Valley School.....	398
Keys Crossing of Colorado River.....	434
Kilby, H. P., leveling by.....	284-285,
352-355, 256-360, 388, 404, 446, 453- 454, 476, 511, 513, 531.	
Killeen.....	349, 401-402
Killeen quadrangle.....	397-402
Kimball.....	295-296, 297, 298, 443, 445
Kings Spur.....	300
Kingsland.....	411, 412, 418, 419-420, 421, 422, 423, 424
Klondike.....	297
Knox City.....	376-377
Kopperl.....	298, 445-446
Kyle.....	262
L	
L. C. ranch.....	428, 430
Lake Kemp dam.....	492
Lake Pauline.....	337
Lampasas.....	404-405
Lampasas northeast base triangulation sta- tion.....	405
Lampasas No. 2 quadrangle.....	402
Lampasas No. 3 quadrangle.....	402-404
Lampasas No. 4 quadrangle.....	404-405
Lampasas River.....	278
Barker Crossing of.....	350, 398
bridge over.....	398, 506
Lampasas southwest base triangulation sta- tion.....	404
Lazare.....	249, 522-523
Leachman, J. B., leveling by.....	366, 379, 531
Leaday.....	524-525, 525-526, 527
Leander.....	350
Lee May ranch.....	441
Leon quadrangle.....	405-406
Leon River, Holbrook Bridge over.....	414
Winklers Ford across.....	281, 413
Leona School.....	441
Leveling, adjustment of net of.....	242
classification of.....	242
in Texas, earlier publications on.....	241
Lexington.....	271, 272
Liberty Hill.....	350
Lightner School.....	335
Lindsay.....	535
Lindsey triangulation station.....	366
Littig.....	273
Little Brady Creek.....	304
Little River station.....	505

	Page		Page
Llano	406, 407, 408, 409, 410, 411	Mesquite Church	473
Llano No. 1 quadrangle	406-407	Middleburg School	249, 521
Llano No. 2 quadrangle	408-409	Midway	457
Llano No. 3 quadrangle	409-410	Milburn	431, 432
Llano No. 4 quadrangle	410-412	Millsap	435, 486
Llano River	412, 420, 422	Mineral Wells	435-437, 438, 487
Location of the area	245	Mineral Wells quadrangle	435-440
Locker	473-474	Ming Bend School	389
Lohmann Crossing of Colorado River	447	Missouri-Kansas-Texas R. R.	252,
Lometa	284, 360, 402, 403-404	254, 257, 272, 273, 274, 275, 276, 277,	
Lone Camp	463, 488	297, 298, 333, 338, 339, 365, 366, 377,	
Lone Grove	407	378, 379, 380, 442, 451, 458, 459, 477,	
Lone Oil Derrick triangulation station	318	478, 479, 480, 482, 504, 505, 506, 508,	
Lonesome Dove Church	367	509, 532, 533, 535, 536.	
Long Bend of Brazos River	389	Mitchell School	397
Long Mountain School	419	Moffat	281-282, 400
Long Valley Ford	306	Monbeck, R. R., leveling by	319, 381, 416-417
Lost Creek (Prairie Cottage) School	366	Montague	440, 442, 443
Luckenbach	347, 348	Montague No. 3 quadrangle	440-442
Lueders	252, 254, 257	Montague No. 4 quadrangle	442-443
		Montgomery ranch	396
		Montopolis	267
M		Moore ranch	521-522, 523
Mabelle	492-493, 494	Moore's Crossing of Pease River	522
McCullum	458	Morgan quadrangle	443-446
McDade	271, 272, 273, 275	Mormon Mill	289
McFarland Ford across Spring Creek	516	Moss Creek School	318
McGregor quadrangle	413-415	Moss ranch	411, 412
Mack School	492	Mount Bonnell quadrangle	446-451
Macknally Creek	538	Mount Pleasant Church	512
McLennan Crossing of South Bosque River	339	Mount Prospect School	481
McNair, E. L., leveling by	276, 312-314, 504-505, 508	Mount Vernon School	277, 278, 505
McNeil	261	Mud	497-498
McWilliams ranch	461	Muenster	451
Mallard	443	Muenster quadrangle	451-452
Mambrino	353-354, 355, 513	Mullin	355-356, 452-453, 454
Manchaca	262, 263	Mullin quadrangle	452-454
Manda	273	Muriel	367-368
Mankins	331, 383, 417	Myra	451
Mankins quadrangle	415-417		
Marble Falls	289, 290, 291, 292, 418-419, 420, 421, 423	N	
Marble Falls quadrangle	418-424	Naruna	315, 513-514
Margaret	470-471	Nash's Ferry across Colorado River	275
Marietta quadrangle	424	Neil ranch	304-305
Marion School	528	Nela	533
Martin, E. R., leveling by	252,	Nemo	352, 354-355
254-255, 257, 287-288, 376-377, 470-471, 483		New Bee Caves	446-447
Martin School	306-307	Newark	328, 341, 499
Marysville	405, 406, 451, 535	Newcastle	364-365, 455
Mason Crossing of Colorado River	419	Newcastle No. 1 quadrangle	454-455
Mauldin Crossing of Colorado River	357	Newcastle No. 2 quadrangle	455-457
May	311, 374	Newcastle No. 3 quadrangle	457-458
Maynard ranch	451	Nocona	442, 458, 459, 509
Meade, A. P., leveling by	270,	Nocona quadrangle	458-459
314-315, 501-503, 507, 523-525, 527		Nolands River	295
Mean sea level, definition of	245	Nolanville	397-398, 399, 402
Medicine Mound	471	North Bosque River, Eichelberger Crossing	
Megargel	329-330, 331, 456, 457	of	519-520
Melvin	335, 336, 503-504	Walkers Crossing of	340
Menard	425-426, 428-429		
Menard No. 1 quadrangle	425	O	
Menard No. 2 quadrangle	425-426	Oak Grove School	372
Menard No. 3 quadrangle	427-429	Oak Hill	263, 264-265, 446
Menard No. 4 quadrangle	430	Oak Hill School	295
Mercury	431, 432, 435	Oakland School	474-475, 476, 541
Mercury quadrangle	431-435		

	Page
O'Brien.....	376
Ocee.....	519
Ogles.....	402-403, 405
Oil City.....	363, 389
O K School.....	516-517
Oklaunion.....	325
Old Glory.....	485
Olney.....	455, 456, 457
Oran.....	438-439, 440
Orth.....	455-456
Osceola.....	320
Oxford.....	344, 409, 410, 411

P

Paige.....	271, 275, 276
Paint Rock.....	334, 460
Paint Rock quadrangle.....	459-462
Palo Pinto.....	436, 437, 462-463, 466-467, 487
Palo Pinto No. 3 quadrangle.....	462-463
Pangle Crossing of Colorado River.....	289, 292
Panhandle & Santa Fe Ry.....	287, 288, 337, 376, 377, 470, 484
Park Store.....	487
Parker, S. L., leveling by.....	453-454
Pearson.....	458-459
Pease River.....	522
Moore's Crossing of.....	522
7-L Crossing of.....	521
Pecan Bayou.....	356, 371, 374
Jackson Bridge over.....	452
Pecan Grove School.....	283, 284
Peden.....	501
Pedernales River.....	496, 497
Peeble Mound School.....	317, 515
Pendleton.....	280
Peoria.....	532
Pepper ranch.....	293
Personnel.....	248
Petrolia.....	378, 379, 471, 509, 531
Phoenix School.....	399
Pickwick.....	384, 465-466, 468
Pickwick quadrangle.....	464-470
Placid.....	432-433, 530
Plain View School.....	296-297, 319
Pleasant Ridge School (Williams School).....	540
Plover.....	342
Pony.....	461, 462
Postoak Crossing of Colorado River.....	291-292
Potato Hill.....	417
Primrose.....	342
Putnam ranch.....	410

Q

Quadrangles in north-central Texas, index map showing.....	245
maps of, how to obtain.....	246
Quanah.....	249, 337-338, 471, 521
Quanah No. 4 quadrangle.....	470-471

R

Rainbow.....	355
Ramsey ranch.....	514
Randalls Mill bridge over Trinity River.....	368
Randlett quadrangle.....	471

	Page
Ratler.....	356, 472, 476
Red Bluff Crossing of Colorado River.....	284
Red River.....	366
bridge over.....	535
Redrock.....	274
Redwire School.....	503, 527
Reed.....	328, 452, 536
Reeves, Roscoe, leveling by.....	365, 377-379, 380, 471, 509, 531
Regency.....	473, 475, 538, 541
Reick, C. E., leveling by.....	294, 319, 325- 326, 328, 329, 336-337, 339-341, 366-368, 459, 460-461, 499-501, 518-521, 525-526, 526-527.

Rendham.....	494-495, 509
Rhame.....	299, 328, 329
Rices Crossing.....	273
Richards ranch.....	304
Richland Springs.....	254, 433, 475-476
Richland Springs quadrangle.....	472-476
Ricker.....	537-538, 540
Ridge.....	472, 538
Riley Mountain.....	411
Ringgold.....	377, 378, 441, 509
Rio Vista.....	296
Rising Star.....	268, 333-334
Rising Sun Methodist Episcopal Church.....	508
River Land School.....	378
Rochelle.....	301, 303-304, 423-434
Rochester.....	376
Rock Crossing of Rocky Creek.....	491-492
Rock Spring School.....	356
Rockdale.....	507
Rockvale Church.....	291, 292
Rockwood.....	322, 527-528, 528-529
Rocky Creek, Rock Crossing of.....	491-492
Rocky Creek Church.....	372
Rocky Ford across Colorado River.....	358-359
Rocky Point School.....	416, 417, 531
Rogers.....	314
Romney.....	332, 334
Roosevelt.....	429
Rosson Siding.....	377, 378
Rosston.....	328, 452
Rough Creek.....	286
Round Grove School.....	329
Round Mountain.....	293
Round Prairie.....	399
Round Rock.....	261, 351, 476-477, 480
Round Rock quadrangle.....	476-483
Rowena.....	459
Rule.....	375-376, 483, 484-485
Rule quadrangle.....	483-486
Rye Valley School.....	359

S

Sabathany.....	500
Sage.....	315, 316
Sagerton.....	485, 486
St. Jo.....	442, 451
St. Louis Southwestern Ry.....	339
Salem Bend of Brazos River.....	389
Salona.....	441, 443
Salt Fork of Brazos River.....	376
San Antonio & Aransas Pass R. R.....	271, 276, 338, 339

Page	Page		
San Gabriel River, Holtzclaw Bridge over.....	507	Stamford.....	255, 483
San Saba... 253, 282-283, 284-286, 355, 358, 359, 472, 476		Stanfield ranch.....	378, 509
San Saba Peak.....	360	Stapps ranch.....	396
San Saba River.....	253, 306, 425	Steiner.....	297-298, 445, 533, 534
Sandy Creek.....	412, 422, 424	Stewart Crossing of Colorado River.....	448
Sandy Mountain.....	421	Stockton Church.....	415
Sandy Mountain School.....	423	Stone ranch.....	416
Santa Anna.....	321-322, 370	Stone Siding.....	397
Sante Fe System.....	335	Stoneburg.....	440-441, 442, 509
Santo.....	487, 488	Stony Point School.....	480
Santo quadrangle.....	486-488	Strawn.....	310
Sayersville.....	272, 274, 275	Sullivan triangulation station.....	366
Scope of report.....	241	Sullemier ranch.....	344
Scuch ranch.....	346	Sunnylane.....	316, 317, 404
Sea level, mean, definition of.....	245	Sunshine School.....	318
Seattle.....	349, 400	Sunshine triangulation station.....	318
Segovia.....	489	Swastika.....	456
Segovia No. 1 quadrangle.....	489-490	Sycamore Creek.....	291
Segovia No. 3 quadrangle.....	490-491		
Sellman ranch.....	303, 305, 433	T	
Semper, C. H., leveling by.....	338, 508	Tage.....	440, 442
Set ranch.....	386, 389	Talpa.....	269
7-L Crossing of Pease River.....	521	Tarrant.....	369
7-L ranch.....	523	Taylor.....	506, 507
Seymour No. 1 quadrangle.....	491-493	Taylor No. 2 quadrangle.....	504-506
Seymour No. 2 quadrangle.....	493	Taylor No. 3 quadrangle.....	506-507
Seymour No. 4 quadrangle.....	494-495	Taylor No. 4 quadrangle.....	507
Shalibo, F. L., leveling by.....	349-350, 397-402, 506	Teck School.....	448-449
Shanklin School.....	278, 279	Telegraph.....	391-392, 393, 490-491
Shaw Bend Crossing of Colorado River.....	359	Temple.....	276, 277, 279, 280
Shell Baker ranch.....	450	Temple No. 1 quadrangle.....	508
Shumate, J. A., leveling by.....	260-261, 331-332, 417	Tennessee Valley Church.....	279
Shumate, W. A., leveling by.....	294-297, 319-320, 352, 388-389, 443-445, 463, 470, 487-488	Tentop Church.....	327
Shupe, Walter, leveling by.....	285-286	Terral.....	508-509
Simpson Creek.....	283	Terral quadrangle.....	508-509
Simpson Creek School.....	283	Texas & Pacific Ry.....	248, 309, 342, 343, 435, 486, 487
Sims Valley.....	460-461	Texas & New Orleans R. R.....	261, 271, 272, 275, 276, 289, 315, 317, 338, 350, 351, 404, 406, 410, 418.
Sisterdale.....	348-349	Texas Hill triangulation station.....	266
Sivells Bend.....	406, 424	Texas Reclamation Department, cooperation with.....	246-248
Smith, T. G., leveling by.....	536-537	leveling by.....	338-339
Smith ranch (Blanco No. 2 quadrangle).....	294, 344, 418	Thompson, W. C., leveling by.....	342
Smith ranch (Mullin quadrangle).....	453	Thornberry.....	365, 471
Smith ranch (Richland Springs quadrangle).....	473	Thorp Spring.....	326, 512-513
Smith Bros. ranch.....	359	Three Forks Church.....	278, 505
Smithville.....	275, 276	Three Mounds.....	406
Smithwick.....	289-290, 291, 292, 293	Thrifty.....	370, 371, 372
Sorghum Flats.....	384-385, 387, 388	Throckmorton No. 1 quadrangle.....	509-510
Sorrells ranch.....	307	Throckmorton No. 3 quadrangle.....	510-511
South Bend.....	308, 362, 363-364, 388, 457	Tolar.....	512
South Bosque River. McLennan Crossing of.....	339	Tolar quadrangle.....	511-513
South Fork of Brazos River.....	485	Tolbert.....	341, 520-521
Southern Pacific R. R.....	412, 419, 420, 421, 423	Tompkins convict farm.....	312-313
Southern Pacific & Dallas Electric R. R.....	340	Totches ranch.....	396
Sparta.....	399	Tow.....	514, 517, 518
Speegleville.....	339-340, 518	Tow quadrangle.....	513-518
Spicewood.....	291, 496	Tow ranch.....	407
Spicewood quadrangle.....	495-499	Towash.....	533
Spring Creek, McFarland Ford across.....	516	Tracy.....	315, 507
Springtown quadrangle.....	499-501	Travis Peak.....	289, 290, 292, 293, 448, 497, 499
Tracy.....	501-502, 503, 525	Trinity & Brazos Valley R. R.....	294, 320
Stacy quadrangle.....	501-504	Trinity River, Randalls Mill bridge over.....	368
Stampede.....	413, 415		
Stampede Church.....	413-414		

	Page		Page
True	364, 455	West quadrangle	532
Truscott	287, 288	West Wichita Falls 7½-minute quadrangle.	
Tumlinson	217-218, 404	(See Holliday quadrangle.)	
Turner ranch	497	Westover	457, 509-510
Tuttle, Basil, leveling by .. 254, 283, 355, 360-362,		Whaley, F. L., leveling by	253, 282-283, 407
390-391, 438-439, 440, 457-458, 468, 472		White ranch	530
Twin Sisters	294	Whiteland	303, 334-335, 336
U			
Union Grove School	350, 398	Whitestone Siding	350
University of Texas Mineral Survey, coopera-		Whitnen Gap	344, 348
tion with	246-248	Whitney	532-533
Upton	273	Whittet Crossing of Colorado River	474
V			
Valera	269-270, 320, 523-524	Whon	431, 529, 530
Valley Church	414	Wichita Falls	379, 380, 381, 382, 383
Valley Mills quadrangle	518-520	Wichita Falls & Southern R. R. .. 258, 259, 382, 454, 456	
Valley Spring	407, 408-409.	Wichita Lake	257, 382
Valley View	328, 536	Wichita River, South Fork of, bridge over	288
Vernon	325-326, 492, 493, 520	Wichita Valley Ry. 255, 377, 379, 383, 483, 485, 531	
Vernon quadrangle	520-521	Wild Bend Crossing of Brazos River	389,
Villa	453-454	468, 469-470	
Village Bend School	463, 488	Wild Onion School	499, 501
Vivian quadrangle	521-523	Wiles	310-311
Voca	306	Williams, A. B., leveling by	
Voss	524, 525	372, 452-453, 472, 536-537, 537-538	
Voss quadrangle	523-527	Williams, G. F., leveling by	269, 311-312,
W			
Waco	338-339, 340	321-322, 323-324, 373-375, 453, 537, 539-	
Waggoner ranch	492	541.	
Wagner ranch	415	Williams ranch	452, 489
Walburg	481, 482	Williams School (Pleasant Ridge School)	540
Waldrip	528	Williamson Creek	263
Waldrip quadrangle	527-530	Wiltonville School	400
Walker, C. E., leveling by .. 257-260, 329-331, 341,		Willow City	344
342-243, 304-305, 368-369, 382-383,		Willow Grove Church	280-281, 413
386-387, 417, 435-436, 454-457, 466-467,		Winchell	324, 431
486-487, 488, 491-495, 509-510.		Winchester	276
Walker School	327	Windsor	518-519
Walkers Crossing of North Bosque River	340	Winkler Ford across Concho River	462, 526
Wall ranch	441	Winklers Ford across Leon River	281, 413
Walling Bend School	533-534	Winsor, Thomas, leveling by	
Walnut Creek	422, 501	271, 271-272, 272-273, 274-275, 282,	
Walton	277-378	289-290, 293-294, 315-316, 344, 345, 347,	
Waring	347	350, 406-407, 408-411, 418-419, 446, 495,	
Watch Mountain	410	513-514.	
Watson, D. H., leveling by	318-319, 365-366	Wolf Crossing of Colorado River	423
Watson Crossing (Haydon Crossing) of Colo-		Wolf Ridge School	451, 535
rado River	449, 451	Woodbine	536
Waurika quadrangle	531	Woodbine quadrangle	535-536
Weatherford, Mineral Wells & Northwestern		Woodland Heights School (Indian Creek	
Ry.	429	School)	540
Weatherford No. 4 quadrangle	531	Wyeth School	366
Weber ranch	349	Y	
Wells ranch	517-518	Y-L ranch	523
West, F. H., leveling by	338-339, 508	York's Flat	282
Z			
Zephyr	540		
Zephyr quadrangle	536-541		