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Harold L. Ickes, Secretary  
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W. C. Mendenhall, Director

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Bulletin 898-E

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# SPIRIT LEVELING IN MISSOURI

## PART 5. SOUTHWESTERN MISSOURI

### 1896-1937

J. G. STAACK  
Chief Topographic Engineer

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Prepared in cooperation with the  
STATE OF MISSOURI  
GEOLOGICAL SURVEY AND WATER RESOURCES  
H. A. Buehler, Director



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STATE GEO

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# SPIRIT LEVELING IN MISSOURI

## PART 5. SOUTHWESTERN MISSOURI, 1896-1937

J. G. Staack, Chief Topographic Engineer

### INTRODUCTION

Scope of report.—This bulletin, which for convenience is to be published in eight parts, contains the results of all spirit leveling done in Missouri by the Geological Survey, United States Department of the Interior, including those heretofore published.\* Each of the parts deals with one of eight sections into which the State has been divided for this purpose and which have been designated northeastern, northwestern, southeastern, southwestern, central, east-central, south-central, and west-central Missouri. 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.

Cooperation.—The State has contributed financially to the work of leveling in Missouri since 1907, ordinarily cooperating with the United States Geological Survey on a dollar-for-dollar basis. The agencies concerned in this cooperation are the Missouri Geological Survey and Water Resources and, since 1929, the Missouri State Highway Commission. Since 1934, the Missouri Geological Survey and Water Resources, under allotments from the Federal Emergency Relief Administration and the Works Progress Administration, has also supplied the funds to pay the personnel working on extensive projects of leveling in the State. For these projects the United States Geological Survey has furnished equipment and supervision as its share of the cooperation.

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 leveling\*\* 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  $0.017$  times the square root of the length of section in miles.

Second-order leveling, according to regulations of the United States Geological Survey, comprises lines leveled twice with reliable instruments, though not necessarily of the most improved type. Closures are not allowed to exceed  $0.035$  times the square root of the 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 of  $0.05$  times the square root of the

\*For the results of spirit leveling in Missouri previously published see Triangulation and spirit leveling—Missouri: U. S. Geol. Survey 18th Ann. Rept., pt. 1, pp. 333-337, 1897; Triangulation and spirit leveling—Missouri-Illinois: U. S. Geol. Survey 20th Ann. Rept., pt. 1, pp. 412-413, 1899; Triangulation, primary traverse and spirit leveling—Missouri: U. S. Geol. Survey 21st Ann. Rept., pt. 1, pp. 474-475, 1900; Results of spirit leveling, fiscal year 1900-1901—Missouri, Missouri-Kansas: U. S. Geol. Survey Bull. 185, pp. 107-113, 1901; Results of spirit leveling in Missouri, 1896 to 1919, inclusive: U. S. Geol. Survey Bull. 459, 48 pp., 1911; Results of spirit leveling in Missouri, 1896 to 1911, inclusive: U. S. Geol. Survey Bull. 568, 219 pp., 1915.

\*\*See Avers, H. G., Manual of first-order leveling; U. S. Coast and Geodetic Survey Special Pub. 140, 1929.

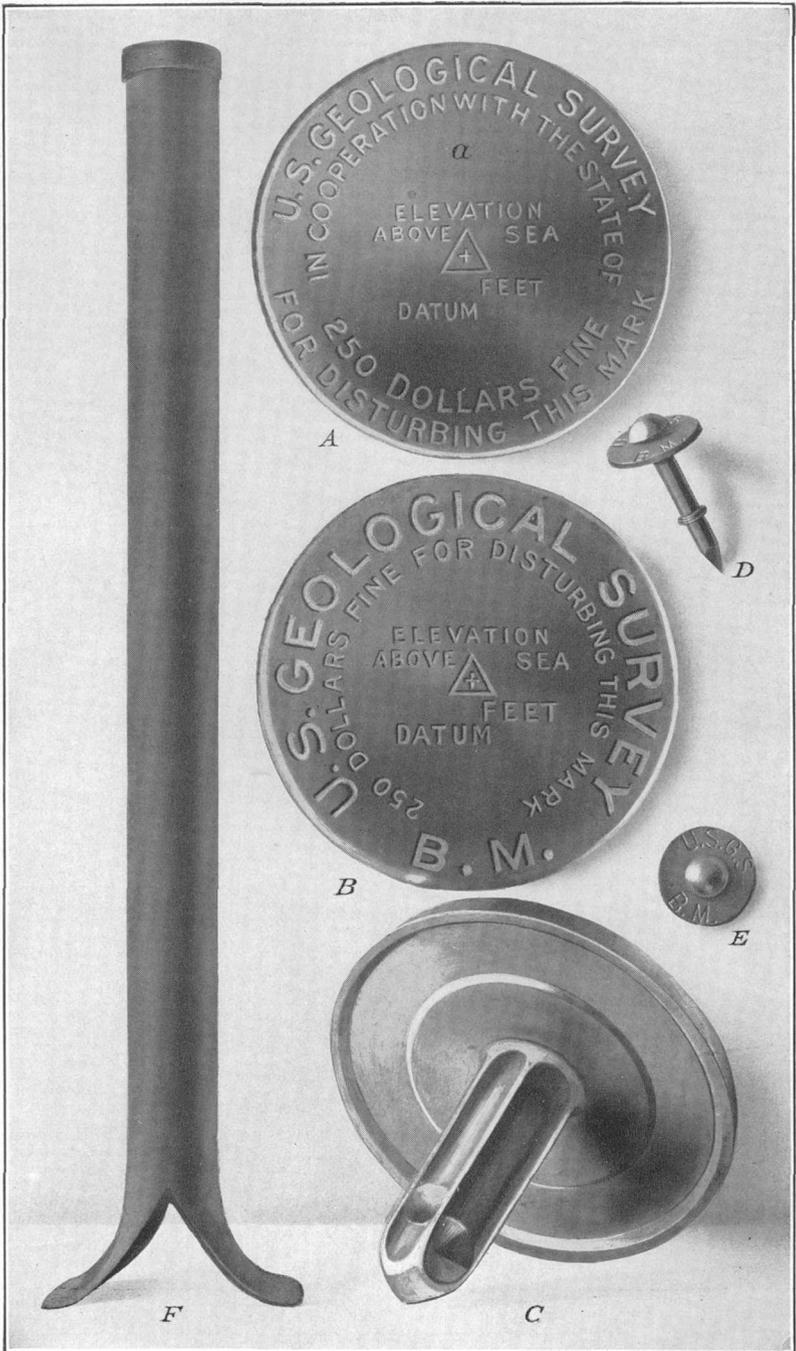
length of circuit in miles. This is equivalent to 0.071 times the square root of the length of section in miles if the line is leveled twice.

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

Adjustments.—A preliminary step to the adjustment of first, second, and third-order leveling is the application of all corrections for rod error, temperature, and unbalanced sights, as well as the orthometric corrections required because of the convergence toward the poles of level surfaces of different elevations. 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 adjusted to remove accidental closure errors by the mathematical method known as least squares. 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 Missouri, and the elevations thus derived are the fundamental references for elevations determined by second- and third-order nets. The third-order leveling of the United States Geological Survey in Missouri 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 has thus been brought into agreement with the best information available for the results of the fundamental first-order leveling, although the published figures of elevation may be changed slightly by future adjustments of the level net.

Benchmarks.—The benchmarks used by the United States Geological Survey (pl. 1) are of two general classes—principal and supplementary. Principal benchmarks are placed at more or less regular intervals along a level line and are established with the aim of making them as nearly permanent as practicable. They are usually bronze or aluminum tablets, iron posts, or copper bolts. Supplementary or auxiliary benchmarks are less formal in design and are placed between the principal benchmarks. Some of the supplementary benchmarks in common use are copper nails fitted with washers, spikes, and marks cut with a chisel on rock or masonry.

The tablets are circular in shape, measure  $3\text{-}\frac{7}{8}$  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 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 set and those now being placed are made of bronze, and bronze is the material now specified for standard tablets. Each tablet is cast with a  $\frac{3}{4}$ -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 the cross at the center. Tablets bearing a triangle enclosing a cross may be used not only as benchmarks but also as triangulation- or traverse-station marks.



GEOLOGICAL SURVEY BENCHMARKS.

A and B, Standard tablets, principal benchmarks, 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 benchmark, 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.

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 to mark a transit-traverse station, the traverseman stamps it with 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, using steel dies. If the tablet is set as a benchmark, the levelman stamps it with his identifying letter or letters, the serial number, and the year. He may at the same time stamp upon it with steel dies the figures of elevation to the nearest foot, or these figures may be added later. Tablets that serve as benchmarks may have been set as such or they may have been set to mark traverse stations. Thus some of them serve a dual purpose, but each has stamped upon it the date and the identifying designation of only the engineer who established it.

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. In June 1938 a field party was organized and charged with the responsibility of stamping figures of elevation, to the nearest foot, on the permanent benchmarks established in the State by the Geological Survey. Thus, these figures may appear stamped on the tablets in addition to the identifying letters and numbers quoted in the printed descriptions. It is assumed that engineers and others who require accurate figures of elevation for the marks will use those printed in a bulletin such as this one, 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, Geological Survey, United States Department of the Interior, Washington, D. C.

The tablets, of whatever style, are cemented into holes drilled in solid rocks or in the walls of public buildings, bridge abutments, or other masonry structures. Where masonry or rock is not available, the tablets are set in the tops of reinforced concrete posts, 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 vary in length from 36 to 48 inches and are generally set so as to project about 6 inches above ground.

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 or similar 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 subject to rust at the ground level, which eventually destroys them.

The third form of principal benchmark, 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 diam-

eter and has a slot at one end into which fits a brass wedge. The wedge serves to expand the bottom end of the bolt, so that after the bolt has been driven to almost its full length into the hole, it cannot be easily removed. The exposed end of the bolt bears an appropriate inscription, stamped upon it with steel dies. This inscription is made up of the letters "U S G S", the letters indicating the datum used, the abbreviated word "Ft.", and the figures of elevation.

Supplementary benchmarks 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, through which the nail is driven into the root of a tree or some timber structure or cemented into rock after bending the point. 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 benchmark is a chiseled square, used on the horizontal surface of rocks or masonry structures, or a chiseled cross, used on a vertical surface. Nails, track spikes, and small, capped iron pipes also serve as supplementary benchmarks, and occasionally easily described and recognized points, such as door-sills and tops of hydrants, are so used.

Preservation and restoration of benchmarks.—Any person who finds that a principal benchmark has been damaged, disturbed, or destroyed or that it should be reset or re-described 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 United States Geological Survey and those determined by the United States 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 ocean stations 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.\*

Location of the area.—Southwestern Missouri, as the term is used in this bulletin and as the subject of part 5 of the bulletin, is that section of the State lying south of  $38^{\circ}00'$  and west of  $93^{\circ}00'$ . (See fig. 9)

\*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.

Index map.—The accompanying index map of southwestern Missouri (fig. 10) shows the relative position of the quadrangle areas which make up this section. A quadrangle is the unit of topographic survey adopted by the United States Geological Survey for dividing the area of the United States. All the quadrangles referred to in listing the results of leveling in southwestern Missouri measure 15 minutes in latitude by 15 minutes in longitude. On the index map the name of each quadrangle is accompanied by the number of the page on which begins the list of descriptions of benchmarks in that quadrangle. The 30-minute quadrangles formerly designated as Carthage, Forsyth, and Fort Scott have recently been subdivided into 15-minute quadrangles, whose names appear in parentheses in the respective quadrants of the original quadrangles unless the new names have been used throughout the descriptions, in which case the old names are not given on the map.

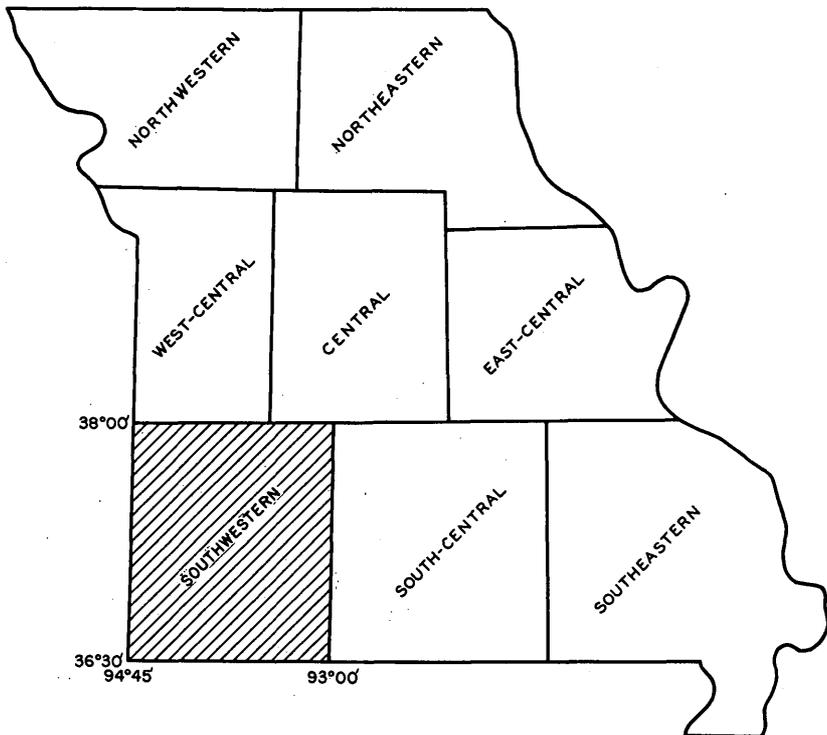


Figure 9.—Outline map of Missouri showing the names and relative position of the eight sections covered by the parts of Bulletin 898, on spirit leveling in the State. The shaded portion represents the section designated as southwestern Missouri.

Maps of many of the quadrangles in southwestern Missouri may be purchased at 10 cents each retail or 6 cents each in lots of 50 or more. Prepayment is required and may be made by money order, payable to the Director, Geological Survey, United States Department of the Interior, or in cash—the exact amount, at sender's risk. Postage stamps should not be sent.

Diagrams of quadrangles showing routes of leveling.—At the beginning of the list of benchmark descriptions for each quadrangle is a diagram showing the routes followed by the lines of leveling in and immediately adjacent to that quadrangle. To aid in identifying these routes, the boundaries of the townships and ranges in the quadrangle are indicated by light dashed lines, and the designations of these land subdivisions are given on the margin. The principal settlements are also shown. The solid lines represent the routes of the third-order leveling of the United States Geological Sur-

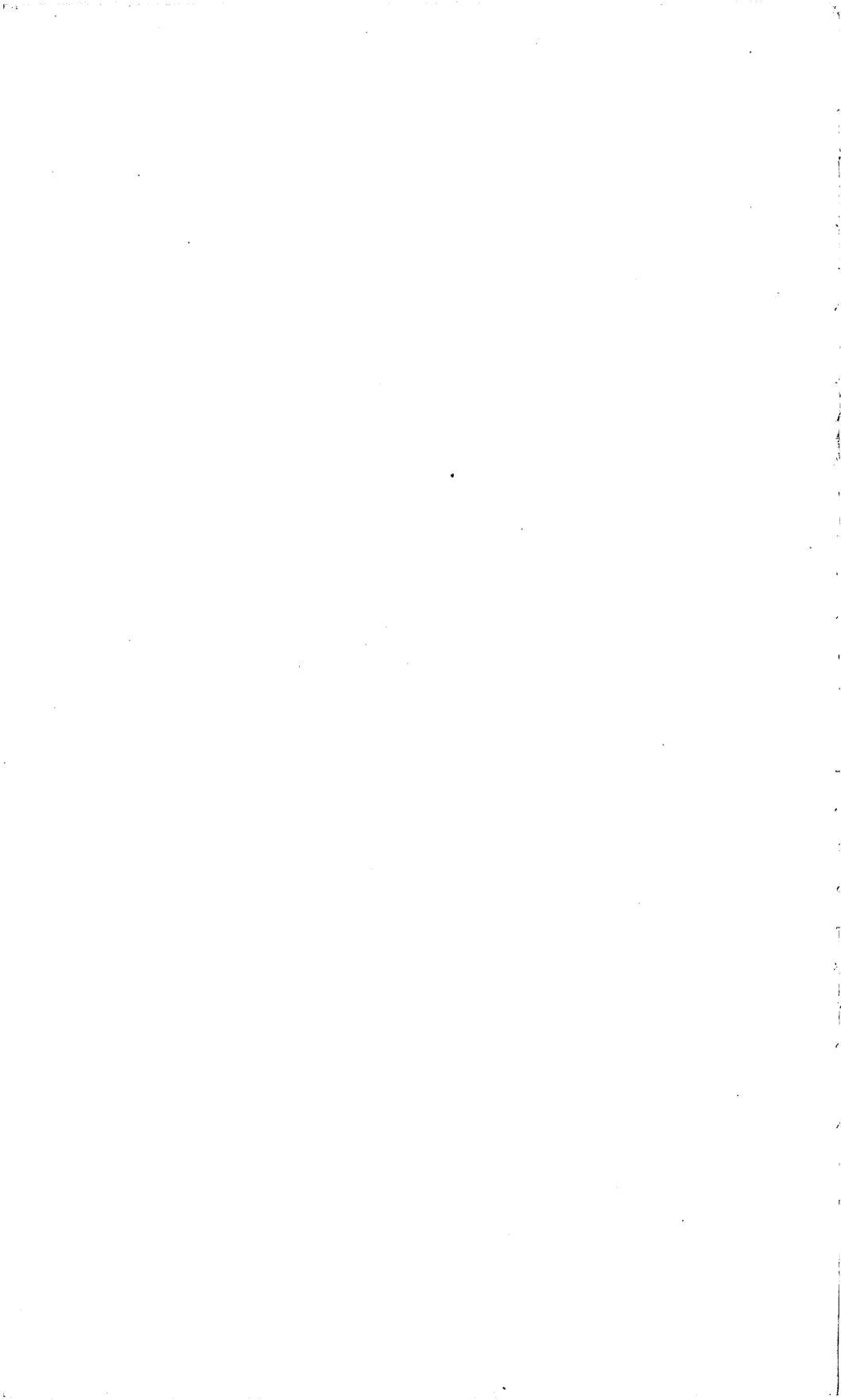
94° 45'								93° 00'
FORT SCOTT NO 1	NEVADA	WALKER	PLEASANT VIEW	HUMANSVILLE	HERMITAGE	URBANA	36° 00'	
708	711	715	718	722	726	730		
LIBERAL	SHELDON	MONTEVALLO	STOCKTON	FAIR PLAY	BOLIVAR	BUFFALO		
706	677	674	646	642	602	597		
PITTSBURG	JASPER	GOLDEN CITY	GREENFIELD	ASH GROVE	MORRISVILLE	STRAFFORD		
704	680	671	650	639	606	592		
GALENA	CARTHAGE NO 3 (CARTHAGE)	SARCOXIE	STOTTS CITY	HALLTOWN	REPUBLIC	OZARK		
700	683	669	653	635	611	588		
SENECA	NEOSHO	RITCHEY	MONETT	EL SEY	FORSYTH NO 2 (PONCE DE LEON)	FORSYTH NO 1 (GRADWICK)		
697	685	667	655	631	617	585		
SOUTH WEST CITY	NOEL	MOUNTAIN	CASSVILLE	SHELL KNOB	FORSYTH NO 3 (GARDNER)	FORSYTH NO 4 (BRANSON)		
36° 30' 94° 45'	694	688	662	657	626	620	581 83° 00'	

Figure 10.—Index map of southwestern Missouri showing the quadrangles into which this section of the State has been divided. Names appearing in parentheses are recent tentative designations which may supersede the names under which the lists of quadrangles have been compiled.

vey. To each of these is assigned a number, and the same number is assigned to the list of descriptions of benchmarks along that route. The heavy dashed lines represent the first-order leveling of the United States Coast and Geodetic Survey.

A line of first-order levels from Carthage along the Missouri Pacific Railroad to Kansas City by W. V. Kennedy, in 1938, ran through Jasper, Sheldon, and Nevada quadrangles and into Butler No. 3 quadrangle which is in Bulletin 898-H. This leveling is a rerun of the United States Coast and Geodetic Survey lines "Harrisonville to Monett", "Harrisonville to Pleasant Hill", and "Pleasant Hill to Kansas City" and was run to re-establish a first-order tie in order that the third-order leveling could be adjusted to the 1929 datum. The results of this leveling probably will be published later by the United States Coast and Geodetic Survey.

Personnel.—The leveling of the United States Geological Survey in southwestern Missouri 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. Included in the heading that precedes the descriptions of benchmarks established along any line of leveling are the name of the levelman who ran that line and the date when it was run, or, if this information has been omitted, it may be assumed that the levelman and date are the same as those indicated for the line immediately preceding. The adjustment of the third-order level net was done in the Washington office mainly by V. S. Benfell, computer. The revision, correlation, and compilation of the descriptions of benchmarks was done in the field office at Rolla, Mo., by employees of the Works Progress Administration of Missouri, who also assembled the lists and made new typewritten copies of them suitable for reproduction by photography. The work at Rolla was sponsored by the Missouri Geological Survey and Water Resources and was in charge of W. R. Broaddus, of the United States Geological Survey. The work in the Washington office was under the supervision of R. M. Wilson, chief of the section of computing, under the general direction of J. G. Staack, chief topographic engineer.



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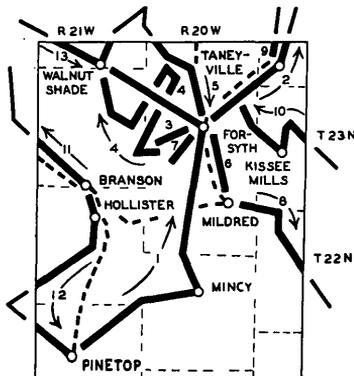
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THIRD-ORDER LEVELING

FORSYTH NO. 4 QUADRANGLE  
(Latitude 36°30'-36°45'; longitude 93°00'-93°15')

Taney County



1. FROM PINETOP NORTHEAST TO MINCY, THENCE NORTH TO FORSYTH, THENCE NORTHWEST TO WALNUT SHADE (by D. V. Vandiver in 1904-05)

	<u>Feet</u>
Pinetop, 1 mi. SE. of, 400 ft. E. of Turkey Creek, 200 ft. E. of Missouri Pacific R.R. at rd. crossing, in limestone ledge; aluminum tablet stamped "1903 1124 Adj"	1,121.453
Mincy, 2.8 mi. W. of, in saddle of ridge, 50 ft. N. of rd. forks, in large sandstone boulder; aluminum tablet stamped "1903 1243 Adj"	1,240.225
Mincy, 300 ft. E. of post office, in foundation of dwelling of W. T. Moore; aluminum tablet stamped "1903 914 Adj"	911.375
Mincy, 2.5 mi. N. of, 10 ft. W. of rd., in limestone rock; aluminum tablet stamped "1903 790 Adj"	787.071
Forsyth, in SE. corner of courthouse; aluminum tablet stamped "1903 695 Adj"	693.532
Walnut Shade, on State Highway 76, in sec. 34, T. 24 N., R. 21 W., 250 ft. N. of Bull Creek, 56 ft. N. and 14 ft. E. from N. corner of Walnut Shade Cash Store; iron post stamped "T T 7 W 1937 1903 758 Adj"	755.845

2. FROM FORSYTH NORTHEAST INTO FORSYTH NO. 1 QUADRANGLE (by D. V. Vandiver in 1904-05)

Forsyth, 3 mi. N. of, 2 mi. S. of Dickens post office, on small flat, 4 ft. W. of rd., in limestone; aluminum tablet stamped "1903 949 Adj"	946.704
Taneyville, in NE. corner of foundation of store of J. N. Ray; aluminum tablet stamped "1079 Adj"	1,076.220

(Continued in Forsyth No. 1 quadrangle; see line 2.)

3. FROM FORSYTH SOUTHWEST TO OZARK DAM (leveled twice by W. R. Broadus in 1924)

Forsyth, 2.5 mi. SW. of, 700 ft. N. of Ozark Dam across White River, in small hollow, 120 ft. W. of rd., 12 ft. W. of fence corner, in limestone boulder; standard tablet stamped "24 B 1924"	679.477
Reference mark, 45 ft. S. 20° E. of tablet, in root on E. side of 8-in. walnut tree; copper nail and washer	677.44

4. FROM OZARK DAM NORTHWEST ALONG LAKE TANEYCOMO AND BULL CREEK TO WALNUT SHADE (by Frank W. Hughes in 1926-27)

Ozark Dam, 1 mi. W. of, in sec. 7, T. 23 N., R. 20 W., on E. bank of Lake Taneycomo, 350 ft. from shore, 200 ft. N. 35° W. of small dwelling, 33 ft. N. 35° W. of 24-in. black-oak tree, in irregular 4- by 5-ft. flint boulder; bronze tablet (Cities Service Co. B.M.)	723.887
Wheatley Clubhouse, about 0.3 mi. NE. of, on W. bank of Lake Taneycomo, 20 ft. from shore, 31 ft. N. of 8-in. blue-ash tree, 15 ft. S. 25° E. of 10-in. pin-oak tree, 16 ft. N. 70° W. of 24-in. walnut tree, in limestone ledge; bronze tablet (Cities Service Co. B.M.)	721.073
Comoville, 0.7 mi. S. of, on W. bank of Lake Taneycomo, opposite head of island, 50 ft. S. of Hollow, 50 ft. N. 40° W. of 36-in. elm tree, in limestone ledge; bronze tablet (Cities Service Co. B.M.)	718.529
Comoville, about 0.4 mi. N. of, in sec. 20, T. 24 N., R. 20 W., on E. bank of Lake Taneycomo, 1,000 ft. E. of Cedar Point Resort, 40 ft. S. of hollow, 30 ft. from 12 ft. bluff over water, in limestone ledge; bronze tablet (Cities Service Co. B.M.)	715.479

	<u>Feet</u>
Rockaway Beach Hotel, about 1 mi. downstream from, about 0.2 mi. E. of large hollow, 400 ft. from N. bank of Lake Taneycomo, in small draw, 17 ft. S. 28° E. of 15-in. elm tree, in 3- by 5-ft. flint boulder; bronze tablet (Cities Service Co. B.M.)	720.030
Rockaway Beach Resort, in W. part of, 200 ft. W. of rd. corner, 200 ft. N. of shore of Lake Taneycomo, 50 ft. S. of rd., 40 ft. NW. of spring, 17 ft. S. 43° E. of 12-in. white-oak tree, in flint ledge; bronze tablet (Cities Service Co. B.M.)	715.937
Lake Taneycomo at mouth of Bull Creek, 2.5 mi. upstream from, in sec. 11, T. 23 N., R. 21 W., about 0.3 mi. E. of drain of small hollow, 750 ft. from bank at normal head of lake, on N. side of creek, 25 ft. E. of 15 ft. overhanging cliff, in limestone ledge; bronze tablet (Cities Service Co. B.M.)	754.458
5. FROM FORSYTH NO. 1 QUADRANGLE SOUTH ALONG STATE HIGHWAY 76 TO FORSYTH (by E. W. Gouchenour in 1931) (Continued from Forsyth No. 1 quadrangle; see line 3.)	
Forsyth, 5.5 mi. N. of, 1 mi. NW. of State Highway 76, 35 ft. S. and 10 ft. W. from dim rd. fork SW., in root on N. side of 12-in. black-oak tree; copper nail and washer	957.02
Forsyth, 4.5 mi. N. of, 355 ft. N. and 125 ft. W. from junction of Chadwick-Forsyth ridge rd., 45 ft. S. and 22 ft. E. from center of transmission-line tower, at SW. corner of garden of Barton Evert, in concrete post; standard tablet stamped "72 G 1931"	989.609
Reference mark, 135 ft. S. and 80 ft. E. from tablet, in root of lone 12-in. hickory tree; copper nail and washer	986.70
Forsyth, 3.5 mi. NW. of, 0.4 mi. S. of Riverview School, 5 ft. S. and 40 ft. E. from junction of rd. E., in root on W. side of 8-in. black-oak tree; copper nail and washer	968.10
Forsyth, 2.2 mi. NW. of, 500 ft. SE. of junction of rd. SE. to Forsyth, 75 ft. S. and 25 ft. E. from junction of private drive to dwelling of J. R. Gideon, 30 ft. SW. of highway, in root on N. side of 36-in. white-oak tree; copper nail and washer	948.99
Forsyth, 1.6 mi. NW. of, about 500 ft. S. of El Bonita Inn, 105 ft. S. and 30 ft. E. from highway opposite front door to office building at Shepherd of the Hills Estate Resort, 25 ft. W. of concrete pillar of water tower, at NW. corner of golf course, in concrete post; standard tablet stamped "73 G 1931"	946.635
Reference mark, 25 ft. E. of tablet, on NW. corner of water tower; chiseled square	945.88
Forsyth, 0.4 mi. W. of, 20 ft. S. and 20 ft. E. from rd. fork SW. to Ozark Dam, on S. head wall of concrete culvert; chiseled square	695.33
6. FROM FORSYTH SOUTH ALONG STATE HIGHWAY 78 TO MILDRED (leveled twice by L. V. Johnson in 1931)	
Forsyth, 1.1 mi. S. of, at top of hill, 100 ft. N. of center of small triangle formed by junction of rd., in root on S. side of small elm tree; copper nail and washer	930.80
Forsyth, 2.2 mi. S. of, 230 ft. SW. of school, 15 ft. E. of highway, on E. head wall of concrete culvert; chiseled square	909.16
Forsyth, 3.2 mi. S. of, 55 ft. N. and 30 ft. W. from junction of private rd. E. to farmhouse in bottom, 30 ft. W. of highway, in fence line, in root on E. side of 18-in. elm tree; copper nail and washer	943.36
Mildred, 6 1/4 ft. W. of junction of rd. E. to Cedar creek, 40 ft. S. of SE. corner of store and post office, in concrete post; standard tablet stamped "10 J 1931"	984.667
Reference mark, 10 ft. S. and 15 ft. W. from T-rd. E., on head wall of concrete culvert; chiseled square	985.19
7. FROM OZARK DAM NORTHEAST TO FORSYTH (leveled once by W. R. Broadus in 1924 and twice by L. V. Johnson in 1931)	
Forsyth, 1.2 mi. SW. of, along rd. to Ozark Dam, 0.4 mi. SW. of rd. junction, 300 ft. SW. of barn, on top of E. head wall of concrete culvert; chiseled square	697.30
8. FROM MILDRED SOUTHEAST TO EAST BORDER OF QUADRANGLE, INCLUDING THAT PART OF THE LINE IN PROTÉM QUADRANGLE (by L. V. Johnson in 1931)*	
Mildred, 1.1 mi. E. of, along rd. to Cedar creek, 550 ft. W. of rd. forks, 25 ft. S. and 33 ft. W. from dim T-rd. S., in fence line, in root on W. side of 8-in. oak tree (E. gatepost to pasture); copper nail and washer	967.10
Mildred, 2.1 mi. E. of, along rd. to Cedar creek, 23 ft. N. of junction of private rd. NE. to farmhouse, in root on S. side of blazed oak tree; copper nail and washer	925.01
Mildred, 3.1 mi. E. of, along rd. to Cedar creek, 93 ft. S. of S. corner of dwelling of J. W. Fisher, 32 ft. N. and 11 ft. W. from triangular-blazed elm tree, in fence corner, in concrete post; standard tablet stamped "11 J 1931"	787.666
Reference mark, 150 ft. S. of dwelling, 15 ft. S. of rd., in root on N. side of 24-in. oak tree; copper nail and washer	783.37
Mildred, 4.1 mi. E. of, on E. bank of White River, 45 ft. S. of Blackwells Ferry landing, 20 ft. W. of rd., in root on E. side of large sycamore tree; copper nail and washer	634.19

\* Line 1 of Protém quadrangle includes a portion of this line (see Bull. 898-B, pp. 237-238).

	<u>Feet</u>
Blackwells Ferry, 1.2 mi. SE. of, along Cedar creek rd., 70 ft. S. and 22 ft. W. from junction of dim rd. SW., on N. slope of hill, in root on SE. side of large blazed tree; copper nail and washer	854.30
Cedar creek, 2.3 mi. NW. of, along rd. to Blackwells Ferry, 13 ft. S. and 9 ft. E. from SE. corner of Bald Knob School, in concrete post; standard tablet stamped "12 J 1931"	968.028
Reference mark, 25 ft. N. and 85 ft. E. from NE. corner of school, in root on E. side of 12-in. oak tree; copper nail and washer	968.00
Cedar creek, 1.4 mi. NW. of, along Forsyth rd., 0.9 mi. SE. of Bald Knob School, 15 ft. S. and 40 ft. E. from junction of rd. SW., 13 ft. E. of fence, in root on NW. side of 12-in. cedar tree; copper nail and washer	987.97
Cedar creek, 0.8 mi. NW. of, along Forsyth rd., at top of large hill, 350 ft. W. of junction of dim rd., 280 ft. E. of mail box, 25 ft. S. of rd., in root on S. side of blazed 15-in. oak tree; copper nail and washer	1,068.01
Cedar creek, 17 ft. N. and 62 ft. E. from front door of store and post office, 36 ft. N. of 15-in. cedar tree, in limestone boulder; standard tablet stamped "13 J 1931"	970.324
Reference mark, 55 ft. N. of store and post office, in root on S. side of 15-in. oak tree; copper nail and washer	969.14

9. FROM FORSYTH NO. 1 QUADRANGLE SOUTH ALONG STATE HIGHWAY 78 TO TANEYVILLE (by B. A. Barnes in 1935)  
(Continued from Forsyth No. 1 quadrangle; see line 4.)

Taneyville, on State Highway 78, 8 ft. N. of front entrance of post office building owned by Jerry Gordan, in front porch; standard tablet stamped "T T 33 B 1931"	1,075.304
U.S.C. & G.S. standard disk stamped "Y 61 1934"	1,072.895

10. FROM PROTEM QUADRANGLE AT SEC. 13, T. 23 N., R. 19 W., WEST BY WAY OF KISSEE MILLS TO STATE HIGHWAY 78 AT POINT 4.1 MILES NORTHEAST OF FORSYTH (by B. A. Barnes in 1935)

Kissee Mills, about 2 mi. NE. of, in SE 1/4 sec. 11, T. 23 N., R. 19 W., in barnyard of L. L. Davidson, 110 ft. W. of SW. corner of barn, in root of 10-in. locust tree; copper nail and washer	685.55
Kissee Mills, about 1 mi. N. of, in NW 1/4 sec. 14, T. 23 N., R. 19 W., in lane leading to dwelling of D. S. Stewart, in root of leaning 22-in. sycamore tree; copper nail and washer	672.17
Kissee Mills, about 0.3 mi. E. of, in SW 1/4 sec. 14, T. 23 N., R. 19 W., on NE. concrete abutment of bridge over Beaver Creek; chiseled square	677.28
Kissee Mills, in SE 1/4 sec. 15, T. 23 N., R. 19 W., 75 ft. N. of rd., in line with E. face of Kissee Mills School, in concrete post; standard tablet stamped "T T 23 C 1934"	728.492
Kissee Mills, 1 mi. NW. of, along County Route C, in NW 1/4 sec. 15, T. 23 N., R. 19 W., N. of highway, in root of white-oak tree; copper nail and washer	907.04
Kissee Mills, 1.8 mi. NW. of, along County Route C, in NE 1/4 sec. 36, T. 23 N., R. 20 W., E. of highway, opposite rd. S., in root of white-oak tree; copper nail and washer	983.41
Forsyth, 3 mi. NE. of, along State Highway 78, N. of junction of gravel rd. S. to Kissee Mills, in line with rd. S., in concrete post; standard tablet stamped "T T 32 B 1931"	975.312
Junction of private rd., 20 ft. W. of, on S. head wall of pipe drain; chiseled square	1,005.75
U.S.C. & G.S. standard disk stamped "X 61 1934"	1,013.909

11. FROM BRANSON NORTHWEST ALONG U.S. HIGHWAY 65 INTO FORSYTH NO. 3 QUADRANGLE (by J. J. Crane in 1937)

U.S.C. & G.S. standard disk stamped "K 61 1934"	726.344
U.S.C. & G.S. standard disk stamped "H 61 1934"	721.882
Near top of hill, on E. head wall of concrete culvert; chiseled square	774.24
Branson, 0.8 mi. N. of, 200 ft. N. of junction of County Route F, on limestone ledge; chiseled square	834.77
Iron pipe culvert, on S. concrete head wall; chiseled square	914.04
Branson, 2.3 mi. NW. of, 50 ft. S. and 10 ft. E. from cross rd., in root on N. side of 20-in. white-oak tree; copper nail and washer	958.22
Iron pipe culvert at private rd., on E. concrete head wall; chiseled square	995.85
Branson, 3.4 mi. NW. of, at private rd. W., 100 ft. S. and 60 ft. E. from service sta., 18 ft. W. of highway, on N. end of head wall of concrete culvert; chiseled square	1,026.78

(Continued in Forsyth No. 3 quadrangle; see line 12.)

12. FROM BRANSON SOUTH ALONG U. S. HIGHWAY 65 INTO FORSYTH NO. 3 QUADRANGLE (by J. J. Crane in 1937)

U.S.C. & G.S. standard disk stamped "P 65 1934"	729.877
U.S.C. & G.S. standard disk stamped "Q 65 1934"	732.761
Hollister, about 1 mi. SW. of, 90 ft. E. of N.-S. cross rd., 45 ft. N. of highway, 100 ft. W. of service sta., in root on S. side of 10-in. elm tree; copper nail and washer	914.05

	<u>Feet</u>
Hollister, 1.5 mi. SW. of, 90 ft. W. of junction of County Route V, in concrete post; standard tablet stamped "T T 31 W 1937"	980.239
Hollister, 2.5 mi. SW. of, 130 ft. S. of junction of State Highway 86, 25 ft. W. of highway, 12 ft. E. of como-craft farmhouse, in root on W. side of 16-in. black-oak tree; copper nail and washer	1,065.98
Hollister, 3.5 mi. SW. of, 45 ft. W. of highway, 85 ft. N. of rd. E., in root on E. side of 20-in. black-oak tree; copper nail and washer	1,245.74
Hollister, 3.7 mi. SW. of, 40 ft. W. of highway, 40 ft. S. and 43 ft. E. from SE. corner of farmhouse of W. E. Freeman, in concrete post; standard tablet stamped "T T 32 W 1937"	1,253.866
Reference mark, 8 ft. N. of private rd. to farmhouse, in root on N. side of oak tree; copper nail and washer	1,246.52
Hollister, 4.8 mi. SW. of, 200 ft. S. of dwelling of W. F. Dewey, 60 ft. N. of highway, at gate across private rd. to dwelling, on concrete base of post; chiseled square	1,283.68

(For balance in Forsyth No. 3 quadrangle, see line 13.)

Hollister, about 8 mi. SW. of, 300 ft. S. of Ridgedale post office, 15 ft. W. of highway, on W. head wall of concrete culvert; chiseled square	1,319.25
Hollister, about 8.5 mi. SW. of, 40 ft. W. of highway, 15 ft. S. of rd. W., on S. head wall of concrete culvert; chiseled square	1,380.59
Ridgedale School, 0.3 mi. SE. of, 23 ft. S. and 110 ft. E. from junction of rd. E., 3 ft. S. and 10 ft. E. from 20-in. black-oak tree, in concrete post; standard tablet stamped "T T 19 C 1936"	1,385.176
Hollister, 9.9 mi. S. of, 50 ft. W. of highway, at service sta., on concrete base of gasoline pump; chiseled square	1,373.08
T. 21 N., R. 21 W., in SW 1/4 sec. 21, 0.3 mi. N. of Ark.-Mo. State line, 28 ft. E. of highway, 47 ft. W. of door of service sta., in concrete post; standard tablet stamped "T T 20 C 1936"	1,388.101
U.S.C. & G.S. standard disk stamped "W 65 1934"	1,129.036
U.S.C. & G.S. standard disk stamped "V 65 1934"	1,092.636

13. FROM FORSYTH NO. 1 QUADRANGLE SOUTHEAST TO WALNUT SHADE, THENCE NORTHEAST INTO FORSYTH NO. 1 QUADRANGLE (by A. R. Friend in 1937; accuracy of figures of elevation doubtful because of insufficient connections).

(Continued from Forsyth No. 1 quadrangle; see line 6.)

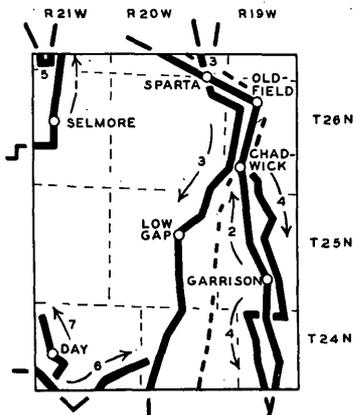
Walnut Shade, about 1 mi. N. of, along State Highway 76, on SW. abutment of bridge over Bear Creek; chiseled square	776.76
Junction of County Route E to Spokane, on E. head wall of concrete culvert; chiseled square	797.42
Walnut Shade, 1 mi. N. of, 20 ft. N. and 20 ft. W. from ford across Bull Creek, in root on N. side of 14-in. sycamore tree; copper nail and washer	752.44
Walnut Shade, 1.5 mi. N. of, about 250 ft. S. of ford across Bull Creek, W. of rd., in root on E. side of 16-in. pin-oak tree; copper nail and washer	764.39

(Continued in Forsyth No. 1 quadrangle; see line 6.)

For additional level lines along Missouri Pacific R.R., State Highways 76 and 78, refer to United States Coast and Geodetic Survey second-order lines, Aurors, Mo. to Harrison, Ark., Springfield to Forsyth, and Branson to Mansfield.

FORSYTH NO. 1 QUADRANGLE  
(Latitude 36°45'-37°00'; longitude 93°00'-93°15')

Christian and Taney Counties



1. FROM FORSYTH NO. 2 QUADRANGLE EAST AND NORTH BY WAY OF SELMORE INTO SPRINGFIELD NO. 4 QUADRANGLE (by D. V. Vandiver in 1904-05)  
(Continued from Forsyth No. 2 quadrangle; see line 3.)

Selmore, 1.5 mi. S. of, in NW. corner of chimney of dwelling of W. M. King; aluminum tablet stamped "1903 1337 Adj"	Feet 1,333.698
Ozark, 3 mi. S. of, on W. bank of Elk Creek, at rd. forks, at spring, in limestone; aluminum tablet stamped "1903 1168 Adj"	1,165.101

2. FROM FORSYTH NO. 4 QUADRANGLE NORTH BY WAY OF GARRISON TO CHADWICK, THENCE NORTH AND NORTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY BY WAY OF SPARTA INTO OZARK QUADRANGLE (by D. V. Vandiver in 1904-05)  
(Continued from Forsyth No. 4 quadrangle; see line 2.)

Taneyville, 3.2 mi. N. of, 200 ft. E. of Swan Creek, 40 ft. S. of ford across small creek, in boulder; aluminum tablet stamped "1903 841 Adj"	838.731
Garrison, 0.2 mi. S. of, 100 ft. S. of fifth ford across Swan Creek, in ledge; aluminum tablet stamped "1903 876 Adj"	873.971
Garrison, 2.5 mi. N. of, at bottom of Chadwick Hill, 2 ft. E. of rd., in limestone; aluminum tablet stamped "1903 961 Adj"	958.590

(Continued in Ozark quadrangle; see line 1.)

3. FROM OZARK QUADRANGLE SOUTHEAST AND SOUTH ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO CHADWICK, THENCE SOUTH AND WEST ALONG OLD CHADWICK-FORSYTH RIDGE ROAD INTO FORSYTH NO. 4 QUADRANGLE (by E. W. Gouchejour in 1931)\*  
(Continued from Ozark quadrangle; see line 4.)

Sparta, 160 ft. N. and 48 ft. W. from St. Louis-San Francisco Ry. sta., 1 ft. S. and 3 ft. E. from SW. corner of garden fence, in concrete post; standard tablet stamped "67 G 1931"	1,391.703
Reference mark, 55 ft. S. and 25 ft. W. from tablet, on E. head wall of concrete culvert; chiseled square	1,392.68
Sparta, 1.4 mi. SE. of, 50 ft. S. and 15 ft. W. from rd. crossing, in root on SE. side of 12-in. wild-cherry tree; copper nail and washer	1,418.18
Sparta, 2.4 mi. SE. of, 1 mi. NW. of Oldfield, 130 ft. N. of private rd. crossing, in root on S. side of 12-in. black-oak tree; copper nail and washer	1,401.89
Oldfield, 0.2 mi. S. of St. Louis-San Francisco Ry. sta., 67 ft. N. of track opposite milepole 269.5, 7 ft. W. of track, in large limestone boulder; standard tablet stamped "68 G 1931" (this monument replaces old aluminum tablet stamped "1903 1384 Adj" which has been destroyed)	1,380.926 1,381.09
Reference mark, 4 ft. N. of tablet, on ledge; chiseled square	
Oldfield, 1.2 mi. S. of, 90 ft. S. and 60 ft. W. from track at milepole, in root on S. side of 36-in. water-oak tree; copper nail and washer	1,360.93
Oldfield, 2.4 mi. S. of, 1.3 mi. N. of Chadwick, 15 ft. S. and 15 ft. E. from milepole 271.5, in root on W. side of twin oak tree; copper nail and washer	1,358.72
Chadwick, 20 ft. N. and 125 ft. W. from NW. corner of St. Louis-San Francisco Ry. sta., 1 ft. N. and 5 ft. W. from NE. corner of yard of Robert Adams, in concrete post; standard tablet stamped "69 G 1931"	1,377.881
Reference mark; 53 ft. N. of tablet, on SE. corner of concrete steps to Boles Cafe; chiseled cross	1,376.92

\*Line 1 of Bradleyville quadrangle includes a portion of this line (see Bull. 898-B, pp. 241-242).

	Feet
Chadwick, 0.8 mi. S. of, 10 ft. S. and 35 ft. E. from junction of rd. E., in tree; spike	1,350.22
Chadwick, 1.3 mi. S. of, 75 ft. N. and 60 ft. W. from N. end of triangle formed by rd. junction, in front yard of dwelling, in root on E. side of tree; copper nail and washer	1,379.60
Chadwick, 2.4 mi. S. of, 10 ft. S. and 25 ft. W. from junction of dim rd. SW. through gate, in root on S. side of 60-in. white-oak tree; copper nail and washer	1,367.59
Chadwick, 3.3 mi. S. of, 30 ft. E. of rd., 6 ft. S. of E.-W. fence, 7 ft. SE. of 20-in. white-oak tree, at NW. corner of field, in concrete post; standard tablet stamped "70 G 1931"	1,310.720
Reference mark, 7 ft. NW. of tablet, in root on W. side of 20-in. white-oak tree; copper nail and washer	1,311.95
Chadwick, 4.4 mi. SW. of, 25 ft. E. of rd., in root on W. side of 20-in. white-oak tree; copper nail and washer	1,336.52
Low Gap, 1.5 mi. N. of, 25 ft. S. of rd., in root on N. side of 36-in. black-oak tree; copper nail and washer	1,338.13
Low Gap, 1.2 mi. N. of, 70 ft. N. and 30 ft. E. from cross rd., in root on NE. side of 12-in. black-oak tree; copper nail and washer	1,328.63
Low Gap, 0.5 mi. N. of, 33 ft. S. 30° W. of SW. corner of Oak Wood School, in line with W. face, in concrete post; standard tablet stamped "71 G 1931"	1,298.498
Reference mark, 12 ft. N. and 12 ft. W. from tablet, in root on N. side of 12-in. white-oak tree; copper nail and washer	1,298.09
Low Gap, 1 mi. S. of, 30 ft. N. and 5 ft. W. from junction of rd. SW., in root on SE. side of 36-in. white-oak tree; copper nail and washer	1,307.83
Low Gap, 2.4 mi. S. of, 10 ft. S. and 20 ft. E. from junction of rd. NE., in root on S. side of 30-in. black-oak tree; copper nail and washer	1,319.34
Low Gap, about 3 mi. S. of, 56 ft. S. and 49 ft. E. from SE. corner of Calvenger's store, 28 ft. N. of rd., 3 ft. S. of wooden fence, in concrete post; standard tablet stamped "T T Sta No 33 W 1931"	1,324.942
Reference mark, 165 ft. N. 60° W. of tablet, in root on N. side of 24-in. black-oak tree; copper nail and washer	1,324.35
Low Gap, 4.5 mi. S. of, 0.5 mi. S. of Pine Ridge School, 25 ft. NW. of rd., in root on SE. side of 36-in. black-oak tree; copper nail and washer	1,286.16
Low Gap, 5 mi. S. of, 1,000 ft. S. of dwelling, 17 ft. W. of rd., in root on W. side of 30-in. white-oak tree; copper nail and washer	1,294.27
Low Gap, about 5.8 mi. S. of, 1,130 ft. S. of Sloane's store, 57 ft. S. of rd., 50 ft. N. 41° 50' W. of triangular-blazed 20-in. oak tree, 1 ft. N. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "T T Sta No 34 W 1931"	1,167.137
Reference mark, 45 ft. S. 60° E. of tablet, in root on N. side of triangular-blazed 24-in. black-oak tree; copper nail and washer	1,172.51
Low Gap, 6.8 mi. S. of, 1 mi. S. of junction of Hodge Hollow rd., 5 ft. S. and 20 ft. E. from junction of dim rd. NW., in root on W. side of 24-in. white-oak tree; copper nail and washer	1,235.74
Forsyth, 8.5 mi. NW. of, 2 mi. S. of junction of Hodge Hollow rd., 130 ft. S. of junction of rd. SE., in root on E. side of 30-in. black-oak tree; copper nail and washer	1,258.22
Forsyth, 6 mi. N., thence 2 mi. W. from, 26 ft. N. of rd., 17 ft. S. and 34 ft. E. from triangular-blazed 20-in. oak tree, 9 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T Sta No 35 W 1931"	1,276.749
Reference mark, 35 ft. NW. of tablet, in root on N. side of 20-in. oak tree; copper nail and washer	1,273.86
Forsyth, 6.5 mi. N. of, 95 ft. S. and 20 ft. E. from junction of rd. E., in root on W. side of 30-in. black-oak tree; copper nail and washer	1,246.23

(Continued in Forsyth No. 4 quadrangle; see line 5.)

4. FROM CHADWICK ALONG CHADWICK-MERRITT ROAD, COUNTY ROUTE A, AND OTHER ROADS SOUTHEAST AND SOUTH TO GARRISON, THENCE SOUTH INTO FORSYTH NO. 4 QUADRANGLE (by B. A. Barnes in 1935).\*

Chadwick, 0.9 mi. SE. of, near center sec. 29, T. 26 N., R. 19 W., in yard of D. O. Bauscher, 28 ft. S. of rd., in root of 17-in. white-oak tree; copper nail and washer	1,340.98
Chadwick, 2.6 mi. SE. of, along Chadwick-Merritt rd., about halfway down long, winding hill, 10 ft. S. of triangular-blazed 12-in. tree, 30 ft. S. of rd., in pasture, in ledge; standard tablet stamped "T T 28 C 1934"	1,082.578
Chadwick, 3.8 mi. SE. of, in NW 1/4 sec. 34, T. 26 N., R. 19 W., at lane S. to farmhouse of L. H. Nichols, at SE. corner of gate, in root of 22-in. maple tree; copper nail and washer	946.72
Chadwick, about 4.2 mi. SE. of, near center sec. 34, T. 26 N., R. 19 W., on N. bank of Swan Creek, on concrete retaining wall; chiseled square	939.86
Garrison, 2.5 mi. N. of, along County Route A, thence 0.5 mi. E., 43 ft. S. and 22 ft. E. from SE. corner of concrete blockhouse of Everett Mitchell, in concrete post; standard tablet stamped "1399 E R A 1935"	951.789
Garrison, 2.5 mi. N. of, along County Route A, 55 ft. E. of highway, 67 ft. S. of rd. E., on ledge; chiseled square	1,158.81
Garrison, 1.7 mi. N. of, along County Route A, 60 ft. S. and 39 ft. E. from junction of rd. E., in root of 18-in. black-oak tree; copper nail and washer	1,123.32
Garrison, 0.7 mi. N. of, along County Route A, about halfway down long hill, in root of 13-in. white-oak tree; copper nail and washer	1,001.34
Garrison, in NE 1/4 sec. 28, T. 25 N., R. 19 W., 40 ft. N. and 115 ft. W. from rock store building of Ray Rozell, 30 ft. N. of County Route A, in concrete post; standard tablet stamped "1398 E R A 1935"	891.195

\*Line 1 of Bradleyville quadrangle includes a portion of this line (see Bull. 898-B, p. 242).

	<u>Feet</u>
Garrison, about 0.5 mi. S. of, along County Route A, on SW. head wall of concrete bridge over Swan Creek; chiseled square	875.61
Garrison, 1.3 mi. SE. of, along County Route A, 100 ft. S. and 20 ft. E. from junction of rd. S., in root of 16-in. walnut tree; copper nail and washer	876.54
Garrison, 2.8 mi. S. of, in SE 1/4 sec. 34, T. 25 N., R. 19 W., 71 ft. S. of SW. corner of dwelling of D. E. Case, in concrete post; standard tablet stamped "1397 E R A 1935"	993.604
Garrison, about 3.7 mi. S. of, in NW 1/4 sec. 2, T. 24 N., R. 19 W., 35 ft. N. of spring branch, 14 ft. E. of rd., in root of 22-in. black-oak tree; copper nail and washer	899.60
Garrison, about 4.6 mi. S. of, in NE 1/4 sec. 3, T. 24 N., R. 19 W., 18 ft. N. and 25 ft. E. from T-rd. E., in root of 14-in. walnut tree; copper nail and washer	839.70
Garrison, 5.9 mi. SW. of, in SW 1/4 sec. 10, T. 24 N., R. 19 W., 15 ft. N. and 10 ft. W. from SW. corner of dwelling of E. Goodwin, 20 ft. E. of rd., in concrete post; standard tablet stamped "1380 E R A 1935"	879.604
Helphrey School, near quarter between secs. 15 and 22, T. 24 N., R. 19 W., 1 ft. from school, in bottom stone step; chiseled square	1,111.93

(Continued in Forsyth No. 4 quadrangle; see line 9.)

5. POINT NEAR NORTHWEST CORNER OF QUADRANGLE AT SEC. 33, T. 27 N., R. 21 W. (by Charles E. Hunter in 1936)	
(Continued from Ozark quadrangle; see line 11.)	
Ozark, 3.1 mi. SW. of, near center sec. 33, T. 27 N., R. 21 W., 10 ft. S. and 25 ft. E. from rd. Forks, in root on SW. side of 10-in. hackberry tree; copper nail and washer	1,127.30

(Continued in Ozark quadrangle; see line 11.)

6. FROM FORSYTH NO. 2 QUADRANGLE AT SEC. 25, T. 24 N., R. 24 W., EAST TO SEC. 6, T. 24 N., R. 21 W. (by A. R. Friend in 1937; accuracy of figures of elevation doubtful because of insufficient connections).	
(Continued from Forsyth No. 2 quadrangle; see line 7)	
Walnut Shade, 3.6 mi. NW. of, along State Highway 76, 42 ft. S. and 1 ft. W. from highway at fences N.-S., in concrete post; standard tablet stamped "T T 6 W 1937"	1,242.600
Walnut Shade, about 2.5 mi. NW. of, along State Highway 76, 20 ft. S. and 10 ft. W. from junction of private rd. up N. side of Turkey Knob, on W. head wall of concrete culvert; chiseled square	1,084.41

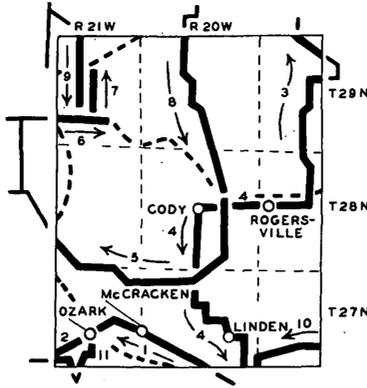
(For balance in Forsyth No. 4 quadrangle, see line 13.)

T. 24 N., R. 21 W., near quarter cor. between secs. 25 and 26, about 0.5 mi. above mouth of Gittman Hollow, N. of junction of private rd. E.-W. and dim rd. N., on top of large limestone boulder; chiseled square	791.17
T. 24 N., R. 21 W., near center sec. 25, 1 mi. above mouth of Gittman Hollow, 50 ft. S. of junction of two small streams, 70 ft. E. of small log cabin, in root on N. side of 10-in. hard-maple tree; copper nail and washer	825.37
7. FROM SOUTH BORDER OF QUADRANGLE NORTH BY WAY OF DAY TO POINT ABOUT 2 MILES NORTH OF DAY (unchecked single-run spur line by A. R. Friend in 1937)	
Day, in SE 1/4 SW 1/4 sec. 18, T. 24 N., R. 21 W., at SE. corner of porch of post office, in concrete floor; top of bolt	855.03
Day, at old post office site, in NW 1/4 NW 1/4 sec. 20, T. 24 N., R. 21 W., on N. bank of Bear Creek, about 500 ft. S. of rd., in S. edge of meadow; iron post stamped "1903 83 Adj"	829.802
Day, about 1.4 mi. N. of, near center sec. 7, T. 24 N., R. 21 W., 6 ft. N. and 30 ft. E. from junction of private rd. E., in root on S. side of 8-in. wild-cherry tree; copper nail and washer	1,237.76
T. 24 N., R. 21 W., in SW 1/4 sec. 6, 38 ft. N. and 710 ft. E. from rd. at fences N.-S., 16 ft. N. and 19 ft. W. from T-rd. W., in fence corner, in concrete post; standard tablet stamped "T T 9 W 1937"	1,267.976

For an additional level line along County Route A and Chadwick-Forsyth ridge rd., refer to United States Coast and Geodetic Survey second-order line, Springfield to Forsyth.

OZARK QUADRANGLE  
(Latitude 37°00'-37°15'; longitude 93°00'-93°15')

Christian, Greene, and Webster Counties



1. FROM FORSYTH NO. 1 QUADRANGLE NORTHWEST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO OZARK (by D. V. Vandiver in 1904-05)  
(Continued from Forsyth No. 1 quadrangle; see line 2.)

McCracken, 60 ft. S. of St. Louis-San Francisco Ry. track, in foundation on N. side of store of A. M. Candle; aluminum tablet stamped "1903 1380 Adj"  
Feet  
1,376.631

2. FROM FORSYTH NO. 2 QUADRANGLE NORTHEAST TO OZARK (by D. V. Vandiver in 1904-05)  
(Continued from Forsyth No. 2 quadrangle; see line 4.)

Riverdale, 2.8 mi. E. of, 300 ft. N. of rd. corner, 20 ft. E. of spring-house of A. L. Porter, in limestone ledge; aluminum tablet  
1,149.132

3. FROM ROGERSVILLE EAST AND NORTH INTO STRAFFORD QUADRANGLE, NEAR NORTHEAST CORNER OF QUADRANGLE, INCLUDING THAT PART OF THE LINE IN FORDLAND QUADRANGLE (by E. W. Gouchenour in 1931)\*

U.S.C. & G.S. standard disk stamped "C 6 1928"  
1,462.363

Rogersville, 1.5 mi. E. of, 65 ft. N. and 300 ft. W. from St. Louis-San Francisco Ry. at rd. crossing, in SW. corner of field, in root on N. side of 2 1/2-in. black-oak tree; copper nail and washer  
\*\*1,474.52

Rogersville, 1.5 mi. E., thence 0.9 mi. N. from, in NW 1/4 sec. 16, T. 28 N., R. 19 W., 55 ft. S. and 15 ft. W. from rd. fork S., in root on W. side of 14-in. black-walnut tree; copper nail and washer  
1,442.58

Rogersville, 1.5 mi. E., thence 2 mi. N. from, 0.2 mi. E. of cor. secs. 4, 5, 8, and 9, T. 28 N., R. 19 W., 18 ft. N. and 48 ft. W. from crossroads, 15 ft. N. of oak tree, in concrete post; standard tablet stamped "T T 32 W 1931"  
1,479.031

Reference mark, 75 ft. N. of tablet, in root on S. side of 30-in. black-oak tree; copper nail and washer  
1,477.17

Rogersville, 1.5 mi. E., thence 3 mi. N. from, 0.2 mi. E. of approximate cor. secs. 4, 5, 32, and 33, Tps. 28 and 29 N., R. 19 W., 35 ft. N. and 40 ft. W. from crossroads, in root on S. side of 12-in. hickory tree; copper nail and washer  
1,477.48

Rogersville, 1.5 mi. E., thence 4 mi. N. from, in NW 1/4 NW 1/4 sec. 33, T. 29 N., R. 19 W., 25 ft. W. of rd., in root on N. side of 15-in. black-oak tree; copper nail and washer  
1,470.84

Rogersville, 1.5 mi. E., thence 5 mi. N. from, in NE 1/4 NW 1/4 sec. 28, T. 29 N., R. 19 W., 25 ft. N. of rd. E. and in line with rd. S., 28 ft. N. and 83 ft. E. from NE. corner of porch of dwelling of C. C. Yandell, 5 ft. N. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 31 W 1931"  
1,435.199

Reference mark, 3 ft. N. and 27 ft. E. from tablet, in root on E. side of 20-in. white-oak tree; copper nail and washer  
1,434.66

Rogersville, 1.5 mi. E., thence 5.9 mi. N. from, in NE 1/4 SE 1/4 sec. 21, T. 29 N., R. 19 W., 150 ft. W. of Shelby's store, 5 ft. N. and 23 ft. E. from rd. fork N., on N. head wall of concrete culvert; chiseled square \*\*\*  
1,286.21

Rogersville, 1.5 mi. E., thence 7.2 mi. N. from, in W 1/2 sec. 15, T. 29 N., R. 19 W., 35 ft. S. and 10 ft. E. from dim crossroads, in root on W. side of 30-in. black-oak tree; copper nail and washer \*\*\*  
1,473.01

Rogersville, 1.5 mi. E., thence 8.3 mi. N. from, cor. secs. 10, 11, 14, and 15, T. 29 N., R. 19 W., 10 ft. N. and 25 ft. E. from crossroads, in root on S. side of 2 1/2-in. cedar tree; copper nail and washer \*\*\*  
1,471.28

\*Published also as line 1 of the Fordland quadrangle (see Bull. 898-B, pp. 244-245).

\*\*Erroneously published in Bull. 898-B as 1424.52 feet.

\*\*\*Description as here given supersedes that published in Bull. 898-B.

Northview, 6.3 mi. S. of, 1.5 mi. E., thence 8.5 mi. N. from Rogersville, near S. sixteenth cor. between secs. 10 and 11, T. 29 N., R. 19 W., 25 ft. S. and 26 ft. W. from T-rd. W., 6 ft. S. and 2 ft. E. from small oak tree in fence corner, in concrete post; standard tablet stamped "T T 30 W 1931" *	Feet 1,464.237
Northview, 5.1 mi. S. of, in SW 1/4 sec. 2, T. 29 N., R. 19 W., opposite gate in front of dwelling of C. W. Brooks, in root on E. side of twin red-elm tree; copper nail and washer *	1,378.98
Northview, 3.7 mi. S. of, 0.8 mi. N. of quarter cor. between secs. 3 and 10, T. 29 N., R. 19 W., near rd. corner from E.-N., in SW. corner of yard of C. C. Woodruff, on old J. D. McDowell farm, in root on SW. side of 48-in. red-elm tree; copper nail and washer *	1,320.78
Northview, 2.9 mi. S. of, in NE 1/4 sec. 4, T. 29 N., R. 19 W., 650 ft. N. of old Dallas School, 100 ft. W. of rd. forks, 49 ft. W. of small concrete culvert, on property of Otto Brooks, in concrete post; standard tablet stamped "T T 29 W 1931" *	1,305.244
Reference mark, 45 ft. E. of tablet, on S. head wall of concrete culvert; chiseled square	1,305.04

(Continued in Strafford quadrangle; see line 1.)

4. FROM ROGERSVILLE WEST ALONG U.S. HIGHWAY 60 TO CODY, THENCE SOUTH ALONG COUNTY ROUTE C TO LINDEN, THENCE SOUTHEAST INTO FORSYTH NO. 1 QUADRANGLE (by E. W. Gouchenour in 1931)

U.S.C. & G.S. standard disk stamped "B 6 1928"	1,463.314
Rogersville, 0.8 mi. W. of, near quarter cor. between secs. 13 and 24, T. 28 N., R. 20 W., 25 ft. N. and 40 ft. E. from cross rd., in root on S. side of 24-in. post-oak tree; copper nail and washer	1,469.90
Rogersville, 2.1 mi. W. of, W. sixteenth cor. between secs. 14 and 23, T. 28 N., R. 20 W., 15 ft. N. and 10 ft. W. from junction of rd. N., on W. head wall of concrete culvert; chiseled square	1,454.78
Cody, cor. secs. 15, 16, 21, and 22, T. 28 N., R. 20 W., 100 ft. S. and 40 ft. W. from intersection of County Route K to N. and County Route C to S., at NW. corner of yard of Harmony Baptist Church, in concrete post; standard tablet stamped "63 G 1931"	1,428.588
Reference mark, 60 ft. N. and 50 ft. E. from tablet, on E. head wall of concrete culvert; chiseled square	1,429.14
Cody, 1 mi. S. of, cor. secs. 21, 22, 27, and 28, T. 28 N., R. 20 W., 200 ft. S. and 20 ft. E. from cross rd., in root on W. side of 15-in. black-oak tree; copper nail and washer	1,428.27
Cody, 2 mi. S. of, cor. secs. 27, 28, 33, and 34, T. 28 N., R. 20 W., on Christian-Greene county line, 150 ft. S. and 15 ft. W. from junction of rd. W., in root on E. side of 20-in. black-oak tree; copper nail and washer	1,401.17
Cody, 3 mi. S. of, cor. secs. 3, 4, 33, and 34, Tps. 27 and 28 N., R. 20 W., 20 ft. S. and 15 ft. W. from junction of rd. W., 4 ft. S. and 4 ft. W. from fence corner, in concrete post; standard tablet stamped "64 G 1931"	1,317.410
Reference mark, 250 ft. S. of tablet, 15 ft. W. of rd., in root on W. side of 20-in. white-oak tree; copper nail and washer	1,310.77
Cody, 4.1 mi. SE. of, center sec. 4, T. 27 N., R. 20 W., 140 ft. S. and 15 ft. E. from curve in highway from E.-S., in root on W. side of 30-in. white-oak tree; copper nail and washer	1,339.86
Linden, 0.5 mi. N. of, near center sec. 9, T. 27 N., R. 20 W., at curve in highway from N.-SW., in root on NW. side of 30-in. black-oak tree; copper nail and washer	1,312.90
Linden, 0.2 mi. SE. of, near quarter cor. between secs. 9 and 16, T. 27 N., R. 20 W., 25 ft. W. of rd. fork S., in concrete post; standard tablet stamped "65 G 1931"	1,162.329
Reference mark, 18 ft. N. and 15 ft. W. from tablet, in root on N. side of 20-in. ash tree; copper nail and washer	1,163.35
Linden, 1.6 mi. SE. of, on Sparta rd., in SW 1/4 SE 1/4 sec. 15, T. 27 N., R. 20 W., 20 ft. S. of rd. at W. gatepost of driveway to dwelling of Charles Farmer, in root on E. side of 12-in. wild-cherry tree; copper nail and washer	1,329.97
Sparta, 2.3 mi. NW. of, in NW 1/4 sec. 23, T. 27 N., R. 20 W., 21 ft. S. and 25 ft. E. from junction of Linden and Rogersville rds., 3 ft. N. of NW. corner of old barn, in concrete post; standard tablet stamped "66 G 1931"	1,310.380
Reference mark, 30 ft. N. and 4 ft. W. from tablet, in root on NE. side of 12-in. maple tree; copper nail and washer	1,309.47
Sparta, 1.2 mi. NW. of, on Rogersville rd., in SE 1/4 sec. 23, T. 27 N., R. 20 W., 30 ft. W. of rd., in barnyard of farm of C. F. Bledsoe, in root on E. side of 30-in. locust tree; copper nail and washer	1,364.89

(Continued in Forsyth No. 1 quadrangle; see line 3.)

5. FROM SEC. 13, T. 28 N., R. 20 W., SOUTHWEST AND WEST INTO REPUBLIC QUADRANGLE (by O. F. Hodgdon in 1934)

Rogersville West Base triangulation sta.; U.S.C. & G.S. standard disk	1,487.330
Cody, 2.1 mi. E. of, along U.S. Highway 60, 720 ft. E. of cor. secs. 13, 14, 23, and 24, T. 28 N., R. 20 W., 44 ft. S. of highway, on property of Claude Watts, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "161 C W A 1934"	1,481.616
Cody, 2 mi. E. and 0.9 mi. S. from, 665 ft. N. and 287 ft. W. from cor. secs. 23, 24, 25, and 26, T. 28 N., R. 20 W., on property of C. C. Humbolt, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "162 C W A 1934"	1,463.122

\*Description as here given supersedes that published in Bull. 898-B.

	<u>Feet</u>
T. 28 N., R. 20 W., 415 ft. N. and 25 ft. E. from S. sixteenth cor. between secs. 25 and 26, 70 ft. NW. of NW. corner of barn, in root on W. side of 18-in. oak tree; copper nail and washer	1,461.03
T. 28 N., R. 20 W., in NE 1/4 SE 1/4 sec. 26, 0.3 mi. N. of Christian-Greene county line, on property of Oscar V. Webster, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "163 C W A 1934"	1,461.092
T. 28 N., R. 20 W., 225 ft. N. and 25 ft. E. from quarter cor. between secs. 35 and 36, 100 ft. NE. of NE. corner of stucco garage, in root on W. side of 30-in. oak tree; copper nail and washer	1,428.02
T. 28 N., R. 20 W., quarter cor. between secs. 35 and 36, 16 ft. S. and 985 ft. W. from crossroads, on property of Mrs. Alice Klassee, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "164 C W A 1934"	1,438.053
T. 28 N., R. 20 W., center sec. 35, 350 ft. S. and 35 ft. W. from rd. corner, in root on NE. side of 30-in. oak tree; copper nail and washer	1,404.40
T. 27 N., R. 20 W., 336 ft. S. and 873 ft. E. from quarter cor. between secs. 2 and 3, 740 ft. E. of rd., on property of Ival Baumgardner, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "165 C W A 1934"	1,401.694
Reference mark, 125 ft. NW. of tablet, on SW. corner of concrete foundation of barn; chiseled square	1,395.14
T. 27 N., R. 20 W., in SE 1/4 NW 1/4 sec. 3, 25 ft. N. and 510 ft. E. from T-rd. N., on property of Dan Keller, 30 ft. SW. of SW. corner of dwelling, in root on S. side of 25-in. walnut tree; copper nail and washer	1,377.96
T. 27 N., R. 20 W., quarter cor. between secs. 4 and 9, 65 ft. N. and 10 ft. E. from front yard of T. J. Potter, in root on NW. side of 24-in. black-oak tree; copper nail and washer	1,339.69
T. 27 N., R. 20 W., 977 ft. N. and 1,511 ft. E. from quarter cor. between secs. 4 and 9, on property of T. J. Potter, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "166 C W A 1934"	1,361.793
T. 27 N., R. 20 W., in SE 1/4 sec. 5, 400 ft. N. of rd. corner, at steel bridge; SE. corner of concrete abutment	1,200.92
T. 27 N., R. 20 W., 162 ft. N. and 536 ft. W. from cor. secs. 5, 6, 7, and 8, on property of Sarah Jane Campbell, in concrete post; standard tablet stamped "167 C W A 1934"	1,310.384
Reference mark, 125 ft. SE. of tablet, in root on W. side of 22-in. sycamore tree; copper nail and washer	1,305.14
T. 27 N., R. 20 W., on line between secs. 6 and 7, 335 ft. N. and 200 ft. E. from curve in rd. S., in root on E. side of 15-in. walnut tree; copper nail and washer	1,232.17
T. 27 N., R. 20 W., E. sixteenth cor. between secs. 1 and 12, 15 ft. N. and 15 ft. E. from crossroads, about 20 in. above ground, in S. side of 15-in. corner fence post; copper nail and washer	1,311.82
T. 27 N., R. 21 W., 763 ft. N. of W. sixteenth cor. between secs. 1 and 12, at NE. edge of timber, on property of George Breazeal, in concrete post; standard tablet stamped "168 C W A 1934"	1,346.269
Reference mark, 108 ft. SW. of tablet, 10 ft. W. of fence, in root on E. side of 15-in. black-oak tree; copper nail and washer	1,343.12
T. 27 N., R. 21 W., quarter cor. between secs. 2 and 3, 19 ft. S. and 20 ft. W. from T-rd. N., in root on N. side of 30-in. oak tree; copper nail and washer	1,330.03
T. 27 N., R. 21 W., 500 ft. E. of quarter cor. between secs. 3 and 4, 0.4 mi. W. of U.S. Highway 65, on NW. corner of N. head wall of concrete culvert; chiseled square	1,272.47
T. 27 N., R. 21 W., in NE 1/4 sec. 4, 35 ft. E. of T-rd., 12 ft. S. and 28 ft. E. from S. end of E. head wall of concrete bridge, on NW. corner of N. head wall of concrete culvert; chiseled square	1,251.24
Cassidy, near quarter cor. between secs. 4 and 5, T. 27 N., R. 21 W., 25 ft. S. and 30 ft. E. from T-rd. E., 356 ft. N. and 30 ft. E. from St. Louis-San Francisco Ry. at rd. crossing, in concrete post; standard tablet stamped "169 C W A 1934"	1,253.696
T. 28 N., R. 21 W., in SW 1/4 sec. 33, 30 ft. S. and 30 ft. E. from crossroads, in root on W. side of 30-in. oak tree; copper nail and washer	1,264.47

(Continued in Republic quadrangle; see line 4.)

6: FROM REPUBLIC QUADRANGLE EAST ALONG COUNTY ROUTE D TO ST. LOUIS-SAN FRANCISCO RAILWAY (by O. F. Hodgdon in 1934)  
(Continued from Republic quadrangle; see line 5.)

Springfield, 1 mi. E. of E. limits of, in NW 1/4 sec. 33, T. 29 N., R. 21 W., 32 ft. S. and 560 ft. E. from junction of Oak Grove Lane N., 68 ft. E. of yard fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "109 C W A 1934"	1,352.447
Reference mark, 12 ft. N. and 294 ft. W. from tablet, on top of S. parapet wall of concrete culvert; chiseled square	1,342.53
T. 29 N., R. 21 W., cor. secs. 27, 28, 33, and 34, 600 ft. W. of highway at cross rd.; SE. corner of S. head wall of culvert	1,344.11
T. 29 N., R. 21 W., E. sixteenth cor. between secs. 27 and 34, 20 ft. E. of highway at rd. N.; top of SE. corner of S. head wall of concrete culvert	1,286.91
U.S.C. & G.S. standard disk stamped "W 5 1928"	1,175.759

7. FROM SEC. 21, T. 29 N., R. 21 W., NORTH TO ST. LOUIS-SAN FRANCISCO RAILWAY (by O. F. Hodgdon in 1934)
- T. 29 N., R. 21 W., in SW 1/4 sec. 21, 35 ft. N. and 10 ft. E. from Oak Grove Lane at Grand Street Road, on E. concrete head wall of 18-in. iron pipe culvert; chiseled square  
U.S.C. & G.S. standard disk stamped "T 5 1928" Feet  
1,352.98  
1,345.365
8. FROM STRAFFORD QUADRANGLE AT SEC. 8, T. 29 N., R. 20 W., SOUTHEAST TO POINT ABOUT 2 MILES WEST OF ROGERSVILLE (by G. H. Chapman in 1934)  
(Continued from Strafford quadrangle; see line 4.)
- T. 29 N., R. 20 W., in NE 1/4 NE 1/4 sec. 8, on top of small ridge, 90 ft. W. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,420.680
- T. 29 N., R. 20 W., in SW 1/4 SW 1/4 sec. 16, 380 ft. S. of SW. corner of dwelling on property of D. D. Clifton, 36 ft. N. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,373.591
- T. 29 N., R. 20 W., in NW 1/4 sec. 21, 126 ft. N. of NE. corner of dwelling on property of W. T. Richards, 86 ft. E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,359.900
- Gody, 4.5 mi. N. of, in NE 1/4 SE 1/4 sec. 28, T. 29 N., R. 20 W., 12 ft. E. of fence E. of Rock Bridge rd., in W. edge of grove of trees at top of ridge, on property of F. T. Dilhard, in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,375.640
- Gody, 3.5 mi. N. of, in SW 1/4 NE 1/4 sec. 34, T. 29 N., R. 20 W., 185 ft. NE. of NE. corner of dwelling on property of G. A. Cunningham, 165 ft. E. of rd., 4-ft. (41 ? ft.) N. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,428.696
- T. 28 N., R. 20 W., in SE 1/4 SE 1/4 sec. 2, 172 ft. NE. of NE. corner of dwelling on estate of Owen Pickel, 42 ft. E. of N.-S. rd., 31 ft. S. of E.-W. rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,465.572  
1,424.994
- U.S.C. & G.S. standard disk stamped "A 6 1928"
- T. 28 N., R. 20 W., cor. secs. 11, 12, 13, and 14, 600 ft. NE. of dwelling, 674 ft. E. of fence corner, 20 ft. N. of rd., on property of J. L. Pickel, in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,459.495
9. FROM STRAFFORD QUADRANGLE SOUTH ALONG NORTH PART OF WEST BORDER TO SEC. 20, T. 29 N., R. 21 W. (by Robert D. Moore and I. C. Cassill in 1934)  
(Continued from Strafford quadrangle; see line 5.)
- T. 29 N., R. 21 W., cor. secs. 4, 5, 8, and 9, U.S. Highway 66 at rd. N.; chiseled square 1,381.95
- T. 29 N., R. 21 W., center sec. 9, 40 ft. N. and 9 ft. E. from Packers rd. at rd. E., 548 ft. S. and 9 ft. E. from St. Louis-San Francisco Ry. at rd. crossing, on E. head wall of concrete culvert; chiseled square 1,372.63
- T. 29 N., R. 21 W., in NW 1/4 sec. 16, about 0.3 mi. S. of Division Street rd. at rd. S., 9 ft. E. of rd., on E. head wall of concrete culvert; chiseled square 1,357.58
- Springfield, about 1 mi. E. of E. limits of, in NE 1/4 sec. 20, T. 29 N., R. 21 W., 40 ft. S. and 164 ft. E. from Mill Street rd. at Oak Grove Lane, 49 ft. N. and 79 ft. E. from NE. corner of dwelling, in concrete post; U.S.C. & G.S. and State Survey standard tablet; stamped "108 C.W A 1934" 1,344.238
- Reference mark, in root on W. side of 16-in. catalpa tree (fourth one from N. end of row of trees); copper nail and washer 1,344.13
10. FROM FORDLAND QUADRANGLE AT SEC. 26, T. 27 N., R. 19 W., WEST ALONG STATE HIGHWAY 14 INTO FORSYTH NO. 1 QUADRANGLE (by B. A. Barnes in 1935)
- Bruner, 1.3 mi. W. of, in NW 1/4 NW 1/4 sec. 27, T. 27 N., R. 19 W., 29 ft. S. of highway, in root of 18-in. white-oak tree; copper nail and washer 1,481.24
- Bruner, 2.1 mi. W. of, in NE 1/4 NW 1/4 sec. 28, T. 27 N., R. 19 W., 250 ft. E. of junction of rd. S., on S. head wall of concrete culvert; chiseled square 1,415.08
- Sparta, 2.8 mi. NE. of, about 520 ft. S. of quarter cor. between secs. 20 and 29, T. 27 N., R. 19 W., 33 ft. N. and 10 ft. W. from cross rd., in concrete post; standard tablet stamped "1381 E R A 1935" 1,451.933
- Sparta, 2.2 mi. NE. of, in NE 1/4 sec. 30, T. 27 N., R. 19 W., 64 ft. N. of highway, in root of 18-in. walnut tree; copper nail and washer 1,398.13
- Sparta, 0.2 mi. E. of, in NW 1/4 NE 1/4 sec. 36, T. 27 N., R. 20 W., 69 ft. S. of highway, 50 ft. W. of County Route A, in root of 13-in. white-oak tree; copper nail and washer 1,423.46
11. FROM OZARK SOUTH AND WEST INTO REPUBLIC QUADRANGLE (by Charles E. Hunter in 1936)
- U.S.C. & G.S. standard disk stamped "P 64 1934" 1,263.141
- U.S.C. & G.S. standard disk stamped "N 64 1934" 1,177.691

Ozark, 1 mi. S. of, along U.S. Highway 65, in SW 1/4 sec. 26, T. 27 N., R. 21 W., 60 ft. N. and 50 ft. W. from cross rd., 75 ft. S. of Sunset Inn, on head wall of concrete culvert; chiseled square Feet  
1,329.07

Ozark, 1 mi. S., thence 1 mi. W. from, W. sixteenth cor. between secs. 27 and 34, T. 27 N., R. 21 W., 26 ft. S. and 15 ft. W. from T-rd. S., 10 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "2012 E R A 1935" 1,277.989

(For balance in Forsyth No. 1 quadrangle, see line 5.)

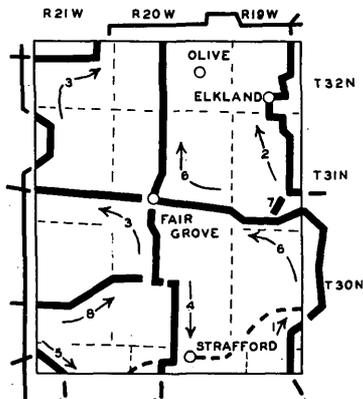
Ozark, 3.4 mi. SW. of, in NW 1/4 sec. 33, T. 27 N., R. 21 W., 20 ft. N. of T-rd. S., in root on SE. side of 12-in. elm tree; copper nail and washer 1,122.57

(Continued in Republic quadrangle; see line 11.)

For additional level lines along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey first-order line, Monett, Mo. to Memphis, Tenn.; and second-order lines, Springfield to Forsyth and Springfield to Lebanon.

STRAFFORD QUADRANGLE  
(Latitude 37°15'-37°30'; longitude 93°00'-93°15')

Dallas, Greene, Polk, and Webster Counties



1. FROM OZARK QUADRANGLE, NEAR SOUTHEAST CORNER OF QUADRANGLE, NORTH AND EAST TO NORTHVIEW IN NIANGUA QUADRANGLE (by E. W. Gouchenour in 1931)\*  
(Continued from Ozark quadrangle; see line 3.)

Northview, 2 mi. S. of, 50 ft. S. and 15 ft. E. from E. end of ford across James River, in root on W. side of 18-in. elm tree; copper nail and washer 1,268.35

Northview, 0.8 mi. S. of, about 0.2 mi. W. of center sec. 35, T. 30 N., R. 19 W., 22 ft. S. and 10 ft. W. from SW. corner of triangle formed by rd. fork SE., in root on SE. side of 24-in. black-oak tree; copper nail and washer 1,399.93

Northview, 23 ft. S. and 59 ft. W. from St. Louis-San Francisco Ry. at rd. crossing, 22 ft. S. and 1 ft. E. from NE. corner of mill and feed store, in concrete post; standard tablet stamped "T T 28 W 1931" 1,439.171

Reference mark, on S. end of bottom concrete step to feed store; chiseled square 1,439.38

2. FROM NIANGUA QUADRANGLE, AT POINT NEAR CENTER OF EAST BORDER OF QUADRANGLE, NORTH BY WAY OF ELKLAND INTO BUFFALO QUADRANGLE (by L. V. Johnson in 1932)\*\*

Sand Spring School, 68 ft. S. of SE. corner of, near quarter cor. between secs. 23 and 26, T. 31 N., R. 19 W., 28 ft. N. and 72 ft. W. from T-rd. N., in concrete post; standard tablet stamped "T T 125 B 1932" 1,418.786

Reference mark, 28 ft. E. of tablet, in root on S. side of 12-in. oak tree; copper nail and washer 1,417.75

Sand Spring School, about 0.5 mi. W. of, near cor. secs. 22, 23, 26, and 27, T. 31 N., R. 19 W., 18 ft. S. and 20 ft. E. from crossroads, in root on N. side of 12-in. oak tree; copper nail and washer 1,437.54

Sand Spring School, about 1.5 mi. NW. of, near cor. secs. 14, 15, 22, and 23, T. 31 N., R. 19 W., 15 ft. S. and 16 ft. W. from T-rd. E., 8 ft. S. of T-fence W., in S. end of wooden brace to corner post; copper nail and washer 1,333.32

T. 31 N., R. 19 W., near cor. secs. 10, 11, 14, and 15, 15 ft. S. and 15 ft. W. from T-rd. S., at fence corner, on base of concrete post; chiseled square 1,238.98

\*Line 1 of Niangua quadrangle includes a portion of this line (see Bull. 898-B, p. 248).  
\*\*Line 3 of Niangua quadrangle includes a portion of this line (see Bull. 898-B, p. 250).

	<u>Feet</u>
T. 31 N., R. 19 W., near quarter cor. between secs. 10 and 15, 38 ft. N. and 20 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T 126 B 1932" (Reset 51 ft. S. and 15 ft. E. from above described location by A. C. McCutchen, April 13, 1936. Given elevation is for new location.)	1,319.781
Reference mark, 15 ft. S. and 17 ft. E. from T-rd. E., at fence corner, on top of concrete post; chiseled square	1,323.43
T. 31 N., R. 19 W., near quarter cor. between secs. 9 and 16, 20 ft. W. of rd. fork E., in root on NW. side of 15-in. oak tree; copper nail and washer	1,335.64
Elkland, 1 mi. S. of, near W. sixteenth cor. between secs. 4 and 9, T. 31 N., R. 19 W., 25 ft. N. and 20 ft. W. from T-rd. W., in root on SE. side of 15-in. oak tree; copper nail and washer	1,322.42
Elkland, 0.2 mi. E. of, 45 ft. N. and 72 ft. E. from T-rd. S., 26 ft. N. of rd., 15 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 127 B 1932"	1,335.512
Reference mark, 60 ft. N. and 25 ft. E. from T-rd. N. at Elkland, at SW. corner of store and post office, on concrete porch; chiseled square	1,342.74
Elkland, 1 mi. N. of, near cor. secs. 28, 29, 32, and 33, T. 32 N., R. 19 W., 75 ft. S. and 18 ft. E. (?) from T-rd. S., in fence line, in root on NE. side of twin oak tree; copper nail and washer	1,362.47
Elkland triangulation sta.; U.S.C. & G.S. standard disk stamped "Elkland 1928"	1,389.113
Reference mark 2; U.S.C. & G.S. standard reference disk	1,388.204
Elkland, 2 mi. N. and 1 mi. E. from, near cor. secs. 21, 22, 27, and 28, T. 32 N., R. 19 W., 5 ft. S. and 15 ft. W. from rd. corner W.-N., in root on SW. side of 12-in. oak tree; copper nail and washer	1,270.16
Elkland, 4 mi. NE. of, 15 ft. S. and 5 ft. E. from rd. corner E.-N. at cor. secs. 15, 16, 21, and 22, T. 32 N., R. 19 W., on Dallas-Webster county line, 6 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 128 B 1932"	1,208.657

(Continued in Buffalo quadrangle; see line 2.)

3. FROM POINT ABOUT 4 MILES NORTHWEST OF STRAFFORD NORTH TO FAIR GROVE, THENCE WEST TO WEST BORDER OF QUADRANGLE, THENCE NORTH TO NORTHWEST CORNER, THENCE EAST AND NORTH INTO BUFFALO QUADRANGLE AT SEC. 11, T. 32 N., R. 21 W. (by K. L. Dooley and G. R. Hamlin in 1934)

Strafford triangulation sta.; U.S.C. & G.S. standard disk stamped "Strafford"	1,517.793
T. 30 N., R. 20 W., near NE. cor. sec. 21, 628 ft. W. of Fair Grove-Strafford rd., 600 ft. W. of dwelling, 13 ft. S. of lane, 3 ft. S. of fence S. of lane, on Braman property, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,406.669
T. 30 N., R. 20 W., cor. secs. 16, 17, 20, and 21, 22 ft. N. and 31 ft. E. from stone at crossroads, 38 ft. S. and 34 ft. W. from SW. corner of dwelling on property of Mrs. Anna Walters, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,399.529
T. 30 N., R. 20 W., in NE 1/4 sec. 17, on high wooded ridge, 27 ft. S. of wood rd., 180 ft. N. of fence, 48 ft. W. of fence E. of N.-S. rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,424.396
T. 30 N., R. 20 W., near S. sixteenth cor. between secs. 4 and 5, 618 ft. S. of S. concrete head wall of steel bridge, 98 ft. N. of E.-W. fence, 32 ft. W. of N.-S. fence W. of rd., 24 ft. NW. of power-line pole, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,257.855
T. 30 N., R. 20 W., about 0.1 mi. S. of quarter cor. between secs. 4 and 5, 602 ft. S. of fence S. of E.-W. rd., 5 ft. W. of fence W. of N.-S. rd., 56 ft. NE. of power-line pole, on property of C. C. Huff, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,241.987
T. 30 N., R. 20 W., in NE 1/4 sec. 5, 182 ft. N. of fence N. of E.-W. rd., 5 ft. E. of fence E. of N.-S. rd., 109 ft. S. of power-line pole, on property of J. A. Wallace, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,266.055
T. 31 N., R. 20 W., in NE 1/4 sec. 32, 13 ft. E. of fence E. of N.-S. rd., 2 ft. N. of E.-W. fence, 49 ft. SE. of power-line pole, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,319.018
Fair Grove, about 0.2 mi. SW. of, in SE 1/4 sec. 29, T. 31 N., R. 20 W., 45 ft. SW. of SW. corner of concrete foundation of dwelling on property of Charles Lee, 8 ft. NE. of 14-in. oak tree at SE. corner of garden, 2 ft. E. of fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,248.439
Fair Grove, about 0.5 mi. W. of, in NW 1/4 sec. 29, T. 31 N., R. 20 W., 177 ft. S. of E.-W. fence, 4 ft. E. of N.-S. fence, 18 ft. SE. of 26-in. wild-cherry tree, on property of Homer Caddy, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,225.314
T. 31 N., R. 20 W., in SW 1/4 sec. 30, 404 ft. W. of fence W. of rd. S. to U.S. Highway 65, 48 ft. SE. of fence corner NE. of jug in rd., 4 ft. SE. of fence corner SE. of jog, on property of Claude Burdett, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,235.213
T. 31 N., R. 21 W., near center of W 1/2 sec. 25, about 750 ft. W. of barn of Edward Leech, 156 ft. SE. of fence corner, 117 ft. E. of N.-S. fence, 40 ft. N. of E.-W. fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,251.919
T. 31 N., R. 21 W., 476 ft. W. of N. sixteenth cor. sec. 26, on property of Fred McCann, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,315.569

T. 31 N., R. 21 W., in SW 1/4 sec. 22, 264 ft. W. of rd., 47 ft. SW. of SW. corner of dwelling of R. R. Tankersley, 131 ft. S. 55° E. of dwelling of Mrs. Bessie Durham, 78 ft. E. of 10-in. black-oak tree, 34 ft. N. of fence S. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet Feet  
1,264.199

(For balance in Morrisville quadrangle, see line 2.)

T. 31 N., R. 21 W., in S 1/2 sec. 9, 500 ft. N. of large hill, 35 ft. E. of 14-in. white-oak tree, on NW. corner of W. head wall of concrete culvert; chiseled square 1,195.76

T. 31 N., R. 21 W., near center sec. 9, at SW. corner of T-rd., in fence corner, in root of 12-in. walnut tree; copper nail and washer 1,154.95

T. 31 N., R. 21 W., in S 1/2 sec. 4, W. of rd. junction, 150 ft. S. of large dwelling, in root of 18-in. white-oak tree; copper nail and washer 1,143.01

(For balance in Morrisville quadrangle, see line 2.)

T. 32 N., R. 21 W., in sec. 16, S. of rd., 350 ft. E. of dwelling, 156 ft. E. of private rd. N. to dwelling, in root on W. side of 30-in. white-oak tree; copper nail and washer 1,118.75

T. 32 N., R. 21 W., near W. sixteenth cor. sec. 15, 150 ft. N. and 30 ft. S. (?) from rd. corner, in root on S. side of 14-in. elm tree; copper nail and washer 1,142.69

T. 32 N., R. 21 W., quarter cor. between secs. 14 and 15, 24 ft. S. and 20 ft. E. from T-rd. S., 4 ft. S. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "178 C W A 1934" 1,189.350

T. 32 N., R. 21 W., near quarter cor. between secs. 13 and 14, 25 ft. S. of E.-W. rd., 18 ft. W. of N.-S. rd., 50 ft. NE. of dwelling of H. F. Miller, in yard, in root of twin 10-in. maple tree; copper nail and washer 1,203.77

(Continued in Buffalo quadrangle; see line 5.)

4. FROM POINT ABOUT 4 MILES NORTHWEST OF STRAFFORD SOUTH INTO OZARK QUADRANGLE (by G. H. Chapman in 1934)

T. 30 N., R. 20 W., in NE 1/4 sec. 21, 24 ft. N. and 38 ft. W. from rd. at lanes E. and W., on property of B. F. Bramer, in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,406.954

T. 30 N., R. 20 W., in NW 1/4 sec. 27, 28 ft. S. and 48 ft. E. from crossroads, 62 ft. NW. of dwelling on property of James Love, in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,404.237

T. 30 N., R. 20 W., in W 1/2 sec. 27, 147 ft. SW. (SE.?) of SE. corner of dwelling W. of rd., 56 ft. E. of rd., on N. line of property of Frank Delf, in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,443.854

T. 30 N., R. 20 W., in NW 1/4 sec. 34, 214 ft. NE. of NE. corner of dwelling W. of rd., 22 ft. E. of rd., on property of Frank Delf, in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,495.930

T. 30 N., R. 20 W., in SE 1/4 sec. 33, 64 ft. NE. of NE. corner of dwelling of Robert Campbell, 51 ft. W. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,483.875

T. 29 N., R. 20 W., in NW 1/4 sec. 4, about 0.4 mi. W. of St. Louis-San Francisco Ry. signal 2283, 48 ft. SW. of track, 4 ft. N. of fence S. of track, in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,455.675

T. 29 N., R. 20 W., in NE 1/4 sec. 5, 112 ft. NE. of NE. corner of dwelling of E. L. Vinton, 56 ft. W. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,444.051

T. 29 N., R. 20 W., in NW 1/4 sec. 4, 12 ft. NE. of NE. corner of dwelling of Mrs. S. L. Appleby, 29 ft. E. of rd., in concrete post; U.S.C. & G.S. and State Survey standard tablet 1,429.891

(Continued in Ozark quadrangle; see line 8.)

5. FROM MORRISVILLE QUADRANGLE, NEAR SOUTHWEST CORNER OF QUADRANGLE, SOUTH AND EAST INTO OZARK QUADRANGLE (by Robert D. Moore and I. C. Cassil in 1934)

(Continued from Morrisville quadrangle; see line 4.)

T. 29 N., R. 21 W., in NE 1/4 sec. 5, 659 ft. S. and 27 ft. W. from Buttermilk rd. at White rd. W., 18 ft. S. and 75 ft. E. from cobblestone porch of dwelling of A. G. Sheryp, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "107 C W A 1934" 1,308.273  
Reference mark, on porch steps; NE. corner of S. concrete cap 1,311.20

(Continued in Ozark quadrangle; see line 9.)

6. FROM NORTHVIEW IN NIANGUA QUADRANGLE NORTH TO POINT NEAR MIDDLE OF EAST BORDER OF QUADRANGLE, THENCE WEST TO FAIR GROVE, THENCE NORTH INTO BUFFALO QUADRANGLE AT SEC. 16, T. 32 N., R. 20 W., (by Cornish Beck in 1935) \*

	<u>Feet</u>
T. 30 N., R. 19 W., in SW 1/4 sec. 23, on U.S. Highway 66, on N. wing wall of bridge G-699; chiseled square	1,294.76
T. 30 N., R. 19 W., near S. sixteenth cor. sec. 14, 80 ft. S. and 22 ft. E. from rd. at E.-W. fences, 20 ft. N. and 22 ft. E. from rd. at driveway to dwelling of C. A. Hawkins, in root on W. side of 20-in. water-oak tree; copper nail and washer	1,382.14
T. 30 N., R. 19 W., about 455 ft. S. of center sec. 11, 20 ft. N. and 25 ft. E. from T-rd. E., 7 ft. S. and 122 ft. E. from dwelling of Mary Barnhart, in concrete post; standard tablet stamped "1296 E R A 1935"	1,356.366
T. 30 N., R. 19 W., near cor. secs. 1, 2, 11, and 12, 30 ft. N. and 80 ft. W. from crossroads, in root on E. side of 18-in. post-oak tree; copper nail and washer	1,407.18
T. 31 N., R. 19 W., near SW. cor. sec. 36, about 110 ft. N. of E.-W. rd. on township line, 40 ft. E. of N.-S. rd., 21 ft. N. of County Route H at curve, on NE. end of iron pipe culvert; painted cross	1,442.09
T. 31 N., R. 19 W., 39 ft. S. and 123 ft. W. from rd. at fence S. at approximate center sec. 35, 18 ft. N. and 46 ft. W. from NW. corner of dwelling of H. J. Koby, 3 ft. E. of garden fence, in concrete post; standard tablet stamped "1297 E R A 1935"	1,406.718
T. 31 N., R. 19 W., near center sec. 34, on NE. corner of concrete bridge; chiseled square	1,327.59
T. 31 N., R. 19 W., near quarter cor. between secs. 33 and 34, 28 ft. S. of County Route E at curve, 15 ft. N. of junction of rd. E., on N. end of pipe culvert; painted cross	1,353.10
T. 31 N., R. 19 W., near NE. cor. sec. 32, at NW. corner of concrete bridge, on guardrail; chiseled square	1,328.90
T. 31 N., R. 19 W., in NE 1/4 sec. 32, 41 ft. N. and 55 ft. W. from NW. corner of dwelling of W. F. Moore, 30 ft. S. of rd., in concrete post; standard tablet stamped "1298 E R A 1935"	1,385.554
T. 31 N., R. 19 W., about 380 ft. W. of E. sixteenth cor. between secs. 30 and 31, 25 ft. S. of rd., 3 ft. N. and 6 ft. W. from yard gate of W. H. Harwood, in root on N. side of 18-in. walnut tree; copper nail and washer	1,364.16
T. 31 N., R. 19 W., near S. sixteenth cor. on W. line sec. 30, on Greene-Webster county line, 8 ft. N. of rd. corner at dim rd. N., on head wall of concrete culvert; chiseled square	1,329.94
Fair Grove, 3.4 mi. E. of, 0.2 mi. N. of cor. secs. 25, 26, 35, and 36, T. 31 N., R. 20 W., 34 ft. N. and 2 ft. E. from rd. at fence N., 51 ft. S. and 76 ft. W. from SW. corner of dwelling of R. R. Thompson, in concrete post; standard tablet stamped "1299 E R A 1935"	1,237.111
Fair Grove, about 2.5 mi. E. of, in SW 1/4 sec. 26, T. 31 N., R. 20 W., at dwelling owned by Willard Wommack, on SE. corner of concrete walk; painted square	1,144.54
Fair Grove, about 2 mi. E. of, in E 1/2 sec. 27, T. 31 N., R. 20 W., 18 ft. NE. of NE. corner of bridge over Pomme de Terre River; chiseled square	1,109.11
Fair Grove, about 1 mi. E. of, near E. sixteenth cor. sec. 28, T. 31 N., R. 20 W., 25 ft. N. and 60 ft. E. from T-rd. N., 3 ft. S. of yard fence, in root on W. side of 24-in. walnut tree; copper nail and washer	1,196.47
Fair Grove, at NW. corner of yard of Baptist Church, on NW. corner of sidewalk; chiseled square	1,249.62
Fair Grove, 0.5 mi. NE. of junction of U.S. Highway 65 and County Route J, in NW 1/4 SE 1/4 sec. 20, T. 31 N., R. 20 W., 33 ft. W. of Highway 65, 30 ft. N. of concrete walk, in front yard of dwelling of J. C. Thomas, in root on NE. side of 16-in. maple tree; copper nail and washer	1,257.22
Fair Grove, 2.5 mi. NE. of, along U.S. Highway 65, in NW 1/4 sec. 16, T. 31 N., R. 20 W., 11 ft. S. and 50 ft. E. from junction of private rd. E., in W. end of S. head wall of concrete culvert; standard tablet stamped "1901 E R A 1935"	1,095.040
Fair Grove, about 3.3 mi. N. of, along U.S. Highway 65, near quarter cor. between secs. 8 and 9, T. 31 N., R. 20 W., 45 ft. W. of junction of rd. E., 11 ft. N. of lane W., in root on NE. side of 24-in. water-oak tree; copper nail and washer	1,185.49
Fair Grove, about 4.3 mi. N. of, along U.S. Highway 65, near quarter cor. between secs. 4 and 5, T. 31 N., R. 20 W., in yard of New Garden School, on NE. corner of well platform; painted square	1,214.98
Fair Grove, about 5.3 mi. N. of, along U.S. Highway 65, near quarter cor. between secs. 32 and 33, T. 32 N., R. 20 W., 75 ft. N. and 35 ft. W. from rd. junction, in root on SE. side of 24-in. black-jack-oak tree; copper nail and washer	1,213.20
Olive, 2 mi. W. of, on U.S. Highway 65, cor. secs. 28, 29, 32, and 33, T. 32 N., R. 20 W., 73 ft. N. and 38 ft. E. from junction of rd. E., in concrete post; standard tablet stamped "1902 E R A 1935"	1,228.459
Olive, 2 mi. W., thence about 1 mi. N. from, on U.S. Highway 65, cor. secs. 20, 21, 28, and 29, T. 32 N., R. 20 W., 12 ft. S. and 30 ft. W. from cross rd., on S. head wall of concrete culvert; chiseled square	1,268.80
Olive, 2 mi. W., thence about 2 mi. N. from, on U.S. Highway 65, near cor. secs. 16, 17, 20, and 21, T. 32 N., R. 20 W., 30 ft. N. and 20 ft. W. from NE. corner of fence around High Prairie Church, in root on NE. side of 24-in. Spanish-oak tree; copper nail and washer	1,310.95

\*Line 7 of Niangua quadrangle includes a portion of this line (see Bull. 898-B, p. 251).

## 7. NORTH NEAR MIDDLE OF EAST BORDER OF QUADRANGLE (by Cornish Beck in 1935)

T. 31 N., R. 19 W., near quarter cor. between secs. 27 and 28, 145 ft. S. and 25 ft. E. from County Route E at fences E.-W., in root on W. side of 16-in. black-jack-oak tree; copper nail and washer	Feet 1,429.90
T. 31 N., R. 19 W., in NW 1/4 NE 1/4 sec. 27, 50 ft. S. and 170 ft. E. from church steps, on NE. corner of sidewalk; chiseled square	1,447.36

## 8. FROM MORRISVILLE QUADRANGLE AT SEC. 29, T. 30 N., R. 21 W., EAST TO SEC. 18, T. 30 N., R. 20 W. (by A. R. Friend in 1936)

T. 30 N., R. 21 W., near S. sixteenth cor. sec. 21, 25 ft. N. and 60 ft. W. from T-rd. W., in root on S. side of 16-in. white-oak tree; copper nail and washer	1,306.11
T. 30 N., R. 21 W., 280 ft. N. of quarter cor. between secs. 21 and 28, on property of Hans Niclson, 308 ft. E. of rd., 150 ft. NE. of dwelling, in barnyard, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,318.392
T. 30 N., R. 21 W., about 500 ft. W. of center sec. 28, 12 ft. S. and 24 ft. E. from crossroads near Belleview School, in root on N. side of 30-in. black-oak tree; copper nail and washer	1,309.58
T. 30 N., R. 21 W., in NE 1/4 sec. 27, 70 ft. S. and 12 ft. E. from T-rd. S., in fence line, in root on N. side of 10-in. post-oak tree; copper nail and washer	1,317.97 1,292.03
T-rd. W.; N. end of cylindrical concrete culvert	
T. 30 N., R. 21 W., in SW 1/4 SW 1/4 sec. 23, 15 ft. N. and 50 ft. W. from rd. junction, in fence line, in root on S. side of 10-in. post-oak tree; copper nail and washer	1,300.83
T. 30 N., R. 21 W., near S. sixteenth cor. between secs. 23 and 24, 15 ft. N. and 30 ft. W. from rd. junction, in fence line, in root on S. side of 12-in. elm tree; copper nail and washer	1,233.48
T. 30 N., R. 21 W., near center sec. 24, 22 ft. N. and 15 ft. W. from rd. forks, in SE. corner of yard of R. M. Chandler, in root of 10-in. cedar tree; copper nail and washer	1,309.37
T. 30 N., Rs. 20 and 21 W., near N. sixteenth cor. between secs. 19 and 24, 50 ft. W. of T-rd. N., on top of SE. wing wall of concrete culvert; chiseled square	1,242.62
Rd. forks, 30 ft. N. and 12 ft. E. from, in root of 10-in. post-oak tree; copper nail	1,291.97
T. 30 N., R. 20 W., cor. secs. 17, 18, 19, and 20, at foot of hill, on top of NW. wing wall of culvert; chiseled square	1,315.89

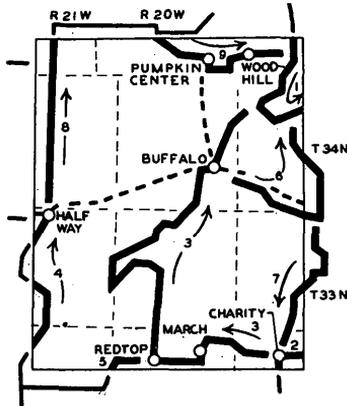
## TIE BETWEEN UNITED STATES COAST AND GEODETIC SURVEY SECOND-ORDER LINE AND UNITED STATES GEOLOGICAL SURVEY THIRD-ORDER LINE NEAR STRAFFORD

U.S.C. & G.S. standard disk stamped "N 111 1935"	1,466.323
T. 29 N., R. 20 W., in NE 1/4 sec. 4, about 0.4 mi. W. of St. Louis-San Francisco Ry. signal 228.3, 48 ft. SW. of track, 4 ft. N. of fence S. of track, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,455.675

For an additional level line along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey second-order line, Springfield to Lebanon.

BUFFALO QUADRANGLE  
(Latitude 37°30'-37°45'; longitude 93°00'-93°15')

Dallas and Polk Counties



1. FROM URBANA QUADRANGLE SOUTHWEST AND EAST INTO LONG LANE QUADRANGLE AT SEC. 10, T. 34 N., R. 19 W. (by George W. Moore in 1931)\*

(Continued from Urbana quadrangle; see line 2.)

	<u>Feet</u>
T. 35 N., R. 19 W., center sec. 27, 15 ft. N. and 45 ft. W. from T-rd. W., in root on SW. side of 19-in. oak tree; copper nail and washer	1,170.26
T. 35 N., R. 19 W., near center of SE 1/4 sec. 27, 114 ft. S. and 14 ft. E. from junction of Bennett Spring State Park rd. and rd. S., on farm of J. M. Adams, in concrete post; standard tablet stamped "109 M 1931"	169.046
Reference mark, 22 ft. N. of tablet, in root on SW. side of 12-in. oak tree; copper nail and washer	1,169.05
T. 35 N., R. 19 W., center of SE 1/4 sec. 34, 18 ft. W. of rd., at S. gatepost to yard of S. E. Pinkerton, in root on E. side of 18-in. hickory tree; copper nail and washer	1,064.85
T. 35 N., R. 19 W., S. quarter cor. sec. 34, 70 ft. S. and 50 ft. W. from T-rd. S., in root on NE. side of 20-in. oak tree; copper nail and washer	1,128.34
T. 34 N., R. 19 W., in N 1/2 sec. 4, on S. bank of small stream, at W. edge of rd., in root on E. side of 18-in. oak tree; copper nail and washer	1,019.74
T. 34 N., R. 19 W., in NE 1/4 sec. 4, 120 ft. N. of T-rd. N., 120 ft. E. of curve in rd., in root on E. side of 15-in. oak tree; copper nail and washer	1,108.59
T. 34 N., R. 19 W., in NW 1/4 sec. 4, 55 ft. S. and 50 ft. W. from rd. forks, in NE. corner of yard of J. E. Wing, in concrete post; standard tablet stamped "110 M 1931"	1,149.220
Reference mark, 166 ft. S. of tablet, at E. edge of rd., in fence line, in root on W. side of 30-in. oak tree; copper nail and washer	1,148.51
T. 34 N., R. 19 W., near center sec. 4, 100 ft. SW. of SW. corner of Mountain View School, in root on NW. side of 16-in. oak tree; copper nail and washer	1,048.60
T. 34 N., R. 19 W., quarter cor. between secs. 4 and 9, 265 ft. N. of rd. corner S.-W., on N. end of W. head wall of concrete culvert; chiseled square	997.81
T. 34 N., R. 19 W., E. sixteenth cor. between secs. 5 and 8, 50 ft. S. of rd. corner E.-S., 15 ft. E. of rd., on W. bank of small stream, in root on SW. side of twin elm tree; copper nail and washer	1,004.17
T. 34 N., R. 19 W., N. sixteenth cor. between secs. 7 and 8, 20 ft. S. and 5 ft. W. from T-rd. N., in root on S. side of 6-in. oak tree; copper nail and washer	1,073.42
Buffalo, 2 mi. N. and 2 mi. E. from, quarter cor. between secs. 7 and 18, T. 34 N., R. 19 W., 18 ft. N. and 39 ft. E. from T-rd. N., 2 ft. N. of fence, in concrete post; standard tablet stamped "T T 18 W 1931"	1,111.906
Reference mark, 35 ft. S. and 58 ft. W. from tablet, 22 ft. W. of T-fence S., in root on S. side of 23-in. oak tree; copper nail and washer	1,114.39
Buffalo, about 2 mi. N. and 2.8 mi. E. from, W. sixteenth cor. between secs. 8 and 17, T. 34 N., R. 19 W., 105 ft. N. and 150 ft. W. from rd. corner E. to S., in SW. corner of yard of Girtie McLuray, in root on S. side of 18-in. elm tree; copper nail and washer	1,068.31
Buffalo, about 2.5 mi. N. and 3.2 mi. E. from, in NE 1/4 NW 1/4 sec. 17, T. 34 N., R. 19 W., on N. parapet wall of E. abutment of bridge over Niangua River; chiseled square	962.79
Buffalo, about 2.5 mi. N. and 4.5 mi. E. from; near center sec. 16, T. 34 N., R. 19 W., 27 ft. S. of rd., at E. gatepost, in root on S. side of 28-in. oak tree; copper nail and washer	1,048.57
Buffalo, 2.5 mi. N. and 5.5 mi. E. from, near W. sixteen th cor. between secs. 10 and 15, T. 34 N., R. 19 W., 40 ft. N. and 270 ft. E. from T-rd. S., 16 ft. S. of rd., 2 ft. S. of fence, in concrete post; standard tablet stamped "T T 19 W 1931"	1,125.661

\*Line 1 of Long Lane quadrangle includes a portion of this line (see Bull. 898-B, pp. 252-253)

	<u>Feet</u>
Reference mark, 28 ft. N. and 5 ft. E. from T-rd. S., in root on SE. side of 24-in. oak tree; copper nail and washer	1,125.95
2. FROM STRAFFORD QUADRANGLE AT SEC. 22, T. 32 N., R. 19 W., NORTH TO CHARITY, THENCE EAST INTO LONG LANE QUADRANGLE AT SEC. 11, T. 32 N., R. 19 W. (by L. V. Johnson in 1932)* (Continued from Strafford quadrangle; see line 2.)	
Charity, 1.3 mi. S. of, cor. secs. 9, 10, 15, and 16, T. 32 N., R. 19 W., 40 ft. S. and 50 ft. E. from rd. fork E., 22 ft. N. of NE. corner of shack, in root on NE. side of 12-in. hickory tree; copper nail and washer	1,173.02
Charity, 0.6 mi. S. of, near quarter cor. between secs. 9 and 10, T. 32 N., R. 19 W., 12 ft. S. and 5 ft. E. from T-rd. N., in root on W. side of large twin oak tree; copper nail and washer	1,180.48
Charity, in SE 1/4 SE 1/4 sec. 4, T. 32 N., R. 19 W., 55 ft. S. of front entrance to general store of O. O. Atteberry, 24 ft. E. of rd., in concrete post; standard tablet stamped "T T 129 B 1932"	1,187.933
Reference mark, 35 ft. N. and 7 ft. E. from tablet, in root on NW. side of 20-in. oak tree; copper nail and washer	1,188.31
Charity, 0.8 mi. E. of, on NW. concrete wing wall of small wooden bridge over branch of Niangua River; chiseled square	1,088.43
3. FROM CHARITY WEST TO REDTOP, THENCE NORTH AND NORTHEAST ALONG U.S. HIGHWAY 65 AND OTHER ROADS BY WAY OF BUFFALO TO SEC. 13, T. 34 N., R. 20 W. (by L. V. Johnson in 1932)	
Charity, 0.7 mi. W. of, W. sixteenth cor. between secs. 4 and 9, T. 32 N., R. 19 W., 43 ft. S. and 16 ft. E. from T-rd. S., in root on W. side of 12-in. oak tree; copper nail and washer	1,253.82
Charity, 1.7 mi. W. of, W. sixteenth cor. between secs. 5 and 8, T. 32 N., R. 19 W., 3 ft. N. and 72 ft. E. from T-rd. S., 5 ft. N. of fence, in root on S. side of triangular-blazed 12-in. oak tree; copper nail and washer	1,292.85
March, 1.7 mi. E. of, W. sixteenth cor. between secs. 6 and 7, T. 32 N., R. 19 W., 25 ft. S. and 10 ft. W. from rd. corner E.-N., in concrete post; standard tablet stamped "T T 130 B 1932"	1,271.943
Reference mark, 20 ft. N. and 45 ft. E. from rd. corner, in root on SW. side of 10-in. oak tree; copper nail and washer	1,272.86
March, 1 mi. E. of, S. sixteenth cor. on E. line sec. 1, T. 32 N., R. 20 W., 18 ft. N. and 5 ft. E. from T-rd. W., on E. concrete head wall of culvert; chiseled square	1,257.94
March, 12 ft. N. and 10 ft. W. from rd. corner S.-W., on concrete head wall of culvert; chiseled square	1,247.92
March, 0.8 mi. W. of, in NE 1/4 SW 1/4 sec. 2, T. 32 N., R. 20 W., 20 ft. E. of E. end of triangle formed by rd. fork N., 15 ft. N. of rd., in root on SE. side of triangular-blazed 12-in. oak tree; copper nail and washer	1,214.94
March, 1.8 mi. W. of, E. sixteenth cor. between secs. 3 and 10, T. 32 N., R. 20 W., 380 ft. S. of ford across creek, 10 ft. S. and 80 ft. E. from rd. forks, 33 ft. SW. of church, in concrete post; standard tablet stamped "T T 131 B 1932"	1,103.273
Reference mark, 60 ft. W. of tablet, on N. end of E. concrete head wall of culvert; chiseled square	1,105.71
Redtop, 2 mi. E. of, cor. secs. 10, 11, 14, and 15, T. 32 N., R. 20 W., 20 ft. S. and 27 ft. E. from T-rd. E., 6 ft. E. of fence corner, in E. end of wooden brace for corner post; copper nail and washer	1,165.36
Redtop, 1.5 mi. E. of, about 300 ft. E. of quarter cor. between secs. 10 and 15, T. 32 N., R. 20 W., 45 ft. S. of SE. corner of farmhouse of O. B. White, 20 ft. N. of rd., in root on SE. side of 12-in. oak tree; copper nail and washer	1,202.66
Redtop, 0.8 mi. E. of, E. sixteenth cor. between secs. 9 and 16, T. 32 N., R. 20 W., 60 ft. N. and 26 ft. E. from T-rd. N., 60 ft. N. and 110 ft. E. from T-rd. S., 11 ft. E. of fence, in root on SE. side of 18-in. oak tree; copper nail and washer	1,229.03
Redtop, cor. secs. 8, 9, 16, and 17, T. 32 N., R. 20 W., 35 ft. S. and 40 ft. E. from U.S. Highway 65 at E.-W. cross rd., opposite post office, 17 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 132 B 1932"	1,213.660
Reference mark, 150 ft. S. and 25 ft. E. from cross rd., on E. concrete head wall of culvert; chiseled square	1,214.46
Redtop, 0.8 mi. N. of, along U.S. Highway 65, at top of hill, 50 ft. E. of cross rd., 10 ft. S. and 31 ft. E. from mail box of J. E. Moore, in root on W. side of 10-in. oak tree; copper nail and washer	1,220.32
Redtop, 1.5 mi. N. of, along U.S. Highway 65, at bottom of hill, 150 ft. S. and 16 ft. W. from highway at Kenwood garage and service sta., 80 ft. N. and 16 ft. W. from junction of dim rd. E., on W. concrete head wall of culvert; chiseled square	1,152.17
Redtop, 2.5 mi. N. of, along U.S. Highway 65, on line between secs. 32 and 33, T. 33 N., R. 20 W., 330 ft. N. and 39 ft. E. from cross rd., in concrete post; standard tablet stamped "T T 133 B 1932"	1,209.961
Reference mark, 13 ft. N. and 35 ft. E. from cross rd., on N. concrete head wall of culvert; chiseled square	1,202.87
T. 33 N., R. 20 W., quarter cor. between secs. 28 and 29, 16 ft. N. and 35 ft. E. from U.S. Highway 65 at rd. E., on N. concrete head wall of culvert; chiseled square	1,192.28
T. 33 N., R. 20 W., quarter cor. between secs. 20 and 21, 32 ft. N. and 20 ft. W. from T-rd. E., in root on E. side of 24-in. oak tree; copper nail and washer	1,198.14

\*Line 4 of Long Lane quadrangle includes a portion of this line (see Bull. 898-B, p. 256).

	Feet
T. 33 N., R. 20 W., center of N 1/2 sec. 20, 21 ft. N. and 28 ft. W. from T-rd. N., 12 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 134 B 1932"	1,219.958
T. 33 N., R. 20 W., center sec. 17, 5 ft. N. and 12 ft. W. from crossroads, in top of support of wooden culvert; copper nail and washer	1,166.70
T. 33 N., R. 20 W., center sec. 18, 10 ft. S. and 8 ft. W. from crossroads, on W. end of 20-in. concrete culvert; chiseled square	1,164.68
Blue triangulation sta.; U.S.C. & G.S. standard disk	1,328.245
Reference mark 2; U.S.C. & G.S. standard reference disk	1,323.118
T. 33 N., R. 20 W., S. sixteenth cor. sec. 8, 125 ft. N. and 13 ft. E. from crossroads, in root on W. side of 30-in. oak tree; copper nail and washer	1,146.66
T. 33 N., R. 20 W., about 0.3 mi. S. of center sec. 5, 20 ft. S. and 6 ft. E. from T-rd. S., on E. concrete head wall of culvert; chiseled square	1,112.28
T. 33 N., R. 20 W., center sec. 4, 38 ft. N. and 16 ft. W. from crossroads, in concrete post; standard tablet stamped "13 J 1932"	1,153.838
Reference mark, 18 ft. N. and 16 ft. E. from crossroads; top of iron pin	1,152.11
T. 33 N., R. 20 W., quarter cor. between secs. 3 and 4, 23 ft. N. and 150 ft. E. from T-rd. S., 3 ft. N. of fence, in root on SE. side of 18-in. elm tree; copper nail and washer	1,130.72
Buffalo, 2.8 mi. SW. of, on U.S. Highway 65, center sec. 3, T. 33 N., R. 20 W., 10 ft. S. and 40 ft. W. from cross rd., on S. concrete head wall of culvert; chiseled square	1,167.62
Buffalo, 1.5 mi. SW. of, on U.S. Highway 65, 0.7 mi. S. of junction of State Highway 64, 23 ft. S. and 18 ft. W. from cross rd., on W. concrete head wall of culvert; chiseled square	1,160.66
Buffalo, 0.8 mi. SW. of, along State Highway 64, 79 ft. N. and 53 ft. W. from junction of U.S. Highway 65, 4 ft. S. of power-line pole, in concrete post; standard tablet stamped "12 J 1932"	1,185.469
Reference mark, 90 ft. S. and 27 ft. W. from junction, on W. concrete head wall of culvert; chiseled square	1,184.95
Buffalo, at S. entrance to courthouse, on SW. corner of bottom rock step; chiseled square	1,202.88
Buffalo, 0.7 mi. NE. of, 20 ft. N. and 65 ft. W. from T-rd. W., 3 ft. N. of fence, in root on SE. side of 24-in. oak tree; copper nail and washer	1,122.30
Buffalo, 1.8 mi. NE. of, in SE 1/4 SW 1/4 sec. 13, T. 34 N., R. 20 W., 3 ft. N. and 36 ft. W. from junction of private rd. NW. to farmhouse of Everett Gant, 6 ft. SW. of triangular-blazed 30-in. oak tree, in concrete post; standard tablet stamped "11 J 1932"	1,163.338
Reference mark, 6 ft. NE. of tablet, in root on E. side of 30-in. oak tree; copper nail and washer	1,162.38
Buffalo, 2.8 mi. NE. of, quarter cor. between secs. 12 and 13, T. 34 N., R. 20 W., 18 ft. S. and 33 ft. E. from rd. corner S.-E., in fence line, in root on N. side of 15-in. oak tree; copper nail and washer	1,200.09
4. FROM BOLIVAR QUADRANGLE AT SEC. 28, T. 33 N., R. 21 W., NORTH TO HALF WAY (by O. F. Hodgdon in 1934) (Continued from Bolivar quadrangle; see line 2.)	
Half Way, 5 mi. S. of, in SW 1/4 sec. 28, T. 33 N., R. 21 W., 90 ft. N. and 28 ft. W. from small bridge, in concrete post; standard tablet stamped "T T 1228 O W A 1934"	1,086.574
Reference mark, 80 ft. S. and 18 ft. E. from tablet, on W. head wall of concrete culvert over North Deer Creek; chiseled square	1,086.98
(For balance in Bolivar quadrangle, see line 2.)	
Half Way, at W. limits of, 62 ft. S. and 56 ft. E. from junction of State Highway 64 and County Route H to S., in concrete post; standard tablet stamped "T T 1227 C W A 1934"	1,084.164
Reference mark, 18 ft. N. and 34 ft. W. from tablet, on top of E. concrete head wall of 18-in. iron pipe culvert; chiseled square	1,086.01
Half Way, 15 ft. S. and 32 ft. E. from SE. corner of concrete block church, 40 ft. N. of State Highway 64, 40 ft. W. of cross street, in concrete post; U.S.C. & G.S. standard disk stamped "X 109 1935"	1,075.159
Reference mark, 22 ft. S. and 16 ft. E. from tablet, on N. head wall of concrete culvert; chiseled square	1,077.13
5. FROM STRAFFORD QUADRANGLE AT SEC. 11, T. 32 N., R. 21 W., EAST TO REDTOP (by K. L. Doolley and G. R. Hamlin in 1934) (Continued from Stafford quadrangle; see line 3.)	
T. 32 N., R. 21 W., quarter cor. between secs. 11 and 12, 75 ft. W. of T-rd. E., 90 ft. S. of concrete porch of dwelling, 5 ft. SW. of garage, in root of 10-in. elm tree; copper nail and washer	1,223.63
T. 32 N., R. 20 W., near center sec. 7, 90 ft. N. of E.-W. rd., 10 ft. E. of N.-S. rd., 115 ft. E. of dwelling of J. W. Smith, in root of 30-in. sycamore tree; copper nail and washer	1,230.82
T. 32 N., R. 20 W., quarter cor. between secs. 8 and 9, on U.S. Highway 65, 80 ft. SW. of rd. junction, 35 ft. S. of rd., 160 ft. SE. of dwelling of D. Cooksey, in root of 30-in. red-oak tree; copper nail and washer	1,230.66

6. FROM SEC. 30, T. 34 N., R. 19 W., EAST ALONG COUNTY ROUTE A TO EAST BORDER, THENCE NORTH ABOUT 6 MILES, INCLUDING THAT PART OF THE LINE IN LONG LANE QUADRANGLE (by C. W. Williams in 1936) \*

	Feet
U.S.C. & G.S. standard disk stamped "U 110 1935"	1,155.660
Buffalo, 3 mi. SE. of, along County Route A, in SE 1/4 sec. 30, T. 34 N., R. 19 W., 30 ft. S. and 310 ft. W. from junction of rd. NW., 262 ft. S. of SW. corner of dwelling, in concrete post; standard tablet stamped "T 1239 C W A 1934"	1,145.740
U.S.C. & G.S. standard disk stamped "v 110 1935"	1,155.329
County Route A at rd. S., 47 ft. S. and 65 ft. W. from, in root on N. side of 16-in. black-oak tree; crossed nails	1,174.24
County Route A at cross rd., 16 ft. N. and 20 ft. E. from, in root on SW. side of 17-in. white-oak tree; crossed nails	1,193.57
Cloverdale School, 141 ft. N. and 128 ft. W. from NW. corner of, E. sixteenth cor. sec. 34, T. 34 N., R. 19 W., 42 ft. S. and 28 ft. E. from County Route A at rd. S., in concrete post; standard tablet stamped "1220 C W A 1934"	1,173.508
Reference mark, 48 ft. S. and 5 ft. W. from tablet, in root on W. side of 26-in. white-oak tree; copper nail and washer	1,174.70
U.S.C. & G.S. standard disk stamped "W 110 1935"	1,204.673
Ford across small creek, 55 ft. S. and 58 ft. W. from, in first valley N. of County Route A, in root on N. side of 11-in. black-oak tree; crossed nails	1,138.65
T. 34 N., R. 19 W., in SW 1/4 NE 1/4 sec. 26, 24 ft. N. of T-rd. S., in root on S. side of 13-in. black-oak tree; copper nail and washer	1,236.31
Rd. forks, in center of triangle, near Roberts dwelling, in root on SE. side of 15-in. white-oak tree; crossed nails	1,219.32
T. 34 N., R. 19 W., in NE 1/4 NE 1/4 sec. 27, 11 ft. N. and 28 ft. E. from NE. corner of dwelling of J. G. Whitney, 2 ft. W. of fence, in concrete post; standard tablet stamped "1221 C W A 1934"	1,216.944
Rd. forks, in triangle, 10 ft. E. of mail boxes, in root on NE. side of 14-in. white-oak tree; crossed nails	1,223.28
T. 34 N., R. 19 W., in SW 1/4 NE 1/4 sec. 22, 24 ft. S. and 60 ft. E. from T-rd. E., in root on S. side of 18-in. white-oak tree; copper nail and washer	1,167.52
T. 34 N., R. 19 W., near W. sixteenth cor. between secs. 15 and 22, 39 ft. S. and 25 ft. W. from rd. forks, 20 ft. S. and 35 ft. W. from rd. at cross fences, in root on SW. side of 14-in. black-oak tree; copper nail and washer	1,135.98
Dim crossroads near school, 28 ft. N. and 10 ft. E. from, in root on SW. side of 10-in. post-oak tree; crossed nails	1,096.89

7. FROM LONG LANE QUADRANGLE AT SEC. 34, T. 34 N., R. 19 W., SOUTH TO CHARITY, INCLUDING THAT PART OF THE LINE IN LONG LANE QUADRANGLE (by C. W. Williams in 1936) \*\*

Junction of private rd. W., 70 ft. S. and 35 ft. W. from, 78 ft. N. and 48 ft. W. from Ford across creek, in root on SE. side of 29-in. elm tree; crossed nails	1,039.59
T. 33 N., R. 19 W., in SW 1/4 NE 1/4 sec. 3, on top of hill, 152 ft. N. and 14 ft. W. from rd. corner N.-SE., in root on S. side of 18-in. black-oak tree; copper nail and washer	1,104.83
Dwelling of Mrs. Frank E. Allen, in line with W. face of, 20 ft. N. of rd., in root on SE. side of 24-in. black-oak tree; crossed nails	1,079.26
T. 33 N., R. 19 W., near quarter cor. between secs. 2 and 11, 92 ft. S. and 297 ft. W. from dwelling of R. L. Hall, near angle in rd., 2 ft. S. of fence, in concrete post; standard tablet stamped "1219 C W A 1934"	1,092.852
T-rd. W., 12 ft. E. of, in S. side of S. gatepost; nails	1,130.37
Dousinbury Creek, 10 ft. S. and 10 ft. E. from N. end of low-water bridge, in SW 1/4 NW 1/4 sec. 12, T. 33 N., R. 19 W., in root on SE. side of twin sycamore tree; copper nail and washer	1,011.41
Top of first hill S. of Dousinbury Creek, 14 ft. W. of rd., in E. side of small twin ash tree; crossed nails	1,136.89
T. 33 N., R. 19 W., W. sixteenth cor. between secs. 12 and 13, 28 ft. S. and 22 ft. W. from T-rd. N., in root on SW. side of 18-in. post-oak tree; copper nail and washer	1,165.99
T-rd. S., 136 ft. S. and 12 ft. W. from, in root on SE. side of 14-in. white-oak tree; crossed nails	1,196.74
Rd. fork SW., 38 ft. S. and 25 ft. E. from, in root on NW. side of 10-in. black-oak tree; crossed nails	1,170.58
T. 33 N., R. 19 W., in SE 1/4 NW 1/4 sec. 13, 30 ft. N. and 37 ft. E. from dim T-rd. S., 30 ft. N. and 49 ft. E. from rd. at fence, in root on SE. side of 14-in. post-oak tree; copper nail and washer	1,110.28
Top of first hill SW. of Pattersonville School, 20 ft. N. of rd., in root on SE. side of 18-in. white-oak tree; crossed nails	1,165.90
Meadville, center of W 1/2 sec. 14, T. 33 N., R. 19 W., 75 ft. S. and 47 ft. W. from crossroads, 236 ft. N. and 29 ft. W. from Prospect Baptist Church, in concrete post; standard tablet stamped "1218 C W A 1934"	1,118.124
Reference mark, 59 ft. N. and 68 ft. E. from NE. corner of Prospect Baptist Church, 15 ft. E. of rd., in root on W. side of 16-in. white-oak tree; copper nail and washer	1,129.51
T-rd. N., 38 ft. S. and 2 ft. W. from, near Okay Store, in root on NW. side of 20-in. white-oak tree; crossed nails	1,123.76
T. 33 N., R. 19 W., near center of NE 1/4 sec. 15, 15 ft. N. and 150 ft. E. from T-rd. S., 15 ft. N. and 170 ft. E. from rd. at N.-S. fences, in root on SE. side of 24-in. oak tree; copper nail and washer	1,104.95

\*Line 6 of Long Lane quadrangle includes a portion of this line (see Bull. 898-B, p. 257).

\*\*Published also as line 7 of Long Lane quadrangle (see Bull. 898-B, pp. 257-258).

	<u>Feet</u>
Hico Ford, 365 ft. S. of on W. bank of Niangua River, at rd. corner, in root on NW. side of 18-in. birch tree; crossed nails	1,032.87
T. 33 N., R. 19 W., near N. sixteenth cor. between secs. 21 and 22, 47 ft. S. and 52 ft. E. from T-rd. E. and fence W., in root on NW. side of 14-in. hickory tree; copper nail and washer	1,081.69
T-rd. W., 12 ft. N. and 12 ft. W. from, on top of head wall of concrete culvert; chiseled square	1,056.96
T. 33 N., R. 19 W., in NE 1/4 NW 1/4 sec. 27, at bottom of hill, 21 ft. S. and 54 ft. W. from rd. at N.-S. fences, in root on E. side of 24-in. black-oak tree; copper nail and washer	1,072.36
T. 33 N., R. 19 W., in SE 1/4 NW 1/4 sec. 27, 14 ft. W. of rd., 4 ft. S. and 95 ft. W. from NW. corner of dwelling formerly occupied by Everett Gann, in concrete post; standard tablet stamped "1217 C W A 1934"	1,130.047
T-rd. N., 42 ft. N. and 12 ft. E. from, in root on SE. side of 12-in. white-oak tree; crossed nails	1,165.17
T. 33 N., R. 19 W., in SW 1/4 NW 1/4 sec. 34, 15 ft. S. and 10 ft. E. from rd. forks, in root on SE. side of 24-in. red-oak tree; copper nail and washer	1,198.30
T-rd. E., 50 ft. S. and 26 ft. E. from, in root on E. side of 14-in. black-jack-oak tree; crossed nails	1,205.78
T. 32 N., R. 19 W., N. sixteenth cor. between secs. 3 and 4, 125 ft. S. and 21 ft. E. from rd. at fence W., 180 ft. S. and 21 ft. E. from T-rd. E., in root on W. side of 30-in. post-oak tree; copper nail and washer	1,181.84
T-rd. S., 15 ft. N. and 68 ft. E. from, in root on E. side of 16-in. hackberry tree; crossed nails	1,177.26

8. FROM HALF WAY NORTH INTO URBANA QUADRANGLE AT SEC. 27, T. 35 N., R. 21 W. (by C. W. Williams in 1936)

T-rd. W., 47 ft. S. and 16 ft. W. from, in root on NE. side of 20-in. black-oak tree; crossed nails	1,098.03
T. 33 N., R. 21 W., quarter cor. between secs. 32 and 33, 84 ft. S. and 39 ft. E. from rd. corner S.-E. at fence W., in root on NW. side of 18-in. walnut tree; copper nail and washer	1,067.70
Hominy Creek at proposed county route right-of-way, 20 ft. S. and 38 ft. W. from, in root on NE. side of 18-in. sycamore tree; crossed nails	999.00
Half Way, 2 mi. N. of, near W. sixteenth cor. sec. 28, T. 34 N., R. 21 W., 35 ft. S. and 15 ft. E. from T-rd. S., in concrete post; standard tablet stamped "152 C W A 1934"	1,104.388
Crossroads, 50 ft. S. and 43 ft. W. from, in root on W. side of 22-in. black-oak tree; crossed nails	1,095.79
Half Way, about 2.8 mi. N. of, S. sixteenth cor. between secs. 20 and 21, T. 34 N., R. 21 W., 39 ft. S. and 20 ft. W. from crossroads, in root on SW. side of 10-in. walnut tree; copper nail and washer	1,080.54
T-rd. E., 33 ft. N. and 49 ft. W. from, in root on SE. side of 14-in. post-oak tree; crossed nails	1,083.44
Half Way, about 3.8 mi. N. of, in SW 1/4 sec. 16, T. 34 N., R. 21 W., 30 ft. N. and 26 ft. E. from T-rd. E. at fence W., near ford across creek, in root on W. side of twin locust tree; copper nail and washer	1,007.11
Goodson, 1.5 mi. S. of, near W. sixteenth cor. between secs. 9 and 16, T. 34 N., R. 21 W., 35 ft. N. and 50 ft. W. from crossroads, in concrete post; standard tablet stamped "153 C W A 1934"	1,063.247
Reference mark, 27 ft. S. and 27 ft. E. from crossroads, in root on NE. side of 28-in. black-oak tree; copper nail and washer	1,061.30
T-rd. W., 57 ft. S. and 29 ft. E. from, in root on N. side of 18-in. thorn tree; crossed nails	1,057.82
Goodson, about 0.8 mi. SE. of, N. sixteenth cor. sec. 9, T. 34 N., R. 21 W., 33 ft. N. and 49 ft. W. from rd. corner W.-N. at fence S., in root on NW. side of 20-in. post-oak tree; copper nail and washer	1,044.46
T-rd. E., 100 ft. N. and 10 ft. E. from, in root on W. side of 16-in. post-oak tree; crossed nails	1,056.66
T-rd. S., 45 ft. S. and 122 ft. W. from, in root on S. side of 24-in. black-oak tree; crossed nails	1,020.94
Goodson, 0.2 mi. E. of, quarter cor. between secs. 4 and 5, T. 34 N., R. 21 W., 22 ft. S. and 29 W. from crossroads, in root on NE. side of 18-in. black-oak tree; copper nail and washer	1,051.29
T-rd. E., 65 ft. S. and 24 ft. E. from, in root on W. side of 24-in. cherry tree; crossed nails	1,036.32
Goodson, about 1.2 mi. N. of, 1.8 mi. N. of cor. secs. 4, 5, 8, and 9, T. 34 N., R. 21 W., 33 ft. N. and 40 ft. E. from crossroads, in root on SW. side of 12-in. post-oak tree; copper nail and washer	1,030.75
Goodson, 1.7 mi. N. of, cor. secs. 4, 5, 33, and 34, Tps. 34 and 35 N., R. 21 W., 45 ft. N. and 35 ft. W. from T-rd. W., in concrete post; standard tablet stamped "154 C W A 1934"	982.864
Reference mark, 54 ft. S. and 25 ft. E. from T-rd. W., in root on W. side of 30-in. elm tree; copper nail and washer	981.60
Rd. corner S.-E., 8 ft. N. and 29 ft. E. from, in root on NW. side of 14-in. post-oak tree; crossed nails	961.58
T. 35 N., R. 21 W., in NW 1/4 sec. 34, on W. bank of Lindley Creek, 250 ft. S. of ford, 20 ft. E. of rd., in root of 18-in. water-oak tree; copper nail and washer	915.60
Dwelling of H. Patterson, at E. entrance to, in concrete walk; iron gatestop	985.80

(Continued in Urbana quadrangle; see line 5.)

9. FROM URBANA QUADRANGLE AT SEC. 26, T. 35 N., R. 20 W., EAST ALONG COUNTY ROUTE N AND STATE HIGHWAY 64 BY WAY OF PUMPKIN CENTER AND WOODHILL TO SEC. 28, T. 35 N., R. 19 W. (by C. W. Williams in 1936)

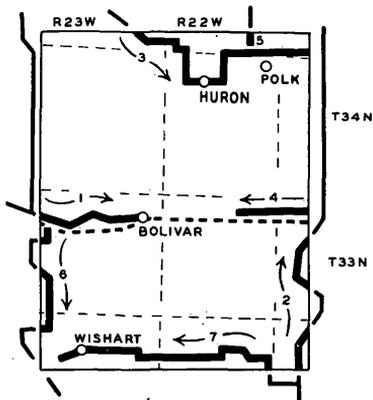
(Continued from Urbana quadrangle; see line 5.)

	<u>Feet</u>
Pumpkin Center, 1.5 mi. W. of, along County Route N, quarter cor. between secs. 25 and 26, T. 35 N., R. 20 W., 10 ft. S. and 24 ft. W. from junction of rd. E., in concrete post; standard tablet stamped "1233 C W A 1934"	1,096.567
Pumpkin Center, about 0.5 mi. W. of, along County Route N, E. quarter cor. sec. 25, T. 35 N., R. 20 W., 18 ft. N. and 350 ft. W. from junction of rd. N., on top of head wall of concrete culvert; chiseled square	1,101.54
Pumpkin Center, center sec. 30, T. 35 N., R. 19 W., 10 ft. N. and 37 ft. E. from State Highway 73 at rd. W., 1/4 ft. S. and 80 ft. E. from SE. corner of Pumpkin Center Store, in concrete post; standard tablet stamped "1234 C W A 1934"	1,141.637
Reference mark, 26 ft. S. and 16 ft. W. from tablet, on top of head wall of concrete culvert; chiseled square	1,138.03
Junction of State Highways 64 and 73, 185 ft. S. and 26 ft. E. from, on top of NE. corner of head wall of concrete culvert; chiseled square	1,135.79
T. 35 N., R. 19 W., on line between secs. 30 and 31, 45 ft. S. and 1/4 ft. E. from State Highway 64 at cross rd., in root on W. side of large twin cottonwood tree; copper nail and washer	1,141.68
T. 35 N., R. 19 W., in SE 1/4 sec. 31, 18 ft. N. and 26 ft. E. from State Highway 64 at cross rd., on top of head wall of concrete culvert; chiseled square	1,174.14
Butler triangulation sta.; U.S.C. & G.S. standard disk	1,223.668
Reference mark 1; U.S.C. & G.S. standard disk stamped "Butler No 1 1928"	1,221.381
T. 35 N., R. 19 W., S. cor. secs. 32 and 33, 63 ft. N. and 39 ft. W. from Trd. N., in root on NE. side of 14-in. post-oak tree; copper nail and washer	1,141.49
T. 35 N., R. 19 W., N. sixteenth cor. between secs. 32 and 33, 23 ft. W. of S. and E. rds., in root on SW. side of 10-in. hickory tree; copper nail and washer	1,164.80
Woodhill, in SW 1/4 sec. 28, T. 35 N., R. 19 W., 25 ft. S. and 135 ft. E. from State Highway 64 at rd. S., on top of S. head wall of concrete culvert; chiseled square	1,139.96
T. 35 N., R. 19 W., S. sixteenth cor. between secs. 27 and 28, 50 ft. S. and 35 ft. W. from State Highway 64 at cross rd., in root on NW. side of 14-in. post-oak tree; copper nail and washer	1,164.49

For additional level lines along United States Highway 65 and State Highway 64, refer to United States Coast and Geodetic Survey second-order lines, Buffalo to Preston and Fair Play to Licking.

BOLIVAR QUADRANGLE  
(Latitude 37°30'–37°45'; longitude 93°15'–93°30')

Polk County



1. FROM FAIR PLAY QUADRANGLE EAST ALONG STATE HIGHWAY 64 TO-BOLIVAR (by O. F. Hodgdon in 1934)  
(Continued from Fair Play quadrangle; see line 2.)

T. 33 N., R. 23 W., about 375 ft. N. and 10 ft. E. from quarter cor. between secs. 6 and 7, 25 ft. N. of highway, 10 ft. E. of junction of rd. N., on E. stone head wall of 15-in. iron pipe culvert; chiseled square	1,082.16
T. 33 N., R. 23 W., near W. sixteenth cor. between secs. 5 and 8, 235 ft. E. of junction of rd. N., 19 ft. S. of highway, in W. end of S. head wall of concrete culvert; bolt head	1,072.66
U.S.C. & G.S. standard disk stamped "p 109 1935"	1,070.280

	<u>Feet</u>
Bolivar, 3 mi. W. of, cor. secs. 4, 5, 8, and 9, T. 33 N., R. 23 W., 35 ft. S. and 32 ft. W. from junction of rd. N., 38 ft. N. and 85 ft. E. from NE. corner of dwelling of Cliff Burchett, in concrete post; standard tablet stamped "1223 C W A 1934"	1,117.708
Reference mark, 13 ft. N. and 39 ft. E. from tablet, on W. stone head wall of 15-in. tile pipe culvert; chiseled square	1,116.444
Bolivar, 1.8 mi. W. of, 32 ft. N. and 20 ft. E. from junction of rd. N., in concrete post; U.S.C. & G.S. standard disk stamped "Q 109 1935"	1,089.174
Reference mark, 51 ft. S. and 420 ft. W. from tablet, on W. end of S. head wall of concrete culvert; bolt head	1,078.38
Bolivar, at W. limits of, near W. sixteenth cor. between secs. 2 and 11, T. 33 N., R. 23 W., 16 ft. N. of highway, on N. head wall of concrete culvert; chiseled square	1,087.56
Bolivar, 5 1/4 ft. S. of St. Louis-San Francisco Ry. sta., 95 ft. E. of track, 38 ft. S. of highway, 3/4 ft. W. of street S., in concrete post; U.S.C. & G.S. standard disk stamped "R 109 1935"	1,054.824
Reference mark, 74 ft. N. and 3/4 ft. E. from tablet, on W. head wall of concrete culvert; chiseled square	1,054.55
Bolivar, at N. entrance to courthouse, on NE. corner of bottom step; chiseled square	1,056.98
U.S.C. & G.S. standard disk stamped "Bolivar 1934"	1,058.315
Bolivar, 35 ft. N. and 25 ft. E. from NE. corner of courthouse, in concrete post; standard tablet stamped "1224 C W A 1934"	1,055.815

2. FROM MORRISVILLE QUADRANGLE AT SEC. 17, T. 32 N., R. 21 W., NORTH ALONG PUBLIC ROADS AND COUNTY ROUTE H TO SEC. 8, T. 33 N., R. 21 W. (by O. F. Hodgdon in 1934)  
(Continued from Morrisville quadrangle; see line 6.)

Providence School, 119 ft. N. and 105 ft. W. from, in NE 1/4 sec. 17, T. 32 N., R. 21 W., in root on W. side of 11-in. white-oak tree; copper nail and washer	1,101.17
T. 32 N., R. 21 W., E. sixteenth cor. sec. 8, 13 ft. E. of T-rd. N., 15 ft. N. of E-W rd., on N. end of E. head wall of concrete culvert; chiseled square	1,108.22
T. 32 N., R. 21 W., cor. secs. 4, 5, 8, and 9, 23 ft. S. of T-rd. W., 2 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "1229 C W A 1934"	1,034.767
Reference mark, 243 ft. N. and 48 ft. W. from tablet, in root on E. side of 19-in. walnut tree; nail and copper washer	1,033.56
T. 33 N., R. 21 W., in SW 1/4 sec. 33, about 400 ft. N. of South Deer Creek, 20 ft. E. of County Route H, in root on SW. side of 10-in. cedar tree; nail and washer	1,101.22

(For balance in Buffalo quadrangle, see line 4.)

T. 33 N., R. 21 W., cor. secs. 20, 21, 28, and 29, 65 ft. S. of junction of dim rd. E., 26 ft. E. of County Route H, in root on SW. side of 12-in. black-oak tree; copper nail and washer	1,178.08
T. 33 N., R. 21 W., 45 ft. S. of cor. secs. 16, 17, 20, and 21, 41 ft. E. of County Route H, in front yard of Fred Bruning, in root on SE. side of 16-in. post-oak tree; nail and washer	1,155.01
T. 33 N., R. 21 W., cor. secs. 8, 9, 16, and 17, 20 ft. N. and 35 ft. E. from County Route H at rd. E., 4 ft. N. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "151 C W A 1934"	1,087.800
Reference mark, 158 ft. S. and 31 ft. W. from tablet, on E. head wall of concrete culvert; chiseled square	1,088.15
T. 33 N., R. 21 W., near N. sixteenth cor. between secs. 8 and 9, 83 ft. S. and 28 ft. W. from County Route H at cross rd., in root on NE. side of 22-in. maple tree; copper nail and washer	1,108.79

(Continued in Buffalo quadrangle; see line 4.)

3. FROM HERMITAGE QUADRANGLE AT SEC. 26, T. 35 N., R. 23 W., ALONG ROADS GENERALLY EAST, BY WAY OF HURON INTO BUFFALO QUADRANGLE AT SEC. 5, T. 34 N., R. 21 W. (by C. W. Williams in 1936)  
(Continued from Hermitage quadrangle; see line 6.)

Rondo, 2.3 mi. SE. of, 140 ft. S. and 20 ft. W. from ford across Pomme de Terre River, in root on E. side of 36-in. post-oak tree; copper nail and washer	854.92
T. 35 N., R. 22 W., in SW 1/4 sec. 31, 28 ft. N. of rd., 374 ft. W. of oak tree at SE. corner of property of C. M. Wheeler, 130 ft. SE. of SE. corner of dwelling, in concrete post; standard tablet stamped "157 C W A 1934"	916.244
T. 35 N., R. 22 W., S. sixteenth cor. between secs. 31 and 32, 28 ft. N. and 45 ft. W. from T-rd. N., in root on SW. side of 18-in. post-oak tree; copper nail and washer	994.23
T. 35 N., R. 22 W., near E. sixteenth cor. on S. line sec. 32, 5 ft. N. and 33 ft. E. from T-rd. N., in root on NW. side of 12-in. post-oak tree; copper nail and washer	1,076.47
T. 34 N., R. 22 W., N. quarter cor. sec. 5, 45 ft. S. and 34 ft. E. from crossroads, in concrete post; standard tablet stamped "156 C W A 1934"	1,047.013
T. 34 N., R. 22 W., 0.2 mi. S. of N. quarter cor. sec. 5, 8 ft. S. and 82 ft. W. from T-rd. W., on top of S. head wall of concrete culvert; chiseled square	1,064.09

	<u>Feet</u>
T. 34 N., R. 22 W., 1 mi. S. of N. quarter cor. sec. 5, 29 ft. S. and 31 ft. E. from T-rd. E., in root on SW. side of 22-in. water-oak tree; copper nail and washer	1,058.63
Crossroads, 45 ft. N. and 75 ft. E. from, in root on SW. side of 14-in. post-oak tree; crossed nails	1,109.60
Huron, 1.2 mi. S. of N. cor. secs. 4 and 5, T. 34 N., R. 22 W., 48 ft. S. and 60 ft. W. from County Route D at rd. SW., 2 ft. N. and 6 ft. E. from NE. corner of store building, on top of E. end of concrete foundation of gasoline pump; chiseled square	1,132.64
Huron, 0.8 mi. E. of, along County Route D, 1.2 mi. S. and 0.2 mi. W. from NE. cor. sec. 4, T. 34 N., R. 22 W., 430 ft. N. and 58 ft. E. from junction of rd. N., on top of SW. corner of concrete porch of church; chiseled square	1,113.94
T-rd. W., 590 ft. S. and 6 ft. W. from, on top of S. end of W. head wall of culvert; chiseled square	1,021.92
T. 34 N., R. 22 W., about 0.2 mi. W. of NE. cor. sec. 4, 40 ft. S. and 58 ft. W. from T-rd. N., in root on SE. side of 18-in. black-oak tree; copper nail and washer	1,033.60
T. 34 N., R. 22 W., N. quarter cor. sec. 3, 31 ft. N. and 25 ft. E. from stone in rd. corner S.-W., near rd. forks, in root on SW. side of 18-in. walnut tree; copper nail and washer	1,098.62
T-rd. N., 24 ft. S. and 30 ft. E. from, in root on S. side of 12-in. walnut tree; crossed nails	1,019.72
T-rd. W., 16 ft. S. and 55 ft. W. from, in telephone pole; nails	1,047.33
Polk, 0.6 mi. W. of, S. quarter cor. sec. 36, T. 35 N., R. 22 W., 10 ft. S. and 10 ft. E. from rd. corner N.-E., in root on S. side of twin locust tree; copper nail and washer	1,058.45
Polk, 0.2 mi. N. and 0.1 mi. W. from, S. cor. secs. 31 and 36, T. 35 N., R. 21 and 22 W., 30 ft. S. and 15 ft. W. from T-rd. N., 169 ft. NW. of NW. corner of dwelling, in concrete post; standard tablet stamped "155 C W A 1934"	1,053.441
Reference mark, 75 ft. S. and 29 ft. E. from tablet, in root on N. side of 30-in. maple tree; copper nail and washer	1,055.85
Ford across small creek, 37 ft. N. and 100 ft. W. from, in root on SW. side of 20-in. elm tree; crossed nails	955.13
T. 35 N., R. 21 W., W. sixteenth cor. on S. line sec. 32, 34 ft. S. and 12 ft. W. from T-rd. N., in root on NE. side of 12-in. post-oak tree; copper nail and washer	998.21
T. 34 N., R. 21 W., near W. sixteenth cor. on N. line sec. 5, 15 ft. S. and 95 ft. E. from low-water bridge over large creek, in root on S. side of 14-in. walnut tree; copper nail and washer	915.31
T-rd. S., 15 ft. N. and 112 ft. E. from, in root on SW. side of 30-in. elm tree; crossed nails	927.63

4. FROM BUFFALO QUADRANGLE WEST ALONG STATE HIGHWAY 64 TO SEC. 12, T. 33 N., R. 22 W. (leveled twice by C. W. Williams in 1936)

T. 33 N., R. 21 W., in NW 1/4 sec. 5, 26 ft. S. and 26 ft. E. from junction of rd. to school, on top of E. head wall of concrete culvert; chiseled square	1,104.48
U.S.C. & G.S. standard disk stamped "W 109 1935"	1,127.540
Junction of rd. S., 22 ft. S. and 10 ft. W. from, on top of W. head wall of concrete culvert; chiseled square	1,099.35
Bolivar, 6 mi. E. of, in NW 1/4 sec. 12, T. 33 N., R. 22 W., 42 ft. S. of highway, 142 ft. N. and 11 ft. E. from NE. corner of McKinney School, in concrete post; standard tablet stamped "1226 C W A 1934"	1,019.426

5. FROM POINT ABOUT 0.3 MILE NORTHWEST OF POLK, NORTH ALONG COUNTY ROUTE D INTO HERMITAGE QUADRANGLE (by C. W. Williams in 1936)

Junction of rd. W., 22 ft. N. and 30 ft. W. from, in E. side of corner fence post; nails	1,046.70
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(Continued in Hermitage quadrangle; see line 7.)

6. FROM FAIR PLAY QUADRANGLE AT SEC. 31, T. 34 N., R. 23 W., SOUTH INTO FAIR PLAY QUADRANGLE AT SEC. 31, T. 33 N., R. 23 W. (by C. W. Williams in 1936)

T-rd. S., 15 ft. S. and 17 ft. E. from, in NW. side of corner fence post; spike	1,090.17
Concrete culvert, on SW. corner of E. head wall; painted square	1,080.38
T. 33 N., R. 23 W., in SE 1/4 sec. 6, 22 ft. N. and 12 ft. E. from State Highway 64 at rd. N., on top of E. head wall of concrete culvert; chiseled square	1,082.16

(For balance in Fair Play quadrangle, see line 7.)

T. 33 N., R. 23 W., quarter cor. between secs. 19 and 30, 39 ft. N. and 126 ft. E. from crossroads, at SW. corner of yard, in root on W. side of 18-in. maple tree; copper nail and washer	1,051.13
T. 33 N., R. 23 W., quarter cor. between secs. 30 and 31, 25 ft. S. and 15 ft. E. from rd. corner N.-W., in root on W. side of 20-in. elm tree; copper nail and washer	1,040.43

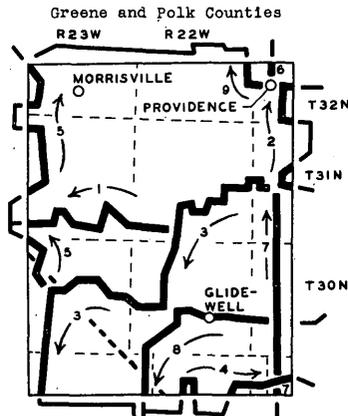
(Continued in Fair Play quadrangle; see line 7.)

7. FROM MORRISVILLE QUADRANGLE AT SEC. 12, T. 32 N., R. 22 W., WEST ALONG PUBLIC ROADS AND ST. LOUIS-SAN FRANCISCO RAILWAY TO WISHART, THENCE SOUTHWEST INTO MORRISVILLE QUADRANGLE AT SEC. 17, T. 32 N., R. 23 W. (by A. R. Friend in 1936)  
(Continued from Morrisville quadrangle; see line 9.)

	<u>Feet</u>
T. 32 N., R. 22 W., in SW 1/4 sec. 12, 200 ft. SW. of barn, N. of rd., in root of 24-in. oak tree; copper nail and washer	1,094.32
T. 32 N., R. 22 W., in sec. 11, at Wilson School, on SW. corner of concrete porch; chiseled square	1,119.60
T. 32 N., R. 22 W., cor. secs. 10, 11, 14, and 15, 15 ft. S. and 20 ft. W. from crossroads, 1 ft. S. and 4 ft. W. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "179 C W A 1934"	1,095.325
Reference mark, 710 ft. E. of tablet, on top of S. concrete head wall of culvert; chiseled square	1,075.10
T. 32 N., R. 22 W., in SW 1/4 sec. 10, 0.8 mi. E. of State Highway 13, 40 ft. N. of rd., in root on S. side of 12-in. elm tree; copper nail and washer	1,212.72
T. 32 N., R. 22 W., in sec. 16, on State Highway 13, 875 ft. S. of junction of rd. E., on top of NE. corner of E. head wall of concrete culvert; chiseled square	1,131.17
T. 32 N., R. 22 W., N. sixteenth cor. sec. 17, NW. of crossroads, in root on S. side of 12-in. elm tree; copper nail and washer	1,107.76
T. 32 N., R. 22 W., quarter cor. between secs. 17 and 18, 52 ft. S. and 40 ft. W. from rd. corner NE.-W., in yard of Lee Cox, 2 ft. inside fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "180 C W A 1934"	1,078.384
Reference mark, 0.2 mi. W. of tablet, N. of rd., in root on S. side of 24-in. black-walnut tree; copper nail and washer	1,072.19
T-rd. S., 50 ft. S. and 63 ft. E. from, in root on S. side of 10-in. white-oak tree; copper nail and washer	1,031.62
T. 32 N., R. 22 W., about 800 ft. N. of W. quarter cor. sec. 18, at rd. corner, in root on W. side of twin 14-in. sycamore tree; copper nail and washer	968.48
T. 32 N., R. 23 W., about 0.1 mi. W. of center sec. 13, S. of rd., in root on N. side of 30-in. sycamore tree; copper nail and washer	994.50
Ford across Slagle Creek, 48 ft. E. of, in root on W. side of 8-in. sycamore tree; crossed nails	943.90
Morrisville, 40 ft. N. and 500 ft. E. from St. Louis-San Francisco Ry. sta., in root on S. side of 14-in. sycamore tree; copper nail and washer	972.49
Wishart, about 0.8 mi. E. of, along St. Louis-San Francisco Ry., about 400 ft. E. of rd. crossing, N. of right-of-way, in root on S. side of 30-in. sycamore tree; copper nail and washer	970.39
Wishart, 170 ft. N. of St. Louis-San Francisco Ry. sta., in yard of Wishart Grocery Co., on top of concrete well curb; chiseled square	978.46
Ford across creek, 20 ft. N. and 30 ft. E. from, in root of 30-in. cotton-wood tree; nail	893.27

For an additional level line along State Highway 64, refer to United States Coast and Geodetic Survey second-order line Fair Play to Licking.

MORRISVILLE QUADRANGLE  
(Latitude 37°15'-37°30'; longitude 93°15'-93°30')



1. FROM SEC. 33, T. 31 N., R. 22 W., WEST INTO ASH GROVE QUADRANGLE  
AT SEC. 29, T. 31 N., R. 23 W. (by K. L. Dooley in 1934)

	<u>Feet</u>
T. 31 N., R. 22 W., center of NW 1/4 sec. 33, 25 ft. N. and 30 ft. W. from T-rd. W., 56 ft. S. and 15 ft. W. from 15-in. elm tree, in concrete post; standard tablet stamped "133 C W A 1934"	1,194.846
T. 31 N., R. 22 W., about 0.2 mi. W. of quarter cor. between secs. 30 and 31, 155 ft. E. of farmhouse, 20 ft. N. of rd., in root of 30-in. sycamore tree; copper nail and washer	1,193.00
T. 31 N., R. 22 W., in SW 1/4 sec. 30, 150 ft. E. of rd., in root of 24-in. sycamore tree; copper nail and washer	1,008.75
T. 31 N., R. 23 W., in NW 1/4 sec. 25, 60 ft. S. and 30 ft. E. from N.-S. rd. at private rd. E., 54 ft. S. and 257 ft. W. from blazed 20-in. white-oak tree, in concrete post; standard tablet stamped "135 C W A 1934"	1,043.050
Reference mark, 275 ft. E. of tablet, in root of blazed 20-in. oak tree; copper nail and washer	1,035.16
T. 31 N., R. 23 W., N. sixteenth cor. sec. 26, 550 ft. S. of County Route Z at rd. junction, 25 ft. E. of highway, in blazed 24-in. oak tree; steel	1,159.26
T. 31 N., R. 23 W., near W. sixteenth cor. between secs. 26 and 35, at N. entrance to church, on N. side of bottom step; chiseled square	1,179.91
T. 31 N., R. 23 W., in SE 1/4 sec. 28, 100 ft. N. and 300 ft. E. from NE. corner of porch of dwelling of A. H. Whittenberg, 80 ft. S. and 250 ft. W. from 20-in. hickory tree, in concrete post; standard tablet stamped "136 C W A 1934"	1,085.811
Reference mark, 80 ft. N. and 250 ft. E. from tablet, in base of blazed 20-in. hickory tree; iron rod	1,077.14
T. 31 N., R. 23 W., S. sixteenth cor. between secs. 27 and 28, 135 ft. NW. of T-rd. SE., 100 ft. W. of concrete bridge, on NW. corner of N. head wall of concrete culvert; chiseled square	1,020.50
T. 31 N., R. 23 W., near quarter cor. between secs. 29 and 32, 275 ft. N. of concrete bridge, at Persimmon Grove School, on concrete base of pump; chiseled square	1,064.57

(Continued in Ash Grove quadrangle; see line 3.)

2. FROM STRAFFORD QUADRANGLE AT SEC. 21, T. 31 N., R. 21 W., NORTH  
AND EAST INTO STRAFFORD QUADRANGLE AT SEC. 17, T. 32 N.,  
R. 21 W. (by K. L. Dooley and G. R. Hamlin in 1934)  
(Continued from Strafford quadrangle; see line 3.)

T. 31 N., R. 21 W., in SW 1/4 sec. 21, 233 ft. E. of fence corner, 230 ft. W. of fence corner, 52 ft. NW. of 22-in. oak tree, 2 ft. N. of E.-W. fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,198.531
T. 31 N., R. 21 W., in sec. 21, 1,000 ft. N. of T-rd. E., 20 ft. N. of rd. forks, in E. side of 12-in. post-oak tree; copper nail and washer	1,125.63
T. 31 N., R. 21 W., in SE 1/4 sec. 17, 100 ft. N. of old lane E., on NE. corner of E. head wall of concrete culvert; chiseled square	1,110.37

(For balance in Strafford quadrangle, see line 3.)

T. 31 N., R. 21 W., N. sixteenth cor. between secs. 4 and 5, 60 ft. S. and 60 ft. W. from T-rd. E., 8 ft. S. and 33 ft. E. from NE. corner of farmhouse of C. A. Patterson, in concrete post; standard tablet stamped "176 C W A 1934"	1,170.868
T. 32 N., R. 21 W., near center sec. 32, 570 ft. W. of T-rd., 125 ft. N. and 210 ft. E. from large dwelling, in root on W. side of 24-in. white-oak tree; copper nail and washer	1,162.72
Pleasant Hope, at SE. limits of, 125 ft. S. of dwelling, 42 ft. NE. of 8-in. cedar tree, 40 ft. E. of 22-in. white-oak tree, on SW. corner of E. head wall of concrete culvert; chiseled square	1,100.91

	<u>Feet</u>
T. 32 N., R. 21 W., near center sec. 29, 390 ft. W. of T-rd., 87 ft. SE. of dwelling, in root on S. side of 18-in. white-oak tree; copper nail and washer	1,114.03
T. 32 N., R. 21 W., near quarter cor. between secs. 28 and 29, at rd. corner, 150 ft. W. of dwelling, 90 ft. SW. of SW. corner of garden fence, in root on W. side of 14-in. maple tree; copper nail and washer	1,116.66
T. 32 N., R. 21 W., quarter cor. between secs. 20 and 29, 350 ft. S. of rd. corner S.-W., 20 ft. W. of rd. corner E.-N., in root on N. side of 30-in. elm tree; copper nail and washer	1,096.74
T. 32 N., R. 21 W., in S 1/2 sec. 17, 222 ft. N. of Pomme de Terre River, 550 ft. NW. of N. end of steel bridge, in W. side of leaning 8-in. walnut tree; copper nail and washer	996.50
Providence, 0.5 mi. E. of, in sec. 17, T. 32 N., R. 21 W., 55 ft. S. and 18 ft. E. from iron pin in T-rd. S., 46 ft. S. and 1 ft. E. from fence corner, in Wilcox pasture, in concrete post; standard tablet stamped "177 C W A 1934"	1,064.388

(Continued in Strafford quadrangle; see line 3.)

3. FROM EAST BORDER OF QUADRANGLE AT SEC. 21, T. 31 N., R. 21 W., WEST AND SOUTH TO POINT ABOUT 3 MILES WEST OF GLIDWELL, THENCE WEST TO SEC. 17, T. 30 N., R. 23 W., THENCE SOUTH INTO REPUBLIC QUADRANGLE AT SEC. 1, T. 29 N., R. 24 W. (by H. B. Bigelow, K. L. Dooley, and O. F. Hodgdon in 1934)

T. 31 N., R. 21 W., in SW 1/4 sec. 21, 233 ft. E. of fence corner, 230 ft. W. of fence corner, 52 ft. NW. of 22-in. oak tree, 2 ft. N. of E.-W. fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,198.531
Reference mark, 12 ft. S. and 50 ft. E. from tablet, in root on N. side of 15-in. post-oak tree; copper nail and washer	1,198.26
T. 31 N., R. 21 W., in SE 1/4 sec. 20, 165 ft. S. of E.-W. rd., 210 ft. E. of Baptist Church, on NE. corner of concrete porch of New Hope School; chiseled square	1,119.53
T. 31 N., R. 21 W., near W. sixteenth cor. sec. 20, 100 ft. W. of County Route H, 40 ft. N. of rd., in base of 22-in. white-oak tree; nail and washer	1,117.04
T. 31 N., R. 21 W., 30 ft. S. and 35 ft. E. from W. sixteenth cor. sec. 19, in root on SE. side of twin sycamore tree; copper nail and washer	1,068.83
T. 31 N., R. 21 and 22 W., near N. sixteenth cor. between secs. 19 and 24, on S. corner of SE. head wall of concrete culvert; chiseled square	1,049.32
T. 31 N., R. 22 W., in SW 1/4 sec. 24, 44 1/2 ft. E. of fence, 75 ft. S. of triangular-blazed 10-in. white-oak tree, 6 ft. S. of E.-W. fence S. of rd., in concrete post; standard tablet stamped "131 C W A 1934"	1,116.356
Reference mark, 46 ft. N. and 11 ft. W. from tablet, in root on E. side of 8-in. white-oak tree; copper nail and washer	1,118.83
T. 31 N., R. 22 W., near S. sixteenth cor. between secs. 23 and 24, 25 ft. E. of W. end of concrete bridge over Mimro Branch, on N. side of bridge; chiseled square	1,020.09
T. 31 N., R. 22 W., near center of SW 1/4 sec. 23, 6 ft. E. of W. end of concrete bridge over Kings Branch, on N. side of bridge; chiseled square	1,019.56
T. 31 N., R. 22 W., S. sixteenth cor. between secs. 22 and 23, 15 ft. S. and 10 ft. E. from crossroads, on top of N. end of E. head wall of culvert; chiseled square	1,053.66
T. 31 N., R. 22 W., near N. sixteenth cor. between secs. 26 and 27, at gate to farm of P. K. Russell, 110 ft. W. of barn, 65 ft. NW. of farmhouse, in root on W. side of 14-in. elm tree; copper nail and washer	1,107.36
T. 31 N., R. 22 W., in SW 1/4 sec. 27, 20 ft. S. and 94 ft. E. from State Highway 13 at E.-W. cross rd., 129 ft. W. of SE. corner of store building owned by D. Tummins, in concrete post; standard tablet stamped "132 C W A 1934"	1,241.861
Reference mark, 45 ft. N. and 15 ft. W. from tablet, in W. side of 22-in. water-oak stump; nail and washer	1,242.30
T. 31 N., R. 22 W., in NE 1/4 sec. 33, 375 ft. E. of curve in rd., on S. head wall of concrete culvert; chiseled square	1,225.88
T. 31 N., R. 22 W., in center of SW 1/4 sec. 28, 20 ft. E. of N.-S. rd., 15 ft. N. of E.-W. rd., 45 ft. NE. of old wooden culvert, in root of 18-in. elm tree; copper nail and washer	1,208.24
T. 31 N., R. 22 W., center of NW 1/4 sec. 33, 25 ft. N. and 30 ft. W. from T-rd. W., 56 ft. S. and 15 ft. W. from 15-in. elm tree, in concrete post; standard tablet stamped "133 C W A 1934"	1,194.846
Reference mark, 56 ft. N. and 15 ft. E. from tablet, in root on W. side of 22-in. walnut tree; copper nail and washer	1,193.46
T. 30 N., R. 22 W., in NW 1/4 sec. 4, 750 ft. S. of crossroads, 150 ft. W. of concrete foundation of barn, on S. end of E. wall of bridge; chiseled square	1,095.85
T. 30 N., R. 22 W., in SW 1/4 sec. 4, at Flint Hill School, on E. side of front steps; chiseled square	1,098.20
T. 30 N., R. 22 W., E. sixteenth cor. between secs. 8 and 17, 25 ft. S. of T-rd. N., 30 ft. N. of triangular-blazed 12-in. elm tree, 94 ft. W. of power line pole S. of rd., in concrete post; standard tablet stamped "134 C W A 1934"	1,128.078
T. 30 N., R. 22 W., in SE 1/4 sec. 20, on highest point in pasture, 604 ft. N. of fence N. of rd., 290 ft. W. of fence, about 100 ft. N. of woods, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,210.367
T. 30 N., R. 22 W., 290 ft. S. and 180 ft. W. from W. sixteenth cor. sec. 19, about 50 ft. NW. of barn, on property of W. A. Harkney, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,244.203

	<u>Feet</u>
T. 30 N., R. 23 W., near E. sixteenth cor. between secs. 13 and 24, 50 ft. S. of rd., in root of 24-in. elm tree; crossed nails	1,198.18
T. 30 N., R. 23 W., in NW 1/4 sec. 24, opposite farm of J. W. Klutler, on top of SE. corner of S. head wall of box culvert; chiseled square	1,181.95
T. 30 N., R. 23 W., in SW 1/4 sec. 14, 500 ft. W. of crossroads, on NE. corner of N. head wall of concrete culvert; chiseled square	1,179.55
T. 30 N., R. 23 W., in SE 1/4 sec. 15, opposite dwelling of C. E. Wadlow on Walnut Valley Farm, 20 ft. N. of rd., on NW. corner of wall around water tank; chiseled square	1,183.02
T. 30 N., R. 23 W., in SW 1/4 sec. 15, 35 ft. N. and 191 ft. W. from intersection of tangents of U.S. Highway 160 and County Route SA (now State Highway 123), in concrete post; standard tablet stamped "116 C W A 1934"	1,166.836
Reference mark, about 30 ft. S. and 225 ft. E. from tablet, on SW. corner of S. head wall of concrete culvert; chiseled square	1,169.97
T. 30 N., R. 23 W., W. sixteenth cor. between secs. 16 and 21, 81 ft. S. of rd., on NW. corner of concrete porch of dwelling; chiseled square	1,151.18
T. 30 N., R. 23 W., about 0.1 mi. W. of quarter cor. between secs. 17 and 20, 100 ft. N. of rd., on SW. corner of concrete porch of dwelling; chiseled square	1,118.17
T. 30 N., R. 23 W., cor. secs. 17, 18, 19, and 20, 35 ft. N. and 28 ft. W. from U.S. Highway 160 at N.-S. cross rd., in yard of Yocum School, in concrete post; standard tablet stamped "117 C W A 1934"	1,073.540
Reference mark, 12 ft. S. and 14 ft. E. from tablet; top of W. head wall of 15-in. iron pipe culvert.	1,071.00
T. 30 N., R. 23 W., S. sixteenth cor. between secs. 19 and 20, 0.8 mi. S. of Yocum School, 10 ft. S. and 6 ft. E. from T-rd., in root on SW. side of 27-in. elm tree; copper nail and washer	1,048.46
T. 30 N., R. 23 W., N. sixteenth cor. between secs. 29 and 30, 25 ft. N. and 35 ft. W. from T-rd., in root on E. side of 10-in. red-oak tree; copper nail and washer	1,115.13
T. 30 N., R. 23 W., cor. secs. 29, 30, 31, and 32, 15 ft. SW. of crossroads, in top of S. head wall of concrete culvert; iron pin	1,114.41
T. 30 N., R. 23 W., S. cor. secs. 31 and 32, 24 ft. S. and 5 ft. E. from T-rd. N., in concrete post; standard tablet stamped "118 C W A 1934"	1,188.273
T. 30 N., R. 23 W., in SE. cor. sec. 31, 5 ft. above ground, in top of 24-in. oak stump; copper nail and washer	1,189.84
T. 29 N., R. 23 W., in NW 1/4 sec. 6, 95 ft. S. and 65 ft. E. from T-rd., on top of cellar; chiseled square	1,179.66
T. 29 N., Rs. 23 and 24 W., on line between secs. 1 and 6, 625 ft. S. of E.-W. rd., on N. edge of E. head wall of concrete culvert; chiseled square	1,242.39
T. 29 N., Rs. 23 and 24 W., 75 ft. N. and 135 ft. E. from quarter cor. between secs. 1 and 6, 195 ft. SE. of St. Louis-San Francisco Ry. at rd. crossing, 5 ft. N. of track, in S. side of electric-signal control box; top of E. nut	1,240.83

(Continued in Republic quadrangle; see line 3.)

4. FROM REPUBLIC QUADRANGLE AT SEC. 5, T. 29 N., R. 22 W., EAST INTO STRAFFORD QUADRANGLE AT SEC. 5, T. 29 N., R. 21 W. (by Robert D. Moore and I. C. Cassil in 1934)  
(Continued from Republic quadrangle; see line 9.)

T. 29 N., R. 22 W., near center sec. 5, 0.5 mi. N. of St. Louis-San Francisco Ry. at crossing of U.S. Highway 160, 175 ft. N. and 40 ft. E. from rd. corner S.-E., at rear of dwelling, on base of pump; chiseled square	1,274.07
(For balance in Republic quadrangle, see line 9.)	
T. 29 N., R. 22 W., in E 1/2 sec. 2, 15 ft. N. and 122 ft. E. from intersection of Grant Street and Morton Road, near SW. corner of property of Central Bible Institute, on N. head wall of concrete culvert; chiseled square	1,248.20
Springfield, about 0.5 mi. N. of N. limits of, in NW 1/4 sec. 1, T. 29 N., R. 22 W., 25 ft. N. and 50 ft. W. from intersection of Morton Road and Summit Avenue, 34 ft. S. and 11 ft. E. from SE. corner of dwelling, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "106 C W A 1934"	1,270.448
Reference mark, on N. head wall of concrete culvert; chiseled square	1,264.65
T. 29 N., Rs. 20 and 21 W., 12 ft. S. and 18 ft. W. from U.S. Highway 65 at line between secs. 1 and 6, on W. head wall of concrete culvert; chiseled square	1,305.12

(Continued in Strafford quadrangle; see line 5.)

5. FROM SEC. 7, T. 30 N., R. 23 W., NORTH ALONG PUBLIC ROADS AND ST. LOUIS-SAN FRANCISCO RAILWAY INTO FAIR PLAY QUADRANGLE AT SEC. 17, T. 32 N., R. 23 W. (by H. B. Bigelow, C. A. Guthrie, and O. F. Hodgdon in 1934)

T. 30 N., R. 23 W., 240 ft. W. of approximate cor. secs. 7, 8, 17, and 18, on SW. corner of culvert; chiseled square	1,107.17
T. 30 N., R. 23 W., 400 ft. N. and 100 ft. W. from quarter cor. between secs. 7 and 8, in telephone pole; spike	1,159.22
T. 30 N., R. 23 W., near quarter cor. between secs. 7 and 8, at concrete culvert; NW. corner of E. head wall	1,132.14

	<u>Feet</u>
T. 30 N., R. 23 W., in NW 1/4 sec. 5, E. of St. Louis-San Francisco Ry., in fourth telegraph pole N. of pole 117.15; spike	1,155.79
T. 31 N., R. 23 W., in NE 1/4 sec. 31, 20 ft. S. of Walnut Grove-Willard rd., on NW. corner of W. head wall of concrete culvert; chiseled cross	1,177.22
(For balance in Ash Grove quadrangle, see line 4.)	
T. 31 N., R. 23 W., in NE 1/4 sec. 18, 122 ft. N. and 16 ft. W. from N. abutment of concrete bridge, 27 ft. S. and 40 ft. W. from triangular-blazed 18-in. elm tree E. of rd., in concrete post; standard tablet stamped "137 C W A 1934"	984.095
Reference mark, 160 ft. S. of tablet, on top of SW. wing wall of concrete bridge; chiseled square	984.44
T. 31 N., R. 23 W., in SW 1/4 sec. 8, on top of SE. wing wall of concrete culvert; chiseled square	1,069.74
T. 31 N., R. 23 W., quarter cor. between secs. 5 and 6, 150 ft. N. and 60 ft. E. from T-rd. E., at Scrougeout School, on SW. corner of concrete steps; chiseled square	1,123.47
(For balance in Ash Grove quadrangle; see line 4.)	
T. 32 N., R. 23 W., in sec. 30, 60 ft. NE. of St. Louis-San Francisco Ry. at first rd. crossing N. of Graydon Springs, on NE. corner of stone head wall of culvert; chiseled square	934.49
T. 32 N., R. 23 W., about 825 ft. W. of cor. secs. 19, 20, 29, and 30, 10 ft. E. of W. end of concrete bridge over Coats Creek, on N. side of bridge; chiseled square	898.44
T. 32 N., R. 23 W., in sec. 20, at N. end of St. Louis-San Francisco Ry. bridge 165.8 over Little Sac River, about 1 ft. below ties at center of track, on top of concrete abutment; chiseled square	912.37
T. 32 N., R. 23 W., in sec. 20, at St. Louis-San Francisco Ry. bridge 165.8 over Little Sac River, on NE. corner of S. bridge seat; chiseled square	904.76
T. 32 N., R. 23 W., about 660 ft. N. and 270 ft. E. from W. sixteenth cor. between secs. 17 and 20, 25 ft. N. and 70 ft. E. from St. Louis-San Francisco Ry. at rd. crossing, in root on SW. side of 22-in. black-oak tree; copper nail and washer	930.88
(Continued in Fair Play quadrangle; see line 3.)	
6. FROM SEC. 17, T. 32 N., R. 21 W., NORTH INTO BOLIVAR QUADRANGLE AT SEC. 17, T. 32 N., R. 21 W. (by O. F. Hodgdon in 1934)	
Providence, 0.5 mi. E. of, in sec. 17, T. 32 N., R. 21 W., 55 ft. S. and 18 ft. E. from iron pin in T-rd. S., 46 ft. S. and 1 ft. E. from fence corner, in Wilcox pasture, in concrete post; standard tablet stamped "177 C W A 1934"	1,064.388
Reference mark, 30 ft. N. and 75 ft. E. from tablet, in root of 14-in. black-oak tree; copper nail and washer	1,068.84
(Continued in Bolivar quadrangle; see line 2.)	
7. FROM REPUBLIC QUADRANGLE NORTH ALONG U.S. HIGHWAY 65 TO POINT 6.5 MILES NORTH OF SPRINGFIELD, THENCE NORTH ALONG COUNTY ROUTE H TO SEC. 21, T. 31 N., R. 21 W. (by A. R. Friend in 1936)	
(Continued from Republic quadrangle; see line 12.)	
Springfield, about 1.5 mi. N. of, 9 ft. S. and 37 ft. W. from E.-W. cross rd., on S. head wall of concrete culvert; chiseled square	1,306.23
Springfield, about 2 mi. N. of, 12 ft. N. and 25 ft. E. from junction of Valley Water Mills rd., on N. head wall of concrete culvert; chiseled square	1,269.69
Springfield, about 3 mi. N. of, at bridge over South Dry Sac Creek, 10 ft. N. from S. end of concrete rail, on E. side of highway; chiseled square	1,171.91
Springfield, about 3.5 mi. N. of, 30 ft. N. and 42 ft. E. from junction of old Fair Grove rd., 3 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet	1,247.334
Reference mark 1, 25 ft. S. and 70 ft. E. from tablet, on N. head wall of concrete culvert; chiseled square	1,247.66
Reference mark 2, 25 ft. N. and 90 ft. W. from tablet, on concrete base of gasoline pumps; chiseled square	1,244.20
Junction of rd. E., 10 ft. S. and 165 ft. E. from, in root on N. side of 16-in. black-oak tree; nails	1,279.43
Springfield, about 4.5 mi. N. of, 66 ft. N. and 16 ft. E. from E.-W. cross rd., on E. head wall of concrete culvert; chiseled square	1,293.49
Springfield, about 5.2 mi. N. of, 14 ft. S. and 26 ft. E. from junction of rd. E., on S. head wall of concrete culvert; chiseled square	1,212.52
Springfield, about 6 mi. N. of, 12 ft. S. and 35 ft. W. from E.-W. cross rd., on S. head wall of concrete culvert; chiseled square	1,181.74
Springfield, about 6.5 mi. N. of, 225 ft. S. of junction of County Route H, at N. end of bridge over Little Sac River, in E. abutment; standard tablet	1,055.999
Reference mark 1, 21 ft. W. of tablet, on W. abutment of bridge; chiseled square	1,155.94
Reference mark 2, 215 ft. N. of tablet, on concrete drain E. of highway; chiseled square	1,155.08
T. 30 N., R. 21 W., near quarter cor. between secs. 8 and 17, 153 ft. S. and 10 ft. W. from E.-W. cross rd., on S. end of W. head wall of concrete culvert; chiseled square	1,193.09

	<u>Feet</u>
T. 30 N., R. 21 W., near center sec. 8, 36 ft. S. and 32 ft. W. from junction of rd. E., in NE. corner of yard of Pleasant Hill School, in root on W. side of 14-in. white-oak tree; copper nail and washer	1,270.12
Junction of rd. W., 30 ft. E. of, in root of 8-in. wild-cherry tree; copper nail	1,277.53
T. 30 N., R. 21 W., near center sec. 5, 11 ft. S. and 32 ft. W. from junction of rd. W., on S. wing wall of E. abutment of bridge over small branch; chiseled square	1,185.85
T. 31 N., R. 21 W., near W. sixteenth cor. sec. 32, at S. end of concrete bridge over Miblo Creek, in E. wing wall; standard tablet	1,123.939
T. 31 N., R. 21 W., in NW 1/4 sec. 29, 80 ft. S. and 30 ft. W. from junction of private rd. W., in root on E. side of 14-in. post-oak tree; copper nail and washer	1,264.62
Rd. forks, in root of 9-in. pin-oak tree; copper nail	1,093.27
T. 31 N., R. 21 W., near S. sixteenth cor. between secs. 20 and 21, 9 ft. S. and 15 ft. W. from T-rd. E., in 10-in. water-oak tree; copper nail and washer	1,148.98
8. FROM SEC. 30, T. 30 N., R. 21 W., WEST TO SEC. 20, T. 30 N., R. 22 W., THENCE SOUTH INTO REPUBLIC QUADRANGLE AT SEC. 12, T. 29 N., R. 23 W. (by A. R. Friend in 1936)	
T. 30 N., R. 21 W., E. sixteenth cor. sec. 30, 90 ft. E. of T-rd. E., S. of rd., in root on S. side of 18-in. white-oak tree; copper nail and washer	1,273.49
T. 30 N., R. 21 W., E. sixteenth cor. between secs. 19 and 30, 30 ft. N. and 10 ft. W. from T-rd. W., on S. end of W. head wall of concrete culvert; chiseled square	1,187.11
T. 30 N., R. 21 W., 80 ft. S. and 3 ft. W. from quarter cor. between secs. 19 and 30, 80 ft. S. of E.-W. rd., on property of Martha Deeds, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,255.256
T. 30 N., R. 22 W., near E. sixteenth cor. between secs. 24 and 25, 200 ft. E. of T-rd. S., on W. end of N. head wall of concrete culvert; chiseled square	1,131.79
T. 30 N., R. 22 W., near W. sixteenth cor. between secs. 24 and 25, 140 ft. W. of T-rd. W., on W. end of S. head wall of concrete culvert; chiseled square	1,132.72
Glidewell, near W. sixteenth cor. between secs. 23 and 26, T. 30 N., R. 22 W., 12 ft. S. and 25 ft. W. from State Highway 13 at E.-W. cross rd., on S. head wall of concrete culvert; chiseled square	1,169.98
Glidewell, 0.5 mi. N. of, along State Highway 13, near W. sixteenth cor. sec. 23, T. 30 N., R. 22 W., at junction of rd. W., on S. head wall of concrete culvert; chiseled square	1,227.53
T-rd. N., at farmhouse S. of, on NW. corner of bottom concrete step to porch; painted mark	1,221.04
T. 30 N., R. 22 W., quarter cor. between secs. 21 and 22, 15 ft. S. and 15 ft. E. from crossroads, in root on E. side of 14-in. black-oak tree; copper nail and washer	1,237.37
T. 30 N., R. 22 W., quarter cor. between secs. 21 and 22, about 500 ft. SW. of dwelling at crossroads, 400 ft. W. of rd., 377 ft. W. of N.-S. fence, 341 ft. S. of E.-W. fence, on property of O. F. Owen, in concrete post; U.S.C. & G.S. and State Survey standard tablet	1,239.143
T-rd. S., 150 ft. W. of, S. of rd., in root on W. side of 18-in. water-oak tree; crossed nails	1,176.32
T. 30 N., R. 22 W., quarter cor. between secs. 20 and 21, 22 ft. N. and 10 ft. W. from T-rd. E., in root on S. side of 16-in. water-oak tree; copper nail and washer	1,181.58
T-rd. S., N. of, in corner of pasture, in stump; crossed nails	1,108.19
T. 30 N., R. 22 W., near N. sixteenth cor. sec. 29, on upstream side near center of concrete low-water bridge over Little Sac River; chiseled square	1,029.49
T. 30 N., R. 22 W., near S. sixteenth cor. sec. 29, 30 ft. S. and 3 ft. W. from T-rd. N., in root on N. side of 10-in. post-oak tree; copper nail and washer	1,146.84
T. 30 N., R. 22 W., near N. sixteenth cor. between secs. 31 and 32, on E. head wall of concrete culvert; chiseled square	1,121.60
Rd. forks, W. of, on S. end of head wall of concrete culvert; chiseled square	1,154.06
T. 30 N., R. 22 W., S. cor. secs. 31 and 32, 10 ft. N. and 10 ft. W. from T-rd. N., on W. head wall of concrete culvert; chiseled square	1,237.69
T-rd. S., on head wall of concrete culvert; chiseled square	1,255.08
U.S.C. & G.S. standard disk stamped "T 23 1934"	1,251.936
T-rd. W., E. of, in hedge stump; crossed nails	1,252.68

(Continued in Republic quadrangle; see line 13.)

9. FROM SEC. 17, T. 32 N., R. 21 W., WEST AND NORTH INTO BOLIVAR QUADRANGLE AT SEC. 13, T. 32 N., R. 22 W. (by A. R. Friend in 1936)

Providence, 0.5 mi. E. of, in sec. 17, T. 32 N., R. 21 W., 55 ft. S. and 18 ft. E. from iron pin in T-rd. S., 46 ft. S. and 1 ft. E. from fence corner, in Wilcox pasture, in concrete post; standard tablet stamped "177 C W A 1934"	1,064.388
Reference mark, 140 ft. W. of T-rd. S., on SW. corner of wing wall of concrete culvert; chiseled square	1,061.72

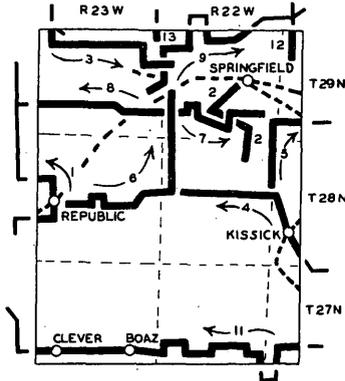
T. 32 N., R. 21 W., near center sec. 18, 0.2 mi. W. of Rhymer's General Store, on SE. corner of stone foundation of Providence Church; chiseled square	<u>Feet</u> 997.09
T. 32 N., R. 22 W., in NE 1/4 sec. 13, on upstream side near center of low-water bridge over Sycamore Branch; chiseled square	983.49

(Continued in Bolivar quadrangle; see line 7.)

For additional level lines along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey second-order lines, Sedalia to Springfield and Cherokee, Kans. to Nichols, Mo.

REPUBLIC QUADRANGLE  
(Latitude 37°00'-37°15'; longitude 93°15'-93°30')

Christian and Greene Counties



1. FROM HALLTOWN QUADRANGLE AT SEC. 24, T. 28 N., R. 24 W., NORTH INTO HALLTOWN QUADRANGLE AT SEC. 12, T. 28 N., R. 24 W. (by F. L. Whaley in 1916-17)  
(Continued from Halltown quadrangle; see line 4.)

T. 28 N., R. 23 W., W. quarter cor. sec. 19, 20 ft. S. and 20 ft. W. from crossroads, in corner of field; iron post stamped "1917 Mo 1311"	1,309.408
T. 28 N., R. 23 W., W. cor. secs. 18 and 19, at NE. corner of crossroads, on top of white flint rock; chiseled square	1,280.47
T. 28 N., R. 23 W., 0.1 mi. W. of W. cor. secs. 7 and 18, on W. end of concrete culvert; chiseled square	1,224.21

(Continued in Halltown quadrangle; see line 6.)

2. FROM POINT 1.5 MILES WEST OF ST. LOUIS-SAN FRANCISCO RAILWAY STATION AT SPRINGFIELD SOUTH TO SEC. 34, T. 29 N., R. 22 W. (leveled twice by George W. Moore in 1931)

Springfield, at W. limits of, 20 ft. S. and 10 ft. E. from Missouri Pacific R.R. at Walnut Street crossing, on top of S. end of curve in E. concrete curbing; chiseled square	1,246.97
Springfield, at SW. limits of, 30 ft. W. of Missouri Pacific R.R. at rd. crossing; top of N. end of 30-in. tile culvert	1,221.06
T. 29 N., R. 22 W., in NW. cor. sec. 34, 23 ft. S. and 50 ft. E. from Missouri Pacific R.R. at crossing of U.S. Highway 60, 2 ft. S. and 4 ft. E. from fence corner; top of car axle	1,250.61
T. 29 N., R. 22 W., E. sixteenth cor. between secs. 27 and 34, at NE. corner of federal hospital site, 42 ft. S. of U.S. Highway 60, 3 ft. S. and 3 ft. W. from fence corner; top of car axle	1,266.06
T. 29 N., R. 22 W., E. sixteenth cor. sec. 34, in top of stump flush with ground; copper nail and washer	1,274.61
T. 29 N., R. 22 W., 850 ft. W. of center sec. 34, in fence line, in root on N. side of 16-in. hickory tree; copper nail and washer	1,280.02
T. 29 N., R. 22 W., W. quarter cor. sec. 34, NW. of crossroads, on top of N. end of E. head wall of concrete culvert; chiseled square	1,273.34
T. 29 N., R. 22 W., about 660 ft. W. of E. quarter cor. sec. 34, in hedge row, in root on NW. side of 19-in. hedge tree; copper nail and washer	1,265.33
T. 29 N., R. 22 W., 660 ft. W. of SE. cor. sec. 34, 3 ft. W. of fence; top of car axle	1,248.21
T. 29 N., R. 22 W., 660 ft. E. of SW. cor. sec. 34, 4 ft. N. and 4 ft. E. from fence corner, in root on N. side of 18-in. walnut tree; copper nail and washer	1,244.63

3. FROM MORRISVILLE QUADRANGLE AT SEC. 8, T. 29 N., R. 23 W., EAST  
TO SEC. 8, T. 29 N., R. 22 W. (by O. F. Hodgdon in 1934)  
(Continued from Morrisville quadrangle; see line 3.)

	<u>Feet</u>
T. 29 N., R. 23 W., near cor. secs. 5, 6, 7, and 8, 41 ft. S. of S. rail of St. Louis-San Francisco Ry. track, 187 ft. E. of semaphore 1918, 6 ft. N. of fence, in concrete post; standard tablet stamped "101 C W A 1934"	1,255.070
Reference mark, in SE. corner of foundation of semaphore 1918; top of bolt	1,252.73
T. 29 N., R. 23 W., cor. secs. 4, 5, 8, and 9, 15 ft. N. and 10 ft. E. from crossroads, on S. end of E. concrete head wall of culvert; chiseled square	1,261.61
T. 29 N., R. 23 W., cor. secs. 3, 4, 9, and 10, 10 ft. N. and 25 ft. W. from crossroads, on W. end of N. head wall of concrete culvert; chiseled square	1,194.18
T. 29 N., R. 23 W., quarter cor. between secs. 3 and 10, 36 ft. N. and 18 ft. E. from crossroads, on property of M. T. Mount, in concrete post; standard tablet stamped "102 C W A 1934"	1,240.467
T. 29 N., R. 23 W., W. sixteenth cor. between secs. 2 and 11, at SE. corner of crossroads, in fence corner, on concrete foundation of iron post; chiseled square	1,281.31
T. 29 N., R. 23 W., 20 ft. N. and 10 ft. W. from cor. secs. 1, 2, 11, and 12, on concrete post; chiseled square	1,262.92
T. 29 N., Rs. 22 and 23 W., cor. secs. 1, 6, 7, and 12, 300 ft. S. and 48 ft. W. from crossroads, 26 ft. N. and 55 ft. E. from NE. corner of farmhouse of L. J. Trogdon, in yard, in concrete post; standard tablet stamped "103 C W A 1934"	1,270.603
T. 29 N., Rs. 22 and 23 W., cor. secs. 7, 12, 13, and 18, 20 ft. S. and 100 ft. W. from T-rd. N., in front yard of O. P. Redfearn, in root on NE. side of 16-in. elm tree; copper nail and washer	1,237.91
T. 29 N., R. 22 W., cor. secs. 7, 8, 17, and 18, 20 ft. N. and 8 ft. E. from crossroads, on top of E. head wall of concrete culvert; chiseled square	1,227.68

4. FROM OZARK QUADRANGLE AT SEC. 29, T. 28 N., R. 21 W., NORTHWEST  
TO SEC. 13, T. 28 N., R. 22 W., THENCE WEST TO SEC. 18;  
T. 28 N., R. 22 W. (by O. F. Hodgdon in 1934)  
(Continued from Ozark quadrangle; see line 5.)

T. 28 N., R. 21 W., 215 ft. N. and 12 ft. E. from quarter cor. between secs. 29 and 32, in root on W. side of 18-in. red-oak tree; copper nail and washer	1,219.18
Kissick, in NW 1/4 sec. 29, T. 28 N., R. 21 W., 53 ft. S. and 15 ft. E. from St. Louis-San Francisco Ry. at rd. crossing, in concrete post; standard tablet stamped "170 C W A 1934"	1,164.077
Reference mark, 150 ft. NE. of store, 15 ft. E. of N.-S. rd., in root on W. side of 24-in. elm tree; copper nail and washer	1,160.08
T. 28 N., R. 21 W., in NW 1/4 SW 1/4 sec. 20, 125 ft. W. of junction of private rd. to James River Club, on N. head wall of concrete culvert; chiseled square	1,141.56
T. 28 N., R. 21 W., near quarter cor. between secs. 18 and 19, 31 ft. S. and 14 ft. W. from T-rd. N., on property of Dr. Chester E. Fulton, in concrete post; standard tablet stamped "171 C W A 1934"	1,288.865
Reference mark, 8 ft. N. and 95 ft. E. from tablet, in root on NW. side of 24-in. ash tree; copper nail and washer	1,289.93
T. 28 N., R. 22 W., in SW 1/4 sec. 13, 30 ft. N. and 750 ft. W. from T-rd. S., in root on S. side of 30-in. oak tree; nail	1,231.36
T. 28 N., R. 22 W., in SE 1/4 sec. 14, 0.2 mi. W. of County Route B, on NE. corner of concrete bridge; chiseled square	1,161.39
T. 28 N., R. 22 W., quarter cor. between secs. 15 and 22, 14 ft. N. and 29 ft. W. from T-rd. N., on property of J. W. Maynard, in concrete post; standard tablet stamped "172 C W A 1934"	1,256.791
Reference mark, 50 ft. SW. of tablet, in N. side of 18-in. elm tree; nail	1,259.14
T. 28 N., R. 22 W., in NE 1/4 sec. 21, 12 ft. S. and 20 ft. E. from crossroads, on S. concrete head wall of 12-in. iron pipe culvert; chiseled square	1,273.15
T. 28 N., R. 22 W., quarter cor. between secs. 17 and 20, 30 ft. N. of T-rd. S., in root on SW. side of 18-in. oak tree; copper nail and washer	1,273.46
T. 28 N., R. 22 W., in NE 1/4 sec. 19, 45 ft. S. and 560 ft. W. from crossroads, 45 ft. S. and 150 ft. W. from rd. corner, 35 ft. S. and 30 ft. W. from SW. corner of dwelling, on SW. corner of windmill; chiseled square	1,260.51
T. 28 N., R. 22 W., in SW. cor. sec. 18, 25 ft. N. and 25 ft. E. from T-rd. E., in concrete post; standard tablet stamped "147 C W A 1934"	1,156.886

5. FROM SEC. 18, T. 28 N., R. 21 W., NORTH AND EAST ALONG FREMONT  
AVENUE ROAD AND SUNSHINE DRIVE, INTO OZARK  
QUADRANGLE (by O. F. Hodgdon in 1934)

T. 28 N., R. 21 W., in NW 1/4 NE 1/4 sec. 18, 245 ft. S. and 14 ft. E. from intersection of County Route M and Fremont Avenue rd., on top of concrete wall of tile pipe culvert; chiseled square	1,296.56
T. 28 N., R. 21 W., quarter cor. between secs. 6 and 7, 21 ft. N. and 20 ft. W. from Fremont Avenue rd. at private rd. W. to farmhouse of Wm. L. Barton, on top of N. wall of concrete culvert; chiseled square	1,288.42

T. 28 N., R. 21 W., 270 ft. S. and 14 ft. E. from N. quarter cor. sec. 6, on Fremont Avenue rd., on top of E. wall of concrete culvert; chiseled square	<u>Feet</u> 1,302.40
T. 29 N., R. 21 W., center sec. 31, 10 ft. S. and 20 ft. W. from intersection of Fremont Avenue rd. and Seminole rd., on top of S. wall of concrete culvert; chiseled square	1,316.82
Springfield, 41 ft. S. and 116 ft. E. from intersection of Sunshine Drive (U.S. Highway 60) and Fremont Avenue, in concrete post; standard tablet stamped "173 C W A 1934"	1,327.237
Reference mark, 18 ft. N. and 205 ft. E. from tablet, on top of W. wall of concrete culvert; chiseled square	1,326.32
Springfield, 190 ft. S. and 30 ft. E. from intersection of U.S. Highway 65 and Sunshine Drive (U.S. Highway 60), on top of E. wall of concrete culvert; chiseled square	1,338.75

(Continued in Ozark quadrangle; see line 6.)

## 6. FROM REPUBLIC EAST TO SEC. 18, T. 28 N., R. 22 W., THENCE NORTH TO ST. LOUIS-SAN FRANCISCO RAILWAY (by O. F. Hodgdon in 1934)

U.S.C. & G.S. standard disk stamped "C 5 1928" Republic, in NW 1/4 sec. 20, T. 28 N., R. 23 W., 175 ft. S. of St. Louis-San Francisco Ry, at rd. crossing, 140 ft. S. and 65 ft. E. from semaphore in front of sta., 25 ft. W. of intersection of Main and East Elm Streets; iron post stamped "Prim Trav Sta No 2 1916 Mo"	1,319.492
Reference mark, 29 ft. N. and 64 ft. E. from post, on SW. corner of City Hall building; chiseled square	1,311.906
U.S.C. & G.S. standard disk stamped "D 5 1928"	1,312.23
U.S.C. & G.S. standard disk stamped "E 5 1928"	1,324.942
Republic, 1 mi. E. of intersection of Main and East Elm Streets, quarter cor. between secs. 20 and 21, T. 28 N., R. 23 W., about 75 ft. NE. of crossroads, on buttress cap of S. steps of dwelling; chiseled square	1,310.844
Republic, 1 mi. E. and 0.5 mi. N. from, cor. secs. 16, 17, 20, and 21, T. 28 N., R. 23 W., at T-rd. S., at steel tower, on top of NE. corner of NE. base plate; painted square	1,301.35
T. 28 N., R. 23 W., near NE. cor. sec. 21, on top of W. end of S. head wall of concrete culvert; chiseled square	1,263.64
T. 28 N., R. 23 W., near W. sixteenth cor. between secs. 15 and 22, 80 ft. N. and 10 ft. E. from concrete silo S. of rd., 16 ft. N. of fence N. of rd., in concrete post; standard tablet stamped "146 C W A 1934"	1,249.19
Reference mark, 120 ft. S. and 135 ft. W. from tablet, on SE. corner of foundation of windmill; chiseled square	1,281.721
T. 28 N., R. 23 W., near E. sixteenth cor. between secs. 15 and 22, in front of dwelling N. of rd., on top of N. head wall of concrete culvert; chiseled square	1,277.68
T. 28 N., R. 23 W., 600 ft. E. of center sec. 23, on E.-W. rd., on top of S. head wall of concrete culvert; chiseled square	1,267.74
T. 28 N., Rs. 22 and 23 W., quarter cor. between secs. 19 and 24, 100 ft. S. and 80 ft. E. from crossroads, in rear of dwelling, on top of concrete foundation of pump; chiseled square	1,169.38
T. 28 N., R. 22 W., in SW. cor. sec. 18, 25 ft. N. and 25 ft. E. from T-rd. E., in concrete post; standard tablet stamped "147 C W A 1934"	1,233.47
Reference mark, 10 ft. S. and 10 ft. W. from tablet, in fence corner, in side of 24-in. black-oak tree; copper nail and washer	1,156.886
T. 28 N., R. 22 W., in NW. cor. sec. 18, 30 ft. S. and 15 ft. W. from County Route M at N.-S. crossroad, on concrete foundation of corner post; chiseled square	1,155.45
T. 28 N., Rs. 22 and 23 W., cor. secs. 1, 6, 7, and 12, 24 ft. S. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "148 C W A 1934"	1,206.49
Reference mark, 10 ft. N. and 10 ft. E. from tablet, on S. head wall of concrete culvert; chiseled square	1,238.084
T. 29 N., R. 23 W., in SE. cor. sec. 36, 35 ft. N. and 15 ft. W. from crossroads, on top of abandoned tower foundation; chiseled square	1,239.09
T. 29 N., Rs. 22 and 23 W., cor. secs. 25, 30, 31, and 36, 50 ft. N. and 25 ft. E. from T-rd. W., in concrete post; standard tablet stamped "149 C W A 1934"	1,250.83
Reference mark, 58 ft. N. and 3 ft. E. from tablet, in root of 18-in. hickory tree; copper nail and washer	1,272.746
T. 29 N., Rs. 22 and 23 W., 625 ft. N. and 35 ft. E. from S. sixteenth cor. between secs. 25 and 30, in root on W. side of 20-in. hickory tree; copper nail and washer	1,272.57
T. 29 N., R. 23 W., in SE. cor. sec. 24, 8 ft. N. and 40 ft. W. from crossroads, on top of N. head wall of concrete culvert; chiseled circle	1,266.30
T. 29 N., Rs. 22 and 23 W., quarter cor. between secs. 19 and 24, 10 ft. S. and 15 ft. E. from T-rd. E., on top of S. head wall of culvert; chiseled semi-circle	1,224.84
U.S.C. & G.S. standard disk stamped "K 5 1928"	1,283.88
	1,287.629

## 7. FROM SEC. 30, T. 29 N., R. 22 W., EAST TO SEC. 35, T. 29 N., R. 22 W. (by O. F. Hodgdon in 1934)

T. 29 N., R. 22 W., in SW 1/4 sec. 30, at bottom of hill, in S. fence line, in root on SE. side of 20-in. hackberry tree; nail	1,245.37
T. 29 N., R. 22 W., in SE 1/4 sec. 30, 0.3 mi. S. of bridge over Wilson Creek, on NW. corner of N. head wall of concrete culvert; chiseled square	1,177.83

T. 29 N., R. 22 W., about 0.1 mi. S. of center sec. 29, about 0.4 mi. E. of bridge over Wilson Creek, on NW. corner of W. head wall of concrete culvert; chiseled square	Feet 1,205.72
T. 29 N., R. 22 W., in NE 1/4 sec. 29, on NW. corner of N. head wall of concrete culvert; painted square	1,231.70
Springfield, 1.5 mi. W. and 0.5 mi. S. from SW. limits of, in NW 1/4 SE 1/4 sec. 28, T. 29 N., R. 22 W., on bank of Wilson Creek, 0.8 mi. below Missouri Pacific R.R. bridge, 108 ft. above public rd. bridge, 24 ft. upstream from low water staff gage, in main downstream root of 24-in. hackberry tree; spike (set by water resources branch of U.S.Geol. Survey)	1,198.85
Reference mark, at SW. corner of bridge K-241 over Wilson Creek, on top of SW. wing wall; chiseled square	1,218.27
T. 29 N., R. 22 W., cor. secs. 27, 28, 33, and 34, 33 ft. S. and 72 ft. W. from crossroads, near Sherwood School, in concrete post; standard tablet stamped "174 C W A 1934"	1,271.926
T. 29 N., R. 22 W., in NW 1/4 NE 1/4 sec. 34, 50 ft. S. of U.S. Highway 60 at rd. S. to Federal Hospital, in root on S. side of 16-in. poplar tree; copper nail and washer	1,269.94
Springfield, at S. limits of, 550 ft. E. of intersection of U.S. Highway 60 and Fort Avenue, on top of SE. corner of S. head wall of concrete culvert; chiseled square	1,267.74
Springfield, at S. limits of, in NE. cor. sec. 35, T. 29 N., R. 22 W., SW. of intersection of U.S. Highway 60 and Campbell Street rd., on top of SW. corner of W. head wall of concrete culvert; (mark not described)	1,295.13
8. FROM SEC. 25, T. 29 N., R. 23 W., WEST INTO HALLTOWN QUADRANGLE AT SEC. 30, T. 29 N., R. 23 W. (by O. F. Hodgdon in 1934)	
T. 29 N., R. 23 W., near quarter cor. between secs. 25 and 36, on E.-W. rd., on head wall of concrete culvert; chiseled mark	1,279.98
T. 29 N., R. 23 W., W. sixteenth cor. between secs. 25 and 36, on head wall of concrete culvert; chiseled mark	1,286.86
T. 29 N., R. 23 W., 50 ft. S. of cor. secs. 25, 26, 35, and 36, on head wall of culvert; chiseled mark	1,304.19
T. 29 N., R. 23 W., on line between secs. 26 and 35, 60 ft. W. of St. Louis-San Francisco Ry. at rd. crossing, on head wall of culvert; chiseled mark	1,300.13
T. 29 N., R. 23 W., near SW. cor. sec. 26, at junction of U.S. Highway 60 and E.-W. crossroad, on N. head wall of concrete culvert; chiseled square	1,280.12
T. 29 N., R. 23 W., quarter cor. between secs. 26 and 27, 20 ft. S. and 24 ft. W. from T-rd. W., 3 ft. S. and 5 ft. W. from fence corner, in concrete post; standard tablet stamped "150 C W A 1934"	1,290.246
T. 29 N., R. 23 W., near center sec. 27, at entrance to farmhouse, in root of 12-in. hackberry tree; copper nail	1,258.36
T. 29 N., R. 23 W., quarter cor. between secs. 27 and 28, at crossroads, in front of farmhouse, in root of 10-in. walnut tree; copper nail	1,275.92
T. 29 N., R. 23 W., 0.4 mi. E. of quarter cor. between secs. 28 and 29, on S. head wall of concrete culvert; chiseled square	1,204.23
T. 29 N., R. 23 W., 0.1 mi. E. of center sec. 29, at entrance to farm lot, in root on S. side of one of four trees; copper nail	1,239.13
T. 29 N., R. 23 W., 150 ft. E. of W. quarter cor. sec. 30, on N. head wall of concrete culvert; chiseled mark	1,144.27
(Continued in Halltown quadrangle; see line 9.)	
9. FROM POINT ABOUT 2.8 MILES NORTHEAST OF BROOKLINE ON ST. LOUIS-SAN FRANCISCO RAILWAY, NORTH TO SEC. 12, T. 29 N., R. 23 W., THENCE EAST AND NORTH INTO MORRISVILLE QUADRANGLE AT SEC. 6, T. 29 N., R. 22 W. (by Robert D. Moore and I. C. Cassil in 1934)	
U.S.C. & G.S. standard disk stamped "J 5 1928"	1,291.080
U.S.C. & G.S. standard disk stamped "L 5 1928"	1,272.238
T. 29 N., Rs. 22 and 23 W., on line between secs. 13 and 18, at St. Louis-San Francisco Ry. at rd. crossing, on head wall of culvert; chiseled mark	1,284.65
T. 29 N., R. 23 W., in NE. cor. sec. 13, on head wall of concrete culvert; chiseled mark	1,273.37
T. 29 N., Rs. 22 and 23 W., N. sixteenth cor. between secs. 7 and 12, on S. side of lane to farmhouse, in root of 12-in. walnut tree; copper nail	1,261.73
T. 29 N., R. 22 W., cor. secs. 5, 6, 7, and 8, 120 ft. N. and 150 ft. W. from crossroads, in rear of dwelling, in NE. corner of concrete porch; post dowel	1,285.63
(For balance in Morrisville quadrangle, see line 4.)	
T. 29 N., R. 22 W., near center sec. 4, 0.4 mi. W. of Percy Cave rd. at E.-W. crossroad, 615 ft. W. of dwelling S. of rd., 180 ft. E. of dwelling N. of rd., at grove of oak trees, in fence line, in stump; copper nail	1,251.99
T. 29 N., R. 22 W., near center of W 1/2 sec. 3, 50 ft. N. of Melville or Percy Cave Road, on property of G. F. Spear, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "105 C W A 1934"	1,219.656
Reference mark, 450 ft. W. of tablet, on N. head wall of culvert; chiseled square	1,212.81

	<u>Feet</u>
T. 29 N., R. 22 W., in NW 1/4 sec. 2, 12 ft. S. and 21 ft. E. from State Highway 13 at junction of rd. E., 8 ft. NW. of corner of cobblestone fence at dwelling of C. H. Evans, on S. head wall of concrete culvert; chiseled square	1,241.24
(Continued in Morrisville quadrangle; see line 4.)	
10. IN CITY OF SPRINGFIELD (by O. F. Hodgdon in 1935)	
U.S.C. & G.S. standard disk stamped "S 5 1928"	1,310.335
Springfield, 20 ft. S. and 25 ft. W. from intersection of Glenstone Avenue and Cherry Street, in center of S. head wall of concrete culvert; standard tablet stamped "1 H 1935"	1,344.292
Springfield, 22 ft. S. and 31 ft. W. from intersection of Glenstone Avenue and Grand Street, in top of concrete curb; standard tablet stamped "2 H 1935"	1,339.671
Springfield, about 223 ft. W. of junction of Glenstone Avenue and Shady Nook rd., at SE. corner of Country Club House, at E. entrance to S. porch, in S. end of concrete step; standard tablet stamped "3 H 1935"	1,332.932
Springfield, 349 ft. N. and 19 ft. E. from intersection of Glenstone Avenue and Sunshine Drive, in concrete pavement; standard tablet stamped "4 H 1935"	1,340.296
Springfield, 25 ft. N. and 16 ft. E. from intersection of Sunshine Drive and Kings Avenue, in center of E. concrete head wall of culvert; standard tablet stamped "5 H 1935"	1,314.807
Springfield, at W. entrance to Phelps Grove Park, 16 ft. N. and 16 ft. W. from intersection of Beach Street and Holland Avenue, in top of N. concrete curb; standard tablet stamped "6 H 1935"	1,297.580
Springfield, 22 ft. N. and 21 ft. W. from intersection of Madison Street and Kimbrough Avenue, in top of concrete curb; standard tablet stamped "7 H 1935"	1,312.280
Springfield, 79 ft. S. and 1 ft. W. from SE. corner of American Legion Memorial Home at Benton, Olive, and Mitchell Streets, in top of SE. concrete retaining wall; standard tablet stamped "10 H 1935"	1,308.819
U.S.C. & G.S. standard disk stamped "Q 5 1928"	1,279.197
Springfield, 40 ft. N. and 26 ft. W. from intersection of Benton Avenue and Central Street, in top of concrete curb; standard tablet stamped "11 H 1935"	1,315.920
Springfield, 24 ft. N. and 27 ft. W. from intersection of Benton Avenue and Division Street, in top of concrete curb; standard tablet stamped "12 H 1935"	1,334.685
Springfield, 52 ft. N. and 14 ft. W. from intersection of Benton Avenue and Dale Street, in top of concrete curb; standard tablet stamped "13 H 1935"	1,315.591
Springfield, at intersection of Benton Avenue and Talmadge Street, in E. head wall of concrete culvert; standard tablet stamped "14 H 1935"	1,249.431
Springfield, 21 ft. N. and 29 ft. E. from intersection of Talmadge Street and Howard Avenue, in concrete post; standard tablet stamped "15 H 1935"	1,320.274
Springfield, 36 ft. NE. of NE. corner of brick dwelling at 2501 North Glenstone Avenue, 29 ft. W. of avenue, in concrete post; standard tablet stamped "16 H 1935"	1,328.554
Springfield, 32 ft. N. and 26 ft. W. from intersection of Glenstone Avenue and High Street, in top of concrete curb; standard tablet stamped "17 H 1935"	1,375.630
U.S.C. & G.S. standard disk stamped "J 111 1935"	1,354.528
Springfield, 196 ft. N. and 17 ft. E. from intersection of Glenstone Avenue and Division Street, in N. end of E. head wall of concrete culvert; standard tablet stamped "18 H 1935"	1,331.367
Springfield, 27 ft. N. and 40 ft. W. from intersection of Glenstone Avenue and Fythian Street, in concrete post; standard tablet stamped "19 H 1935"	1,332.936
Springfield, 24 ft. S. and 17 ft. E. from intersection of Sunshine Drive and Jefferson Avenue, in E. concrete head wall of culvert; standard tablet stamped "20 H 1935"	1,307.894
Springfield, 21 ft. N. and 542 ft. E. from intersection of Sunshine Drive and Fort Avenue, in N. head wall of concrete culvert; standard tablet stamped "21 H 1935"	1,267.466
Springfield, at Fassnight Creek, 15 ft. E. of Fort Avenue, in center of E. head wall of concrete bridge; standard tablet stamped "22 H 1935"	1,244.508
Springfield, 43 ft. N. and 15 ft. E. from intersection of Fort Avenue and Grand Street, in top of concrete curb; standard tablet stamped "23 H 1935"	1,272.653
Springfield, 8 ft. N. of Mt. Vernon Street bridge over Jordan Creek, in E. end of N. concrete curbing; standard tablet stamped "24 H 1935"	1,239.875
Springfield, at intersection of Mt. Vernon Street and West Avenue, 17 ft. N. of iron gate at W. entrance to St. Mary's Cemetery, in W. concrete curb; standard tablet stamped "27 H 1935"	1,285.024
Springfield, 16 ft. S. and 19 ft. W. from intersection of West Avenue and Mill Street, in W. head wall of concrete culvert; standard tablet stamped "28 H 1935"	1,290.731
U.S.C. & G.S. standard disk stamped "N 5 1928"	1,296.907
Springfield, at NW. corner of intersection of Nichols Street and West Avenue, 6 ft. N. and 9 ft. W. from SE. corner of property of E. P. D. Electric Company, in concrete; standard tablet stamped "29 H 1935"	1,291.175
Springfield, at intersection of Division Street and Warren Avenue, in S. head wall of concrete culvert; standard tablet stamped "30 H 1935"	1,293.149
Springfield, 18 ft. N. and 25 ft. E. from intersection of High Street and Grace Avenue, in concrete post; standard tablet stamped "31 H 1935"	1,294.083

	<u>Feet</u>
Springfield, 38 ft. S. and 21 ft. W. from intersection of Kearney Street and Elizabeth Avenue, in concrete post; standard tablet stamped "32 H 1935"	1,264.162
Springfield, 27 ft. S. and 28 ft. E. from State Highway 13 at crossing of Talmadge Street, in concrete post; standard tablet stamped "35 H 1935"	1,271.311
Springfield, 28 ft. S. and 26 ft. W. from intersection of Talmadge Street and Grant Avenue, in concrete post; standard tablet stamped "34 H 1935"	1,312.204
Springfield, 21 ft. N. of N. drive of E. entrance to Southwest Missouri State Teachers College, 19 ft. W. of National Avenue, in top of concrete curb; standard tablet stamped "28 H 1935"	1,312.890
Springfield, at Fasnicht Park, 1 ft. N. and 4 ft. W. from NE. corner of Filtration Building, in concrete post; standard tablet stamped "9 H 1935"	1,262.236
Springfield, 15 ft. S. and 30 ft. E. from intersection of Pythian Street and Clay Avenue, in top of concrete curb; standard tablet stamped "25 H 1935"	1,285.683
Springfield, at Springfield Air Port on East Division Street, 14 ft. S. and 2 ft. W. from NW. corner of hangar, in concrete runway; standard tablet stamped "26 H 1935"	1,361.498
11. FROM OZARK QUADRANGLE AT SEC. 32, T. 27 N., R. 21 W., WEST INTO HALLTOWN QUADRANGLE AT SEC. 31, T. 27 N., R. 23 W. (by Charles E. Hunter in 1936) (Continued from Ozark quadrangle; see line 11.)	
Ozark, 4.5 mi. SW. of, N. sixteenth cor. between secs. 31 and 32, T. 27 N., R. 21 W., 760 ft. E. of T-rd. E., 25 ft. S. of rd., 79 ft. N. and 15 ft. E. from dwelling of Mrs. Leota Tennis, in concrete post; standard tablet stamped "2013 E R A 1935"	1,145.493
(For balance in Forsyth No. 2 quadrangle, see line 6.)	
Nixa, 2.7 mi. S. of, near N. sixteenth cor. between secs. 35 and 36, T. 27 N., R. 22 W., 25 ft. SE. of County Route D (State Highway 123) on curve, 115 ft. N. and 6 ft. E. from NE. corner of dwelling of Anson Keithley, in concrete post; standard tablet stamped "2014 E R A 1935"	1,273.277
State Highway 123 at crossroad, 10 ft. S. and 15 ft. E. from; S. end of iron pipe culvert	1,296.2
Nixa, 2 mi. S. of, 0.2 mi. W. of quarter cor. between secs. 25 and 26, T. 27 N., R. 22 W., 15 ft. S. and 15 ft. E. from crossroads, in root on NE. side of 14-in. hickory tree; copper nail and washer	1,228.37
Nixa, 2 mi. S., thence 1.2 mi. W. from, quarter cor. between secs. 26 and 27, T. 27 N., R. 22 W., 20 ft. S. and 15 ft. E. from crossroads, in NW. corner of farmyard, in root on N. side of 18-in. oak tree; copper nail and washer	1,301.99
Nixa, 2 mi. S., thence 2.2 mi. W. from, quarter cor. between secs. 27 and 28, T. 27 N., R. 22 W., 15 ft. N. and 15 ft. W. from T-rd. N., at fence corner, in root on E. side of 16-in. cherry tree; copper nail and washer	1,177.74
Nixa, 2 mi. S., thence 3.4 mi. W. from, quarter cor. between secs. 28 and 33, T. 27 N., R. 22 W., 5 ft. S. and 20 ft. E. from T-rd. W., about 185 ft. N. and 80 ft. E. from NE. corner of dwelling of J. H. Herndon, in concrete post; standard tablet stamped "2015 E R A 1935"	1,245.802
Nixa, 2 mi. S., thence 4.2 mi. W. from, near quarter cor. between secs. 32 and 33, T. 27 N., R. 22 W., 30 ft. S. and 5 ft. E. from rd. forks, in root on N. side of 8-in. white-oak tree; copper nail and washer	1,213.47
Nixa, 2 mi. S., thence 4.8 mi. W. from, near center of N 1/2 sec. 32, T. 27 N., R. 22 W., 10 ft. N. and 75 ft. E. from T-rd. E., about 110 ft. E. of farmhouse, at fence corner, in root on S. side of 18-in. oak tree; copper nail and washer	1,108.28 1,037.2
James River, under bridge, surface of water at 3:30 p.m. June 23, 1936	
Nixa, 2 mi. S., thence 5.6 mi. W. from, near center sec. 29, T. 27 N., R. 22 W., 100 ft. S. and 35 ft. W. from T-rd. S., in root on SE. side of 18-in. elm tree; copper nail and washer	1,086.25
Boaz, 1.5 mi. SE. of, in SW 1/4 NE 1/4 sec. 30, T. 27 N., R. 22 W., 95 ft. W. of rd. forks, 30 ft. N. of rd., in root on S. side of 20-in. elm tree; copper nail and washer	1,150.49
Boaz, 0.8 mi. SE. of, W. quarter cor. sec. 30, T. 27 N., R. 22 W., 35 ft. S. and 15 ft. E. from T-rd. E., at fence corner, in root on E. side of 14-in. post-oak tree; copper nail and washer	1,239.82
Boaz, 0.8 mi. S. and 0.5 mi. E. from, E. cor. secs. 25 and 36, T. 27 N., R. 23 W., 11 ft. E. of T-rd. W., 38 ft. S. and 11 ft. E. from stone in rd. at fence E. at W. cor. secs. 30 and 31, T. 27 N., R. 22 W., in concrete post; standard tablet stamped "2016 E R A 1935"	1,265.006
Boaz, 0.8 mi. S. of, quarter cor. between secs. 25 and 36, T. 27 N., R. 23 W., 15 ft. S. and 120 ft. E. from T-rd. N., in root on N. side of 8-in. walnut tree; copper nail and washer	1,267.22
Boaz, 1.2 mi. SW. of, in SW 1/4 SE 1/4 sec. 26, T. 27 N., R. 23 W., 15 ft. N. and 260 ft. E. from crossroads, in fence line, in root on N. side of 10-in. walnut tree; copper nail and washer	1,319.30
Boaz, 1.8 mi. SW. of, cor. secs. 26, 27, 34, and 35, T. 27 N., R. 23 W., 20 ft. S. and 165 ft. E. from crossroads, 15 ft. N. and 75 ft. E. from NE. corner of church, in root on N. side of 14-in. black-oak tree; copper nail and washer	1,339.47
Clever, 1 mi. S. and 1.5 mi. E. from, cor. secs. 27, 28, 33, and 34, T. 27 N., R. 23 W., 20 ft. N. and 30 ft. E. from crossroads, 20 ft. S. and 77 ft. W. from SW. corner of dwelling of C. H. Ghan, in concrete post; standard tablet stamped "2017 E R A 1935"	1,360.682
T-rd. S., 15 ft. N. and 60 ft. W. from, in root on S. side of 10-in. black-oak tree; copper nail and washer	1,345.31

Clever, 1 mi. S. and 0.5 mi. E. from, cor. secs. 28, 29, 32, and 33, T. 27 N., R. 23 W., 13 ft. S. and 40 ft. E. from crossroads, in root on E. side of 6-in. persimmon tree; copper nail and washer	Feet 1,339.54
Clever, 1 mi. S. of, quarter cor. between secs. 29 and 32, T. 27 N., R. 23 W., 15 ft. N. and 100 ft. E. from T-rd. E., in root on S. side of 20-in. black-oak tree; copper nail and washer	1,324.70
Clever, 1 mi. S. and 0.5 mi. W. from, cor. secs. 29, 30, 31, and 32, T. 27 N., R. 23 W., 50 ft. S. and 170 ft. W. from T-rd. S., in root on S. side of 8-in. post-oak tree; copper nail and washer	1,353.59

(Continued in Halltown quadrangle; see line 10.)

12. FROM ST. LOUIS-SAN FRANCISCO RAILWAY NORTH ALONG U.S. HIGHWAY 65 INTO MORRISVILLE QUADRANGLE (by A. R. Friend in 1936)

Springfield, at NE. limits of, 21 ft. N. and 44 ft. W. from junction of U.S. Highway 66, on top of concrete sewer; chiseled square	1,358.45
Junction of rd. NW., 0.5 mi. N. of U.S. Highway 66, on S. head wall of stone culvert; chiseled square	1,315.08

(Continued in Morrisville quadrangle; see line 7.)

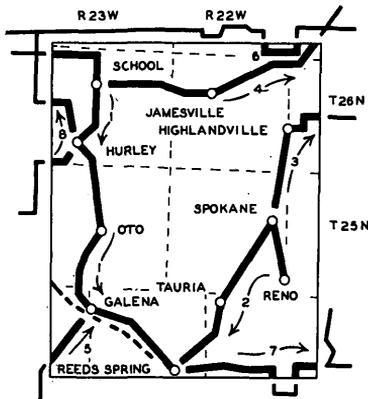
13. FROM MORRISVILLE QUADRANGLE AT SEC. 1, T. 29 N., R. 23 W., SOUTH TO SEC. 12, T. 29 N., R. 23 W. (by A. R. Friend in 1936)  
(Continued from Morrisville quadrangle; see line 8.)

T. 29 N., Rs: 22 and 23 W., cor. secs. 1, 6, 7, and 12, 300 ft. S. and 48 ft. W. from crossroads, 26 ft. N. and 55 ft. E. from NE. corner of farmhouse of L. J. Frogden, in yard, in concrete post; standard tablet stamped "103 C W A 1934"	1,270.603
Reference mark, 300 ft. N. and 45 ft. E. from tablet, on concrete retaining wall; chiseled square	1,270.94

For additional level lines along St. Louis-San Francisco Ry., refer to United States Coast & Geodetic Survey first-order line, Monett, Mo. to Memphis, Tenn.; and second-order lines, Cherokee, Kans. to Nichols, Mo., Sedalia to Springfield, Springfield to Lebanon, and Springfield to Forsyth.

FORSYTH NO. 2 QUADRANGLE  
(Latitude  $36^{\circ}45'1''-37^{\circ}00'$ ; longitude  $93^{\circ}15'1''-93^{\circ}30'$ )

Christian, Stone, and Taney Counties



1. FROM ELSEY QUADRANGLE AT SEC. 6, T. 26 N., R. 23 W., SOUTH AND EAST BY WAY OF SCHOOL, HURLEY, OTO, AND GALENA INTO FORSYTH NO. 3 QUADRANGLE AT REEDS SPRING (by D. V. Vandiver in 1904-05)  
(Continued from Elsey quadrangle; see line 1.)

School, 1 mi. N., thence 1 mi. W. from, in foundation of porch of dwelling of T. S. Wood; aluminum tablet stamped "1903 1305 Adj"	1,302.533
School, 200 ft. E. of crossroads, 8 ft. E. of SW. corner, in stone foundation; aluminum tablet stamped "1903 1344 Adj"	1,342.111
Hurley, 2 mi. SE. of, at dwelling of J. B. Blissett, in NE. corner of stone foundation; aluminum tablet stamped "1903 1276 Adj"	1,273.719
Oto, 2 mi. N. of, 0.5 mi. N. of Crane Creek, 100 ft. E. of rd., in limestone bluff; aluminum tablet stamped "1903 1115 Adj"	1,112.265
Oto, 2.2 mi. SW. of, 120 ft. N. of Wilson Branch, 200 ft. W. of dwelling, 100 ft. N. of rd. at spring box, in limestone boulder; aluminum tablet stamped "1903 987 Adj"	984.562

	<u>Feet</u>
Galena, at SW. corner of courthouse, about 20 ft. E. of corner of foundation, in post; aluminum tablet stamped "1903 1019 Adj"	1,016.251
Galena, 4 mi. E. of, 4 mi. N. of Reeds Spring, in SW. corner of stone foundation of school; aluminum tablet stamped "1903 1024 Adj"	1,021.451
Reeds Spring, 200 ft. SW. of mill, 160 ft. S. of Missouri Pacific R.R., 100 ft. S. of rd., in rear of dwelling in limestone boulder; aluminum tablet stamped "1903 1179 Adj"	1,176.366

(Continued in Forsyth No. 3 quadrangle; see line 1.)

2. FROM RENO NORTH TO SPOKANE, THENCE SOUTHWEST BY WAY OF TAURIA TO REEDS SPRING (by D. V. Vandiver in 1904-05)

Reno, opposite post office, 6 ft. S. of rd.; iron post stamped "1903 965 Adj"	963.036
Spokane, at NW. corner of store of Joe Choat, 5 ft. E. of rd.; iron post stamped "1903 1342 Adj"	1,339.103
Tauria, in SE 1/4 sec. 6, T. 24 N., R. 22 W., 41 ft. E. of State Highway 76, 280 ft. S. of rock filling sta.; iron post stamped "T T 12 W 1937 1903 1378 Adj"	1,376.104

3. FROM SPOKANE NORTH TO HIGHLANDVILLE, THENCE EAST INTO FORSYTH NO. 1 QUADRANGLE AT SEC. 20, T. 26 N., R. 21 W. (by D. V. Vandiver in 1904-05)

Highlandville, in SW. corner of foundation of post office and Major's store; aluminum tablet stamped "1903 1383 Adj"	1,380.079
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(Continued in Forsyth No. 1 quadrangle; see line 1.)

4. FROM SCHOOL NORTHEAST BY WAY OF JAMESVILLE AND RIVERDALE INTO OZARK QUADRANGLE AT SEC. 32, T. 27 N., R. 21 W. (by D. V. Vandiver in 1904-05)

School, 3 mi. E. of, 13 ft. N. of SE. corner of Union Ridge Church, in foundation; aluminum tablet	1,294.764
Jamesville, 0.6 mi. E. of, 0.1 mi. E. of rd. forks, 15 ft. S. of rd., overhanging limestone bluff, 30 ft. N. of rd.; aluminum tablet	1,040.410
Riverdale, opposite flour mill on Finley Creek, 10 ft. S. of W. end of dam across creek, in limestone ledge; aluminum tablet	1,068.782

(Continued in Ozark quadrangle; see line 2.)

5. FROM ELSEY QUADRANGLE AT SEC. 26, T. 24 N., R. 24 W., NORTHEAST TO GALENA (by P. L. Whaley in 1923)

(Continued from Elsey quadrangle; see line 3.)

T. 24 N., R. 24 W., near quarter cor. between secs. 26 and 26, 3 mi. N. of Cape Fair, about 0.5 mi. SE. of farmhouse of Dillard Stone, W. of James River, W. of rd., in root of 24-in. hard-maple tree; copper nail and washer	907.28 890.5
James River, at Carr ford; surface of water Nov. 28, 1923	
T. 24 N., R. 24 W., in NW 1/4 sec. 23, 460 ft. N. of Carr ford, S. of Carr dwelling, E. of rd., in root of 36-in. walnut tree; copper nail and washer	915.40
Galena, 2 mi. SW. of, in SW 1/4 sec. 14, T. 24 N., R. 24 W., at Gentry School, on top of high ridge, 30 ft. N. of private rd., in root of 20-in. white-oak tree; copper nail and washer	1,201.05 910.3
James River, at Gentry ford; surface of water Nov. 30, 1923	
Galena, about 1.5 mi. SW. of, about 800 ft. S. of cor. secs. 11, 12, 13, and 14, T. 24 N., R. 24 W., about 600 ft. E. of dwelling of J. R. Blunt, N. of rd., on top of sandstone ledge; chiseled square	951.98
Galena, about 1 mi. SW. of, in sec. 12, T. 24 N., R. 24 W., 30 ft. SW. of T-rd. W., in fence line, in root of 14-in. black-oak tree; nail and washer	1,199.66

6. FROM REPUBLIC QUADRANGLE AT SEC. 31, T. 27 N., R. 21 W., WEST BY WAY OF RIVERDALE INTO REPUBLIC QUADRANGLE AT SEC. 36, T. 27 N., R. 22 W. (by Charles E. Hunter in 1936)

(Continued from Republic quadrangle; see line 11.)

T. 27 N., R. 21 W., near quarter cor. between secs. 31 and 32, 5 mi. SW. of Ozark, 15 ft. N. and 450 ft. W. from T-rd. W., at SW. corner of yard of Eastern Star School, in root on SW. side of 14-in. maple tree; copper nail and washer	1,241.24
T-rd. N., 15 ft. S. and 10 ft. W. from, in root on N. side of twin 5-in. sycamore tree; copper nail and washer	1,132.15
Riverdale, in SE 1/4 sec. 36, T. 27 N., R. 22 W., at NW. corner of bridge over Finley River, on concrete seat; chiseled square	1,076.69

(Continued in Republic quadrangle; see line 11.)

7. FROM REEDS SPRING EAST ALONG STATE HIGHWAY 76 INTO FORSYTH NO. 1 QUADRANGLE (by A. R. Friend in 1937; accuracy of figures of elevation doubtful because of insufficient connections).

	<u>Feet</u>
U.S.C. & G.S. standard disk stamped "Z 60 1934"	1,163.564
Reeds Spring, about 1.2 mi. E. of, at junction of rd. NE., on top of concrete right-of-way marker; painted cross	1,186.59
Reeds Spring, 1.4 mi. E. of, 15 ft. S. and 40 ft. E. from junction of rd. SE., on E. end of concrete head wall of culvert; chiseled square	1,264.74
Reeds Spring, about 3 mi. E. of, 125 ft. S. and 200 ft. E. from junction of U.S. Highway 65, in concrete post; standard tablet stamped "2020 E R A 1935"	1,435.435
Reeds Spring, about 3.6 mi. E. of, 20 ft. N. and 10 ft. W. from highway at entrance to barnyard, on concrete head wall of culvert; chiseled square	1,391.77
Reeds Spring, 4.5 mi. E. of, 40 ft. N. and 5 ft. E. from highway at fence N., 120 ft. N. and 4 ft. W. from small dwelling, in concrete post; standard tablet stamped "2019 E R A 1935"	1,383.395
Reeds Spring, about 5.6 mi. E. of, 50 ft. N. and 20 ft. E. from junction of rd. N. to Day, in root on W. side of 10-in. black-oak tree; copper nail and washer	1,368.16
Reeds Spring, about 6 mi. E. of, at junction of rd. N., on N. end of base of gasoline pumps; chiseled square	1,375.40

(For balance in Forsyth No. 3 quadrangle, see line 16.)

Reeds Spring, about 8 mi. E. of, 15 ft. N. and 10 ft. W. from junction of private rd. N., on N. concrete head wall of culvert; chiseled square	1,293.26
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(Continued in Forsyth No. 1 quadrangle; see line 6.)

8. FROM ELSEY QUADRANGLE NORTH ALONG MISSOURI PACIFIC RAILROAD INTO ELSEY QUADRANGLE (by W. V. Kennedy in 1938)

(Continued from Elsey quadrangle; see line 6.)

Quail, 1.4 mi. N. of, 230 ft. S. of rd. crossing, 50 ft. SE. of track, in root on W. side of 12-in. elm tree; copper nail and washer	1,061.16
Hurley, 0.9 mi. S. of, 63 ft. E. of rd. crossing, on SW. corner of concrete bridge; chiseled square	1,056.92
Hurley, 35 ft. S. and 42 ft. W. from crossing of Main Street, 5 ft. E. of brick building, in concrete post; standard tablet stamped "Prim Trav Sta No 36 S 1924 Mo"	1,079.623
Hurley, 1.2 mi. N. of, 260 ft. N. and 50 ft. W. from rd. crossing, in root on N. side of 20-in. elm tree; copper nail and washer	1,101.31
Rd. crossing, 55 ft. W. of, in root on S. side of 10-in. sycamore tree; crossed nails	1,109.40

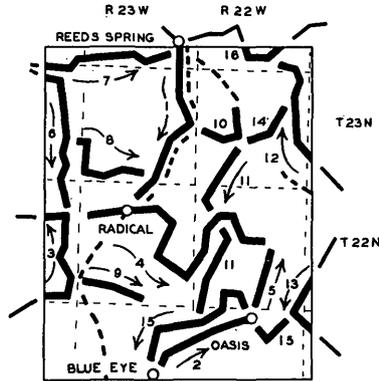
(Continued in Elsey quadrangle; see line 6.)

For additional level lines along Missouri Pacific R.R., refer to United States Coast and Geodetic Survey second-order line, Aurora, Mo. to Harrison, Ark.

## SPIRIT LEVELING IN MISSOURI

FORSYTH NO. 3 QUADRANGLE  
(Latitude 36°30'-36°45'; longitude 93°15'-93°30')

Stone and Taney Counties



1. FROM FORSYTH NO. 2 QUADRANGLE AT REEDS SPRING, SOUTH TO RADICAL  
(by D. V. Vandiver in 1904-05)  
(Continued from Forsyth No. 2 quadrangle; see line 1.)

	<u>Feet</u>
Reeds Spring, 3.5 mi. S. of, in SW. corner of Oakland School; aluminum tablet stamped "1903 1380 Adj"	1,377.438
Radical, 1 mi. SE. of, 0.2 mi. N. of Mabry Ferry, in SE. corner of stone chimney of Thomas dwelling; aluminum tablet stamped "1903 783 Adj" (probably destroyed)	780.632

2. FROM BLUE EYE NORTH AND EAST TO OASIS, FORMERLY CEDAR VALLEY  
(by D. V. Vandiver in 1904-05)

Blue Eye, 1 mi. N. of, at rd. forks, in SE. corner of stone foundation of dwelling of Rube Butler; aluminum tablet stamped "1903 1291 Adj"	1,288.810
Blue Eye, 5.6 mi. NE. of, along State Highway 86, near junction of rd. N. to Galena, S. of highway, in sandstone chimney of dwelling of Jim Compton; aluminum tablet stamped "1903 1302 Adj"	1,299.113
Oasis (formerly Cedar Valley), in NE 1/4 sec. 10, T. 21 N., R. 22 W., S. of rd., in N. face of sandstone foundation of dwelling, W. of cellar door; aluminum tablet stamped "T T 31 W 1937 1903 821 Adj"	818.732

3. FROM SHELL KNOB QUADRANGLE AT SEC. 35, T. 22 N., R. 24 W., NORTH AND WEST INTO SHELL KNOB QUADRANGLE AT SEC. 14, T. 22 N., R. 24 W. (by W. R. Broadus in 1923-24)  
(Continued from Shell Knob quadrangle; see line 2.)

Baxter, 140 ft. NE. of post office, near quarter cor. between secs. 35 and 36, T. 22 N., R. 24 W., 20 ft. SE. of rd., in root on N. side of 14-in. post-oak tree; copper nail and washer	1,019.35
T. 22 N., R. 24 W., in NE 1/4 sec. 25, 20 ft. NW. of rd. forks, in line with rd. SE., 2 ft. E. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 20 L S 1923 Mo"	1,049.560
Reference mark, 138 ft. S. 25° E. of tablet, 20 ft. E. of rd., in root on S. side of 24-in. white-oak tree; copper nail and washer	1,048.96
T. 22 N., R. 24 W., about 600 ft. W. of quarter cor. between secs. 12 and 13, 70 ft. E. of rd. corner, 25 ft. S. of rd., 80 ft. S. of dwelling of W. T. Townsend, 4 ft. S. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 21 L S 1923 Mo"	902.199
Reference mark, 60 ft. N. 80° W. of tablet, in root on S. side of 22-in. white-oak tree; nail and washer	899.82
T. 22 N., R. 24 W., in S 1/2 sec. 12, at bridge over White River, on top of SE. corner of pier under N. approach; chiseled square	801.09
T. 22 N., R. 24 W., in NE 1/4 sec. 14, about 300 ft. W. of Wolf Pen Creek ford, at rd. junction, 25 ft. S. of rd. W., in line with rd. S., 7 ft. W. of fence corner, in fence line, in root on E. side of 14-in. white-oak tree; copper nail and washer	802.02

(Continued in Shell Knob quadrangle; see line 3.)

4. FROM SEC. 7, T. 22 N., R. 23 W., EAST TO RADICAL, THENCE EAST UP WHITE RIVER TO TABLE ROCK DAM SITE (leveled twice by W. R. Broaddus in 1923-24)	
T. 22 N., R. 23 W., near quarter cor. between secs. 7 and 18, at bridge over James River, on top of NW. corner of NW. pier; chiseled square	<u>Feet</u> 792.59
T. 22 N., R. 23 W., near quarter cor. between secs. 7 and 8, 0.2 mi. NE. of Naked Joe Mountain, in saddle, 10 ft. E. of rd. junction, at mail box, in root on S. side of 16-in. post-oak tree; copper nail and washer	1,087.35
T. 22 N., R. 23 W., in NW 1/4 sec. 9, about 0.4 mi. SE. of dwelling of Cleo Owen, at old site of Radical post office, 280 ft. NW. of dwelling of Tillmon Shepard, 4 ft. N. of dim rd., in limestone ledge; standard tablet stamped "1921 Mo"	902.822
Reference mark, 16 ft. S. 15° W. of tablet, in root on N. side of 30-in. post-oak tree; nail and washer	902.43
T. 22 N., R. 23 W.; near S. sixteenth cor. sec. 9, 25 ft. W. of Mabry Ferry rd., 25 ft. NE. of Thomas dwelling, in root on E. side of 12-in. walnut tree; nail and washer	777.54
T. 22 N., R. 23 W., in sec. 9, on top of NE. corner of E. abutment of bridge over White River; chiseled square	782.61
T. 22 N., R. 23 W., in SE 1/4 sec. 10, about 0.2 mi. S. of White River, 150 ft. N. of dwelling, in root on N. side of 24-in. cedar tree; copper nail and washer	800.74
T. 22 N., R. 23 W., near N. sixteenth cor. sec. 14, on top of ridge, 300 ft. N. and 560 ft. W. from dwelling, 37 ft. N. of E.-W. rd., in top of limestone ledge; standard tablet stamped "B 1923"	905.869
Reference mark, 12 ft. S. 85° E. of tablet, in root on SW. side of 14-in. sugar-maple tree; copper nail and washer	906.32
T. 22 N., R. 23 W., in SW 1/4 sec. 14, on W. bank of White River, 0.2 mi. below Whiterock Bluff, 85 ft. N. of mouth of small creek, in fence line, in root on S. side of 12-in. walnut tree; copper nail and washer	765.37
T. 22 N., R. 23 W., near quarter cor. between secs. 22 and 23, 275 ft. E. of E. bank of White River, in old E.-W. hedge-fence row, in root on S. side of 10-in. ash tree; copper nail and washer	763.06
T. 22 N., R. 23 W., in NW 1/4 sec. 26, on N. bank of White River, about 400 ft. below mouth of Little Cow Creek, 50 ft. N. of mouth of small drain, in root on E. side of 24-in. water-oak tree; copper nail and washer	750.52
T. 22 N., R. 23 W., in SE 1/4 sec. 26, in White River bottom, 35 ft. E. of rd. junction, in root on S. side of 14-in. elm tree; copper nail and washer	772.42
T. 22 N., R. 23 W., in SE 1/4 sec. 26, about 0.4 mi. SW. of Marmaros post office, 180 ft. N. of rd. junction, in top of limestone ledge; standard tablet stamped "B 1924"	885.753
Reference mark, 14 ft. N. 70° W. of tablet, in root on S. side of leaning 14-in. hickory tree; copper nail and washer	888.09
T. 22 N., R. 23 W., in NE 1/4 sec. 36, on N. bank of White River, 600 ft. E. of end of bluff along river, in root on E. side of 14-in. walnut tree; copper nail and washer	758.48
T. 22 N., R. 22 W., near cor. secs. 19, 20, 29, and 30, on W. bank of White River, 350 ft. N. of S. end of narrow field, in root on W. side of 16-in. elm tree; copper nail and washer	728.36
T. 22 N., R. 22 W., in NW 1/4 sec. 20, 150 ft. E. of White River, 12 ft. S. of fence at S. end of long field, in root on E. side of 24-in. locust tree; copper nail and washer	739.59
T. 22 N., R. 22 W., in NW 1/4 sec. 17, on E. bank of White River, 350 ft. below mouth of Indian Creek, 90 ft. SW. of rd. corner, in crotch of small, twin oak tree; copper nail and washer	752.78
T. 22 N., R. 22 W., in NW 1/4 sec. 17, at top of ridge, 300 ft. W. of E.-W. rd., 10 ft. S. of rd., in top of limestone ledge; standard tablet stamped "B 1924"	906.837
Reference mark, 24 ft. N. 45° W. of tablet, in root on S. side of 14-in. black-oak tree; copper nail and washer	905.74
T. 22 N., R. 22 W., in SW 1/4 sec. 9, 200 ft. S. of S. bank of White River, opposite junction of small creek, at W. edge of narrow neck of woods extending from bluff to river bank, in root on SW. side of 36-in. white-oak tree; copper nail and washer	744.95
T. 22 N., R. 22 W., near center sec. 16, 380 ft. W. of White River, on N. bank of small drain, in root on E. side of 12-in. walnut tree; copper nail and washer	738.71
T. 22 N., R. 22 W., in SE 1/4 NE 1/4 sec. 21, 300 ft. S. of mouth of Long Creek, on E. bank of creek at ford, in N. side of 36-in. burr-oak tree; copper nail and washer	719.38
T. 22 N., R. 22 W., in NE 1/4 sec. 22, on S. bank of White River, at E. end of bluff along river, 50 ft. E. of drain, in fence line, in root on N. side of 24-in. sugar-maple tree; copper nail and washer	732.36
T. 22 N., R. 22 W., in NE 1/4 sec. 23, on S. bank of White River, 400 ft. W. of ford across river, 50 ft. E. of mouth of small drain, in root on W. side of 48-in. sycamore tree; copper nail and washer	715.57
T. 22 N., R. 22 W., in NW 1/4 NE 1/4 sec. 23, on point of ridge opposite Table Rock, 106 ft. above White River, 75 ft. E. of surveyed line for proposed dam, in top of limestone ledge; standard tablet stamped "B 1924"	808.617
Reference mark, 64 ft. E. of tablet, in root on W. side of blazed 8-in. post-oak tree; copper nail and washer	803.21

5. FROM OASIS, FORMERLY CEDAR VALLEY, NORTHEAST TO TABLE ROCK DAM SITE (by W. R. Broadus in 1924)

	<u>Feet</u>
T. 21 N., R. 22 W., near quarter cor. between secs. 3 and 10, on E. bank of Long Creek, 25 ft. E. of rd. junction, in root on W. side of 10-in. ash tree; copper nail and washer	804.90
T. 21 N., R. 22 W., in NW 1/4 sec. 2, 170 ft. N. of ford across Long Creek, 55 ft. W. of rd., in root on S. side of leaning 26-in. oak tree; copper nail and washer	782.89
T. 22 N., R. 22 W., quarter cor. between secs. 34 and 35, at Cedar Valley School, 30 ft. N. and 60 ft. W. from rd. junction, 5 ft. S. and 15 ft. W. from fence corner, in root on S. side of 10-in. post-oak tree; copper nail and washer	837.24
T. 22 N., R. 22 W., in SE 1/4 sec. 27, at front of dwelling of I. C. McFarland, 10 ft. W. of N.-S. rd., in root on N. side of 12-in. elm tree; copper nail and washer	956.88
T. 22 N., R. 22 W., about 0.1 mi. N. of cor. secs. 22, 23, 26, and 27, 55 ft. E. of rd. forks, in root on S. side of 12-in. elm tree; copper nail and washer	1,010.20
T. 22 N., R. 22 W., in NE 1/4 sec. 23, 320 ft. above White River, at Table Rock overlooking river, 135 ft. E. of surveyed line for proposed dam, in limestone ledge; (mark not described)	1,022.13
Reference mark, 21 ft. N., in root on N. side of 9-in. oak tree; copper nail and washer	1,010.56

6. FROM SHELL KNOB QUADRANGLE AT SEC. 2, T. 23 N., R. 24 W., SOUTH TO SEC. 12, T. 22 N., R. 24 W. (levelled twice by F. L. Whaley in 1923-24)

T. 23 N., R. 24 W., near center sec. 2, about 0.8 mi. E. of Cape Fair, E. of rd. on bluff above James River, in root of 15-in. oak tree; copper nail and washer	1,006.33
T. 23 N., R. 24 W., near NW. cor. sec. 11, 1.2 mi. SE. of Cape Fair, about 130 ft. N. of Bearden Camp Club, S. of Webster ford across James River, in root of 40-in. elm tree; copper nail and washer	873.98 869.1
T. 23 N., R. 24 W., near center sec. 11, 2 mi. SE. of Cape Fair, about 0.5 mi. S. of Webster ford, 70 ft. SE. of rd. forks, E. of rd., in root of 20-in. white-oak tree; copper nail and washer	1,003.06
T. 23 N., R. 24 W., in sec. 14, 2.5 mi. SE. of Cape Fair, 0.3 mi. N. of dwelling of John I. Jones, W. of rd., in root of 14-in. red-oak tree; copper nail and washer	1,183.83
T. 23 N., R. 24 W., near quarter cor. between secs. 13 and 14, on top of ridge, at NW. corner of triangle formed by rd. forks, in root of small tree; copper nail and washer	1,234.24
T. 23 N., R. 24 W., near quarter cor. between secs. 13 and 14, on top of ridge, at rd. forks, N. of rd., S. of old store building used as barn, in root of 14-in. white-oak tree; copper nail and washer	1,242.46
T. 23 N., R. 24 W., near quarter cor. between secs. 13 and 14, at top of ridge, 500 ft. N. of dwelling of John I. Jones, at NW. corner of triangle formed by rd. forks, in concrete post; standard tablet stamped "Prim Trav Sta No 21 L S-W 1923"	1,230.432
T. 23 N., R. 24 W., near cor. secs. 13, 14, 23, and 24, 2.7 mi. S. of Webster ford, 100 ft. S. of rd. at draw, in root of 18-in. water-oak tree; copper nail and washer	1,072.42
T. 23 N., R. 24 W., near cor. secs. 23, 24, 25, and 26, about 200 ft. E. of junction of Jackson Hollow rd., N. of rd., in root of 26-in. black-oak tree; copper nail and washer	822.75
T. 23 N., R. 24 W., near E. sixteenth cor. sec. 25, on S. bank of James River, about 200 ft. below Tom Stewart ford, in root of 20-in. elm tree; copper nail and washer	789.25
T. 23 N., R. 24 W., in NW 1/4 sec. 36, 104 ft. S. and 18 ft. E. from SE. corner of dwelling of Cleo Foster, 40 ft. S. of rd., in limestone rock; standard tablet stamped "T T 38 W 1937" (Above tablet set in same position and at approximately the same elevation as tablet stamped "Prim Trav Sta No 26 L S W 1923 Mo" which O. W. Williams in 1937 reported destroyed.)	962.026
Reference mark, 100 ft. S. 48° W. of tablet, in root of 12-in. black-oak tree; copper nail and washer	962.66
T. 23 N., R. 24 W., near center sec. 35, about 0.3 mi. S. of school, W. of rd., in root of 10-in. post-oak tree; copper nail and washer	1,092.71
T. 22 N., R. 24 W., in SE 1/4 sec. 2, 60 ft. S. and 50 ft. E. from dwelling of Roscoe Pack, in concrete post; standard tablet stamped "Prim Trav Sta No 25 S 1923 Mo"	1,264.191
Reference mark, 540 ft. S. 30° E. of tablet, about 50 ft. NW. of junction of dim trail, W. of rd., in root of 10-in. hickory tree; copper nail and washer	1,244.55
T. 22 N., R. 24 W., near quarter cor. between secs. 11 and 12, about 0.9 mi. N. of bridge over White River, 130 ft. S. of head of draw, E. of rd., on top of rock ledge outcrop; chiseled square	1,054.38

7. FROM SHELL KNOB QUADRANGLE AT SEC. 2, T. 23 N., R. 24 W., EAST ALONG COUNTY ROUTE C TO SEC. 35, T. 24 N., R. 23 W. (by F. C. Lentz in 1937)

(Continued from Shell Knob quadrangle; see line 11.)

	<u>Feet</u>
T. 23 N., R. 24 W., quarter cor. between secs. 2 and 11, at SE corner of concrete bridge over James River, on top of abutment; chiseled square	892.57
Concrete bridge over James River, about 0.9 mi. NE. of, 30 ft. E. of highway, in root of 14-in. elm tree; copper nail and washer	1,063.33
Concrete bridge over James River, about 1.5 mi. NE. of, near top of hill, 30 ft. SW. of curve in highway, 150 ft. NE. of old shed, in root on W. side of 30-in. black-oak tree; copper nail and washer	1,179.30
Concrete bridge over James River, about 2.2 mi. NE. of, 25 ft. N. of highway, 150 ft. E. of barn, in root on N. side of 20-in. oak tree; copper nail and washer	1,230.96
T. 24 N., R. 23 W., in SW 1/4 sec. 31, 70 ft. SE. of junction of rd. SE., 39 ft. S. of highway, 23 ft. E. of rd., 1 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 15 C 1936"	1,328.457
T. 24 N., R. 23 W., in SW 1/4 sec. 32, 30 ft. NW. of highway, 15 ft. E. of rd. N., in root on W. side of 10-in. black-oak tree; copper nail and washer	1,325.76
T. 24 N., R. 23 W., in NW 1/4 sec. 33, 40 ft. S. and 85 ft. E. from junction of rd. E., 250 ft. W. of old barn, in root on W. side of 12-in. hickory tree; copper nail and washer	1,378.15
Reeds Spring, 1 mi. S., thence 2.5 mi. W. from, in SE 1/4 sec. 33, T. 24 N., R. 23 W., 10 ft. N. and 35 ft. E. from N.-S. crossroad, in concrete post; standard tablet stamped "2021 E R A 1935"	1,301.636
Reeds Spring, 1 mi. S., thence about 0.8 mi. W. from, on line between secs. 34 and 35; T. 24 N., R. 23 W., 50 ft. N. and 30 ft. E. from N.-S. crossroad, in root on S. side of 26-in. black-oak tree; copper nail and washer	1,424.41
U.S.C. & G.S. standard disk stamped "C 60 1934"	1,276.526

8. FROM SEC. 25, T. 23 N., R. 24 W., EAST TO STATE HIGHWAY 13 AT POINT 8.2 MILES SOUTH OF REEDS SPRING (by F. C. Lentz in 1937; accuracy of figures of elevation doubtful because of insufficient connections).

T. 23 N., R. 24 W., near E. sixteenth cor. sec. 25, 200 ft. S. of James River, 250 ft. NW. of log cabin, in root on W. side of 20-in. sycamore tree; copper nail and washer	796.22
T. 23 N., R. 24 W., near center sec. 36, 350 ft. E. of James River, 600 ft. W. of dwelling, 15 ft. N. of gate, in root on W. side of 16-in. walnut tree; copper nail and washer	803.00
T. 23 N., R. 23 W., in SW 1/4 sec. 31, 500 ft. S. of Aunts Creek, 50 ft. W. of log cabin, 10 ft. N. of dim rd., in root on N. side of 34-in. elm tree; copper nail and washer	885.52
T. 23 N., R. 23 W., in NW 1/4 sec. 32, 600 ft. SE. of log cabin, 5 ft. S. of rd., in root on N. side of 24-in. black-oak tree; copper nail and washer	1,089.43
T. 23 N., R. 23 W., in SW 1/4 sec. 29, 40 ft. N. and 30 ft. E. from NE. corner of small dwelling, 10 ft. S. of rd., 1 ft. N. of fence, in concrete post; standard tablet stamped "4 L 1937"	1,200.491
T. 23 N., R. 23 W., about 0.2 mi. W. of quarter cor. between secs. 28 and 29, 100 ft. SW. of rd. forks, 100 ft. N. of log cabin, in root on S. side of 10-in. oak tree; copper nail and washer	1,255.72
Schooner School, about 0.2 mi. N. of, 15 ft. S. and 35 ft. W. from State Highway 13 at rd. W., on concrete head wall of culvert; chiseled square	1,370.70
U.S.C. & G.S. standard disk stamped "X 59 1934"	1,371.736

9. FROM SEC. 25, T. 22 N., R. 24 W., EAST ALONG STATE HIGHWAY 86 TO STATE HIGHWAY 13 AT POINT 6.4 MILES NORTH OF BLUE EYE (by F. C. Lentz in 1937)

T. 22 N., R. 24 W., in NW 1/4 NE 1/4 sec. 25, 20 ft. NW. of rd. forks, in line with rd. SE., 2 ft. E. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 20 L S 1923 Mo"	1,049.560
Reference mark, 120 ft. SE. of tablet, in root on W. side of 14-in. white-oak tree; copper nail and washer	1,046.96
Breadtray Mountain, in saddle on NE. side of, 15 ft. S. of rd., on limestone ledge; chiseled square	1,163.31
T. 22 N., R. 23 W., in SW 1/4 sec. 30, 85 ft. N. of junction of rd. NW., in root on SE. side of 14-in. white-oak tree; copper nail and washer	1,084.43
T. 22 N., R. 23 W., in SE 1/4 sec. 30, 35 ft. SW. of highway, 75 ft. S. of rd. NW., in root of 14-in. white-oak tree; copper nail and washer	1,102.78
Junction of State Highway 13, about 1.2 mi. W. of, 40 ft. SW. of highway, 40 ft. N. of rd. NW., in root on E. side of 20-in. white-oak tree; copper nail and washer	1,244.38
U.S.C. & G.S. standard disk stamped "S 59 1934"	1,312.747

10. FROM MISSOURI-PACIFIC RAILROAD AT POINT 3.9 MILES SOUTHEAST OF REEDS SPRING, NORTHWEST ALONG STATE HIGHWAY 78 TO STATE HIGHWAY 13 AT POINT 4.8 MILES SOUTH OF REEDS SPRING (by F. C. Lentz in 1937)

U.S.C. & G.S. standard disk stamped "B 61 1934"	1,041.113
Rd. crossing, about 0.2 mi. S. of, in fence line, in root on W. side of 16-in. white-oak tree; copper nail and washer	1,008.12

	<u>Feet</u>
Junction of State Highway 13, 1.7 mi. E. of, 145 ft. SE. of SE. corner of dwelling, 30 ft. N. of highway, 5 ft. W. of 20-in. black-oak tree, in fence corner, in concrete post; standard tablet stamped "3 L 1937"	1,328.000
Junction of State Highway 13, about 0.8 mi. E. of, 35 ft. N. of highway, in root on S. side of 32-in. black-oak tree; copper nail and washer	1,332.59
T. 23 N., R. 23 W., in NE 1/4 sec. 13, 65 ft. N. and 20 ft. E. from junction of State Highway 13, on head wall of concrete culvert; chiseled square	1,361.83
U.S.C. & G.S. standard disk stamped "Z 59 1934"	1,383.504

11. FROM NOTCH SOUTH ALONG INDIAN RIDGE ROAD TO COOMBS FERRY, THENCE SOUTH ALONG COOMBS FERRY ROAD TO SEC. 7, T. 21 N., R. 22 W. (by J. J. Crane in 1937)

Notch, 300 ft. W. of post office, in SW 1/4 sec. 20, T. 23 N., R. 22 W., 25 ft. NE. of State Highway 78, in root of 24-in. black-oak tree; copper nail and washer	1,329.65
Notch, 0.5 mi. S. of post office, 0.2 mi. S. of State Highway 78, 5 ft. S. of dim rd. at entrance to Marvel Cave, in root on N. side of 30-in. white-oak tree; copper nail and washer	1,311.98
Notch, 1 mi. S. of post office, 0.8 mi. S. of State Highway 78, 10 ft. S. of rd., in root on N. side of 8-in. hickory tree; copper nail and washer	1,239.94
Notch, 1.3 mi. S. of post office, E. of rd., in root on S. side of 15-in. white-oak tree; copper nail and washer	1,252.95
Notch, 1.8 mi. S. of post office, near center sec. 32, T. 23 N., R. 22 W., 15 ft. E. of rd., in concrete post; standard tablet stamped "5 L 1937"	1,227.820
Marvel Cave, 2.6 mi. S. of, in sec. 5, T. 22 N., R. 22 W., 30 ft. W. of rd., in root on E. side of 16-in. post-oak tree; copper nail and washer	1,044.55
Marvel Cave, about 3.8 mi. S. of, in sec. 8, T. 22 N., R. 22 W., 12 ft. E. of rd., in root on W. side of 14-in. white-oak tree; copper nail and washer	905.07
Coombs Ferry, about 0.3 mi. W. of, about 0.2 mi. W. of junction of Indian Creek and White River, 275 ft. N. of creek, about 400 ft. E. of rd., in center of open field, in S. side of 16-in. walnut tree; copper nail and washer	743.92
Coombs Ferry, 0.5 mi. E. of, 50 ft. S. and 25 ft. W. from junction of rd. W., in N. side of 17-in. black-oak tree; copper nail and washer	870.23
Coombs Ferry, 1.8 mi. SE. of, 200 ft. SW. of SW. corner of Center Point Church, 25 ft. E. of rd., in root on E. side of 10-in. post-oak tree; copper nail and washer	974.54
Coombs Ferry, about 2.5 mi. SE. of, in triangle formed by junction of private rd. S., 15 ft. S. of rd., 10 ft. W. of private rd., in root on S. side of 20-in. black-oak tree; copper nail and washer	1,020.76
Coombs Ferry, 3.5 mi. S. of, 100 ft. S. of junction of dim rd. E., 25 ft. W. of rd., in root on E. side of 10-in. pin-oak tree; copper nail and washer	1,019.38
Coombs Ferry, 4.5 mi. S. of, 125 ft. N. of farmhouse of J. M. White, 15 ft. W. of rd., in root on E. side of 22-in. black-oak tree; copper nail and washer	1,217.91
Coombs Ferry, about 5.8 mi. S. of, about 1.8 mi. N. of State Highway 86, 20 ft. W. of canning factory, 140 ft. S. of dwelling of George Doddson, 15 ft. E. of rd., in root on E. side of 24-in. black-oak tree; copper nail and washer	1,264.50

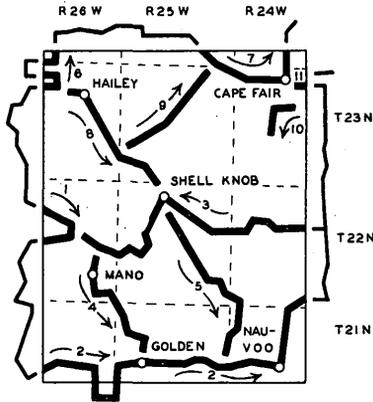
12. FROM FORSYTH NO. 4 QUADRANGLE NORTHWEST ALONG U.S. HIGHWAY 65 TO SEC. 26, T. 24 N., R. 22 W. (by J. J. Crane in 1937)  
(Continued from Forsyth No. 4 quadrangle; see line 11.)

Branson, 3.5 mi. NW. of, 43 ft. N. and 54 ft. E. from junction of rd. E., opposite Sprigg's Camp, in concrete post; standard tablet stamped "T T 30 W 1937"	1,072.768
Reference mark, 20 ft. S. and 50 ft. W. from tablet, on N. end of head wall of concrete culvert; chiseled square	1,065.11
Branson, 4.2 mi. NW. of, 15 ft. W. of highway, 60 ft. N. of rd. W., on rock ledge; chiseled square	1,052.91
Junction of private rd., on N. head wall of culvert; chiseled square	1,155.52
Branson, 5.4 mi. NW. of, at Chula Vista service sta., 85 ft. NE. of highway, on E. end of base of gasoline pump; chiseled square	1,304.32
Branson, 6.6 mi. NW. of, 175 ft. W. of junction of dim rd. W., 95 ft. S. of dwelling of M. T. Tipsord, 10 ft. N. of rd. W., in root on S. side of 24-in. black-oak tree; copper nail and washer	1,304.95
Branson, 6.9 mi. NW. of, 12 ft. S. and 53 ft. W. from junction of rd. to Garber and Log Church, 2 ft. E. of fence, in concrete post; standard tablet stamped "T T 29 W 1937"	1,342.201
Branson, 7.9 mi. NW. of, 350 ft. N. of farmhouse of A. N. Nicken, 50 ft. S. of highway, 15 ft. E. of rd. W., in root on SE. side of 24-in. black-oak tree; copper nail and washer	1,319.92
Branson, 9 mi. NW. of, 125 ft. N. of NE. corner of Boston Ridge School, 30 ft. W. of highway, in root on E. side of 18-in. black-oak tree; copper nail and washer	1,342.65
Irma triangulation sta.; U.S.C. & G.S. standard disk stamped "Irma 1928"	1,406.275

13. FROM FORSYTH NO. 4 QUADRANGLE SOUTHWEST AND SOUTHEAST ALONG U.S. HIGHWAY 65 INTO FORSYTH NO. 4 QUADRANGLE (by J. J. Crane in 1937)  
(Continued from Forsyth No. 4 quadrangle; see line 12.)
- |   | <u>Feet</u> |
|---|-------------|
| Thomason triangulation sta.; U.S.C. & G.S. standard disk stamped "Thomason 1928"  | 1,346.266   |
| Hollister, 7.2 mi. SW. of, 60 ft. W. of highway, 30 ft. N. of rd. E., in root on E. side of 20-in. white-oak tree; copper nail and washer | 1,296.44    |
| (Continued in Forsyth No. 4 quadrangle; see line 12.)   |             |
14. FROM MISSOURI PACIFIC RAILROAD AT GARBER NORTHEAST TO U.S. HIGHWAY 65 AT POINT 6.9 MILES NORTHWEST OF BRANSON (by J. J. Crane in 1937)
- |   |          |
|---|----------|
| U.S.C. & G.S. standard disk designated "E 61 1934" (actually stamped "E 60 1934")   | 813.227  |
| Small creek, 50 ft. E. of, 12 ft. N. of rd., in root on SE. side of 20-in. walnut tree; crossed nails   | 816.33   |
| Garber, 0.8 mi. NE. of, in NW 1/4 sec. 14, T. 23 N., R. 22 W., 45 ft. S. and 30 ft. E. from rd. forks, in E. side of white-oak tree; copper nail and washer   | 1,064.83 |
| Garber, about 1.3 mi. NE. of, 1 mi. SW. of U.S. Highway 65, on narrow slope of ridge, 20 ft. S. and 25 ft. W. from junction of dim rd. E., in root on E. side of 24-in. post-oak tree; copper nail and washer | 1,168.51 |
15. FROM SEC. 36, T. 22 N., R. 22 W., SOUTHWEST ALONG COUNTY ROUTE P AND STATE HIGHWAY 86 TO STATE HIGHWAY 13 AT POINT 0.3 MILE NORTH OF BLUE EYE (by J. J. Crane in 1937)
- |   |           |
|---|-----------|
| U.S. Highway 65, about 1.1 mi. SW. of, along County Route P, 15 ft. N. and 15 ft. E. from junction of rd. S., on head wall of small concrete bridge; chiseled square  | 928.77    |
| T. 21 N., R. 22 W., in NE 1/4 sec. 2, 98 ft. N. and 44 ft. W. from triangle formed by old State Highway 86 and rd. N., 20 ft. W. of rd., in concrete post; standard tablet stamped "T T 18 C 1936"  | 876.052   |
| Cedar Valley School, 0.5 mi. W. of, 135 ft. E. of highway, 20 ft. N. of rd. to school, in fence line, in root on N. side of 15-in. oak tree; copper nail and washer   | 785.69    |
| T. 22 N., R. 22 W., near center of S 1/2 sec. 33, 0.7 mi. SW. of bridge over Long Creek, 40 ft. N. of highway, 2 ft. S. of N. right-of-way line at end of curve, 1 ft. S. of fence, in concrete post; standard tablet stamped "T T 17 C 1936" | 929.134   |
| Bridge over Long Creek, about 1.5 mi. W. of, at top of hill, 35 ft. S. of highway, in root on N. side of 24-in. white-oak tree; crossed nails   | 1,207.26  |
| T. 21 N., R. 22 W., in SW 1/4 sec. 5, 40 ft. N. and 110 ft. W. from junction of rd. SE. to Oasis, in root on N. side of 22-in. white-oak tree; copper nail and washer   | 1,274.58  |
| Blue Eye, about 5 mi. NE. of, 30 ft. N. of highway, 50 ft. E. of rd. N., in root on N. side of 17-in. black-oak tree; copper nail and washer  | 1,264.93  |
| Blue Eye, about 4 mi. NE. of, 60 ft. S. of highway, in root on N. side of 24-in. black-oak tree; copper nail and washer   | 1,296.88  |
| Blue Eye, 3 mi. NE. of, 32 ft. N. and 15 ft. E. from junction of rd. N., 4 ft. N. and 2 ft. E. from fence corner at SE. corner of yard of Frank Adams, in concrete post; standard tablet stamped "T T 16 C 1936"                              | 1,328.917 |
| Blue Eye, about 1.5 mi. NE. of, 15 ft. W. of highway, in root on E. side of 36-in. black-oak tree; copper nail and washer   | 1,317.97  |
| U.S.C. & G.S. standard disk stamped "P 59 1934"   | 1,286.228 |
| U.S.C. & G.S. standard disk stamped "N 59 1934"   | 1,300.007 |
16. FROM FORSYTH NO. 2 QUADRANGLE EAST ALONG STATE HIGHWAY 76 INTO FORSYTH NO. 2 QUADRANGLE (by A. R. Friend in 1937; accuracy of figures of elevation doubtful because of insufficient connections).  
(Continued from Forsyth No. 2 quadrangle; see line 7.)
- |   |          |
|---|----------|
| T. 24 N., R. 22 W., in SW 1/4 sec. 26, 42 ft. S. and 12 ft. W. from junction of rd. S., in root on E. side of 20-in. black-oak tree; copper nail and washer | 1,382.09 |
| (Continued in Forsyth No. 2 quadrangle; see line 7.)  |          |
- For additional level lines along Missouri Pacific R.R. and State Highway 13, refer to United States Coast and Geodetic Survey second-order lines, Aurora, Mo. to Harrison, Ark. and Urbanette, Ark. to Reeds Spring, Mo.

SHELL KNOB QUADRANGLE  
(Latitude  $36^{\circ}30' - 36^{\circ}45'$ ; longitude  $93^{\circ}30' - 93^{\circ}45'$ )

Barry and Stone Counties



1. FROM CASSVILLE QUADRANGLE AT SEC. 15, T. 22 N., R. 26 W., SOUTHEAST 2.5 MILES, THENCE SOUTHWEST INTO CASSVILLE QUADRANGLE AT SEC. 28, T. 22 N., R. 26 W. (by W. R. Broadus in 1923)  
(Continued from Cassville quadrangle; see line 1.)

	<u>Feet</u>
T. 22 N., R. 26 W., in NE 1/4 SW 1/4 sec. 15, 1.2 mi. SE. of Accident School, in Rock Creek Valley, opposite junction of Natural Bridge Hollow, about 30 ft. SE. of dwelling, 10 ft. N. of rd., in root on S. side of 24-in. sycamore tree; copper nail and washer	1,018.29
T. 22 N., R. 26 W., near quarter cor. between secs. 14 and 23, in Rock Creek Valley, 100 ft. E. of private ford across Rock Creek, 200 ft. N. of old dwelling, 10 ft. SW. of rd., in concrete post; standard tablet stamped "B 1923 Mo"	987.073
Reference mark, at Keeling mail box, in root on N. side of 18-in. hackberry tree; copper nail and washer	986.69
T. 22 N., R. 26 W., in SW 1/4 SE 1/4 sec. 22, on top of ridge, in saddle, 70 ft. SE. of junction of E.-W. rd. and trail NE., 10 ft. S. of rd., in root on W. side of 24-in. white-oak tree; copper nail and washer	1,395.72

(Continued in Cassville quadrangle; see line 1.)

2. FROM CASSVILLE QUADRANGLE AT SEC. 28, T. 21 N., R. 26 W., EAST TO NAUVOO, THENCE NORTH ABOUT 5 MILES INTO FORSYTH NO. 3 QUADRANGLE AT SEC. 35, T. 22 N., R. 24 W., INCLUDING THAT PART OF THE LINE IN EUREKA SPRINGS NO. 1 QUADRANGLE, ARKANSAS (by W. R. Broadus in 1923)  
(Continued from Cassville quadrangle; see line 1.)

T. 21 N., R. 26 W., 1,190 ft. S. of E. sixteenth cor. between secs. 21 and 28, 37 ft. E. of Ruark's general store, 12 ft. E. of N.-S. rd., 2 ft. W. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 9 L S 1923 Mo"	1,031.135
Reference mark, 183 ft. S. $5^{\circ}$ W. of tablet, 35 ft. S. of N.-S. rd. at curve SW. down river bluff, in root on N. side of 8-in. white-oak tree; copper nail and washer	1,024.90
T. 21 N., R. 26 W., near quarter cor. between secs. 22 and 27, on top of ridge, at rd. corner from SW.-E., 25 ft. E. of stone fence, in line with wire fence S. of rd. E., in root on E. side of 20-in. black-oak tree; nail and washer	1,104.21
T. 21 N., R. 26 W., W. sixteenth cor. between secs. 23 and 26, 70 ft. S. and 13 ft. E. from crossroads, in fence corner, in root on NW. side of 18-in. walnut tree; copper nail and washer	1,056.36
T. 21 N., R. 26 W., near center of NE 1/4 sec. 26, 10 ft. S. and 200 ft. W. from rd. corner W.-S., in root on NW. side of 30-in. white-oak tree; copper nail and washer	1,103.32
T. 21 N., R. 26 W., on line between secs. 25 and 26, on Ark.-Mo. State line, 15 ft. S. and 10 ft. W. from rd. junction opposite Oakhill general store, E. of gate, in foot on N. side of 10-in. post-oak tree; nail and washer	1,075.74
T. 21 N., R. 25 W., in SW 1/4 sec. 30, on Ark.-Mo. State line, on top of hill, 8 ft. N. of E.-W. rd., 90 ft. E. of fence, in limestone ledge; standard tablet stamped "Prim Trav Sta No 10 L S 1923 Mo"	1,158.081
Reference mark, 61 ft. S. $75^{\circ}$ E. of tablet, S. of rd., in root on NE. side of 24-in. white-oak tree; copper nail and washer	1,156.73
T. 21 N., R. 25 W., quarter cor. between secs. 19 and 30, 15 ft. S. and 15 ft. W. from T.-rd. E., 2 ft. inside of wire fence, in root on S. side of 30-in. white-oak tree; copper nail and washer	1,115.29

	Feet
T. 21 N., R. 25 W., 0.2 mi. N. of cor. secs. 19, 20, 29, and 30, at curve in rd. from SW.-N., 45 ft. S. of gate E. of rd., in root on SE. side of 8-in. white-oak tree; copper nail and washer	1,115.67
T. 21 N., R. 25 W., near center of SW 1/4 sec. 21, 1 mi. S. of Golden, 30 ft. N. and 65 ft. E. from crossroads, 28 ft. NW. of 24-in. black-oak tree, in concrete post; standard tablet stamped "B 1923 Mo"	1,144.981
Reference mark, 27 ft. S. 30° E. of tablet, 12 ft. N. of rd., in root on SE. side of 24-in. black-oak tree; copper nail and washer	1,143.17
T. 21 N., R. 25 W., W. sixteenth cor. between secs. 22 and 27, about 400 ft. E. of Liberty Church, at rd. corner from N.-E., 20 ft. E. of N.-S. rd., in line with fence N. of rd. E., in root on S. side of 14-in. white-oak tree; copper nail and washer	1,172.78
T. 21 N., R. 25 W., about 0.1 mi. W. of cor. secs. 22, 23, 26, and 27, near rd. corner from SW.-E., opposite ruins of log dwelling, 6 ft. S. of rd., in root on NE. side of black-oak tree; copper nail and washer	1,070.64
T. 21 N., R. 25 W., 370 ft. N. of quarter cor. between secs. 23 and 26, 50 ft. NW. of dwelling of Lem Prentiss, 30 ft. SE. of rd. corner W.-N., 4 ft. W. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 11 L S 1923 Mo"	1,116.064
Reference mark, 59 ft. N. 5° E. of tablet, in root on E. side of 14-in. white-oak tree; copper nail and washer	1,113.94
Kings River, at ford; surface of water at 10 a.m. Nov. 16, 1923	895.1
T. 21 N., R. 25 W., near W. sixteenth cor. sec. 24, at ford across Kings River, 20 ft. W. of W. bank of river, 25 ft. S. of rd., in root on N. side of 12-in. black-oak tree; copper nail and washer	912.72
T. 21 N., R. 25 W., 300 ft. N. of quarter cor. between secs. 24 and 25, 22 ft. N. and 6 ft. W. from rd. corner, in root on N. side of 8-in. cedar tree; copper nail and washer	1,063.30
T. 21 N., R. 24 W., in SW 1/4 sec. 19, 0.3 mi. E. of Barry-Stone county line, 25 ft. N. and 60 ft. E. from rd. junction, in front of dwelling of Charles Dick, in root on S. side of 14-in. white-oak tree; copper nail and washer	1,055.39
T. 21 N., R. 24 W., cor. secs. 19, 20, 29, and 30, 60 ft. N. and 135 ft. W. from T-rd. N., in root on S. side of 16-in. elm tree; copper nail and washer	1,033.70
T. 21 N., R. 24 W., quarter cor. between secs. 20 and 29, 35 ft. S. and 8 ft. W. from T-rd. W., in root on E. side of 14-in. tree; copper nail and washer	1,175.23
T. 21 N., R. 24 W., center of SW 1/4 sec. 21, 20 ft. N. and 160 ft. E. from T-rd. N., 160 ft. NE. of dwelling of D. B. Lawrence, in root on S. side of 16-in. white-oak tree; copper nail and washer	1,162.21
T. 21 N., R. 24 W., S. sixteenth cor. between secs. 21 and 22, 170 ft. SW. of dwelling of H. A. Leonard, 40 ft. W. of rd., in line with rd. SE., in root on E. side of 14-in. elm tree; copper nail and washer	1,006.71
Indian Creek, at ford; surface of water at 2 p.m. Nov. 21, 1923	938.7
Navoo, 205 ft. S. of S. sixteenth cor. between secs. 22 and 23,	
T. 21 N., R. 24 W., about 83 ft. N. of front door of post office, 15 ft. E. of rd., 10 ft. W. of 16-in. post-oak tree, in concrete post; standard tablet stamped "Prim Trav Sta No 18 L S 1923 Mo B"	1,133.486
Reference mark, 9 ft. E. of tablet, in root on NW. side of 16-in. post-oak tree; copper nail and washer	1,134.27
Navoo, 0.8 mi. N. of, cor. secs. 14, 15, 22, and 23, T. 21 N., R. 24 W., 55 ft. S. and 15 ft. E. from crossroads, in root on W. side of 15-in. post-oak tree; copper nail and washer	1,115.70
T. 21 N., R. 24 W., cor. secs. 10, 11, 14, and 15, 20 ft. N. and 40 ft. W. from crossroads, in root on E. side of twin sycamore tree; copper nail and washer	1,001.18
Indian Creek, in front of McCullough School; surface of water at 10 a.m. Nov. 24, 1923	862.5
T. 21 N., R. 24 W., about 600 ft. E. of quarter cor. between secs. 2 and 3, 95 ft. N. and 20 ft. E. from T-rd. W., 3 ft. W. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 19 L S 1923 Mo B"	1,038.663
Reference mark, 21 ft. S. of tablet, in root on W. side of 24-in. white-oak tree; copper nail and washer	1,039.10
Indian Creek, at ford; surface of water at 10 a.m. Nov. 26, 1923	799.2

(Continued in Forsyth No. 3 quadrangle; see line 3.)

3. FROM FORSYTH NO. 3 QUADRANGLE AT SEC. 14, T. 22 N., R. 24 W., WEST TO SHELL KNOB, THENCE SOUTHWEST AND WEST TO SEC. 24, T. 22 N., R. 26 W. (by W. R. Broadus in 1923)  
(Continued from Forsyth No. 3 quadrangle; see line 3.)

T. 22 N., R. 24 W., 450 ft. N. and 450 ft. W. from center sec. 14, 18 ft. W. of rd., 60 ft. W. (85 ft. NW. by levelman) of dwelling of J. C. Owens, in concrete post; standard tablet stamped "Prim Trav Sta No 22 L S 1923 Mo"	963.845
Reference mark, 53 ft. S. of tablet, in root on S. side of 12-in. black-oak tree; nail and washer	962.82
T. 22 N., R. 24 W., in NE 1/4 SE 1/4 sec. 15, about 0.4 mi. S. of Owens School, at rd. forks, 18 ft. W. of dwelling of W. D. Owens, in root on W. side of 14-in. white-oak tree; nail and washer	1,051.46
T. 22 N., R. 24 W., in SE 1/4 NW 1/4 sec. 15, about 0.2 mi. SW. of Owens School, 35 ft. SW. of rd. forks, in root on N. side of 14-in. hickory tree; copper nail and washer	1,171.97
T. 22 N., R. 24 W., near SE. cor. sec. 9, 18 ft. W. of rd. at junction of driveway, 130 ft. E. of dwelling of Charles Picken, in root on S. side of 24-in. post-oak tree; copper nail and washer	1,041.38

	<u>Feet</u>
T. 22 N., R. 24 W., in NW 1/4 NE 1/4 sec. 17, 200 ft. N. of mouth of Big Creek, about 600 ft. SE. of general store of S. L. Casey, at foot of bluff on E. bank of creek, 55 ft. W. of rd. junction, in root on S. side of 12-in. black-oak tree; copper nail and washer	810.59
T. 22 N., R. 24 W., in S 1/2 sec. 18, near Field School, about 13 ft. S. and 25 ft. W. from rd. corner at NE. corner of cemetery, 2 ft. N. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 23 L S 1923 Mo B"	1,167.711
Reference mark, 48 ft. N. of tablet, in root on E. side of 18-in. black-oak tree; copper nail and washer	1,169.32
T. 22 N., R. 25 W., about 0.3 mi. N. of SE. cor. sec. 13, 120 ft. W. of T-rd., S. on Barry-Stone county line, 10 ft. S. of E.-W. rd., in root on N. side of 16-in. post-oak tree; copper nail and washer	1,119.08
T. 22 N., R. 25 W., near W. sixteenth cor. sec. 13, about 0.5 mi. NW. of Shell Knob Mountain, at rd. junction, 40 ft. NE. of main rd., in line with rd. N., in root on W. side of 24-in. black-oak tree; copper nail and washer	1,118.48
T. 22 N., R. 25 W., N. sixteenth cor. sec. 14, 550 ft. S. of dwelling of Frank Kimball, at rd. corner, 15 ft. W. of N.-S. rd., in line with rd. SE., 3 ft. NW. of fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 24 L S 1923 Mo B"	1,105.866
Reference mark, at NE. corner of rd., in root on S. side of 16-in. white-oak tree; copper nail and washer	1,105.59
T. 22 N., R. 25 W., in NE 1/4 SE 1/4 sec. 10, 0.2 mi. SE. of Shell Knob School, at rd. forks, 50 ft. E. of rd. S., 6 ft. N. of fence S. of rd. E., in root on W. side of large, twin white-oak tree; copper nail and washer	1,106.43
Shell Knob School, 55 ft. S. and 35 ft. W. from SW. corner of, 110 ft. W. of center sec. 10, T. 22 N., R. 25 W., in concrete post; standard tablet stamped "Prim Trav Sta No 16 L S 1923 Mo"	1,186.046
Reference mark, 111 ft. S. 86° E. of tablet, in root on SW. side of 12-in. black-oak tree; copper nail and washer	1,184.22
Shell Knob, near N. sixteenth cor. between secs. 9 and 10, T. 22 N., R. 25 W., 30 ft. N. of front gate of yard of Christian Church, 12 ft. W. of Main Street at junction of rd. E., in root on N. side of 6-in. hickory tree; copper nail and washer	1,146.42
T. 22 N., R. 25 W., in SW 1/4 NE 1/4 sec. 16, 15 ft. N. and 50 ft. W. from rd. corner near dwelling of Joel Whittman, in root on S. side of 6-in. post-oak tree; copper nail and washer	1,001.59
T. 22 N., R. 25 W., near N. sixteenth cor. between secs. 20 and 21, on top of hill, W. of N.-S. rd., 4 ft. E. of fence, in concrete post; standard tablet stamped "Prim Trav Sta No 17 L S 1923 Mo"	1,146.045
Reference mark, 52 ft. N. 65° W. of tablet, in root on SE. side of 30-in. black-oak tree; copper nail and washer	1,116.31
T. 22 N., R. 25 W., S. sixteenth cor. sec. 20, 5 ft. S. and 12 ft. E. from T-rd. W., in root on W. side of 24-in. white-oak tree; copper nail and washer	1,051.76
T. 22 N., R. 25 W., near cor. secs. 19, 20, 29, and 30, about 1 mi. NE. of Turkey Mountain, 50 ft. S. and 20 ft. E. from rd. forks, in root on SE. side of 15-in. white-oak tree; copper nail and washer	1,050.90
T. 22 N., R. 25 W., in SE 1/4 NW 1/4 sec. 30, on N. side of Turkey Mountain, in Moccasin Gap, 4 ft. S. of highest point of rd., in root on NE. side of 30-in. post-oak tree; copper nail and washer	1,159.57
T. 22 N., R. 26 W., in NE 1/4 NW 1/4 sec. 25, 55 ft. E. of rd. forks, in root on E. side of 8-in. elm tree; copper nail and washer	1,030.21
T. 22 N., R. 26 W., in NW 1/4 sec. 24, 120 ft. S. and 15 ft. E. from rd. junction at junction of Rock Creek and East Fork of Rock Creek, in root on NW. side of 10-in. hickory tree; copper nail and washer	964.18
4. FROM MANO SOUTHEAST TO GOLDEN (by W. R. Broadus in 1923)	
T. 22 N., R. 26 W., on line between secs. 25 and 36, 52 ft. E. of Mano School, in root on SE. side of 12-in. hickory tree; copper nail and washer	1,035.66
T. 21 N., R. 25 W., in NW 1/4 NW 1/4 sec. 6, 120 ft. S. and 20 ft. W. from rd. junction, in root on N. side of 8-in. burr-oak tree; copper nail and washer	1,057.69
T. 21 N., R. 25 W., in SE 1/4 NE 1/4 sec. 6, about 0.2 mi. N. of old Golden Ferry, at top of ridge, 7 ft. N. of E.-W. rd., opposite gate, in concrete post; standard tablet stamped "B 1923 Mo" (Reset 36 ft. N. of above location Nov. 25, 1935 by highway engineer. Monument now on County Route M. (given elevation is for new location.)	914.211
Reference mark, 67 ft. S. 70° W. of tablet, S. of rd., in root on NW. side of 14-in. black-oak tree; copper nail and washer	921.05
White River, at old Golden Ferry; surface of water (during approximate 4 ft. rise) at 12 noon Dec. 21, 1923	844.4
T. 21 N., R. 25 W., in SW 1/4 SE 1/4 sec. 6, about 800 ft. SW. of old Golden Ferry, 200 ft. N. of rd. junction, 12 ft. E. of gate, in concrete post; standard tablet stamped "B 1923 Mo"	928.857
Reference mark, 9 ft. N. 45° E. of tablet, in root on W. side of 16-in. post-oak tree; copper nail and washer	928.25
T. 21 N., R. 25 W., cor. secs. 5, 6, 7, and 8, 20 ft. S. and 12 ft. W. from T-rd. S., in root on W. side of 28-in. post-oak tree; copper nail and washer	1,019.71
T. 21 N., R. 25 W., center of SW 1/4 sec. 8, 450 ft. W. of rd. corner from W.-S., 15 ft. S. of E.-W. rd., in root on E. side of 30-in. post-oak tree; copper nail and washer	1,060.55
Golden, 0.5 mi. W. of S. sixteenth cor. sec. 17, T. 21 N., R. 25 W., 12 ft. N. and 6 ft. W. from crossroads, in root on E. side of 16-in. black-oak tree; copper nail and washer	1,098.62

Golden, in SW 1/4 sec. 16, T. 21 N., R. 25 W., 20 ft. SW. of SW. corner of post office, 18 ft. N. of E.-W. rd., in root on N. side of 16-in. post-oak tree; copper nail and washer	<u>Feet</u> 1,162.59
5. FROM POINT NEAR SHELL KNOB SOUTHEAST TO SEC. 20, T. 21 N., R. 24 W. (by W. R. Broaddus in 1923)	
T. 22 N., R. 25 W., in SE 1/4 NE 1/4 sec. 15, on White River, 80 ft. N. of N. landing of Shreiner Ferry, 25 ft. W. of rd., in bench on W. side of 60-in. sycamore tree; copper nail and washer	826.05
T. 22 N., R. 25 W., W. sixteenth cor. between secs. 14 and 23, 70 ft. S. of rd. junction, in center of N.-S. rd.; top of corner stone	1,061.88
T. 22 N., R. 25 W., in NE 1/4 sec. 23, 45 ft. E. of SW. corner of dwelling of W. H. Schreiber; N. of rd., in concrete post; standard tablet stamped "Prim Trav Sta No 15 L S 1923 Mo"	1,042.115
Reference mark, 18 ft. E. of tablet, in root on N. side of 24-in. elm tree; copper nail and washer	1,043.12
T. 22 N., R. 25 W., in NE 1/4 sec. 26, 900 ft. W. of Viola School, 20 ft. S. of rd. junction, in root on S. side of 14-in. post-oak tree; copper nail and washer	1,052.61
T. 22 N., R. 25 W., in SW 1/4 SW 1/4 sec. 25, 420 ft. N. and 90 ft. W. from rd. corner N.-E., in root on S. side of 24-in. white-oak tree; copper nail and washer	1,068.14
Viola, in NW 1/4 sec. 31, T. 22 N., R. 24 W., 80 ft. E. of SE. corner of post office, in concrete post; standard tablet stamped "Prim Trav Sta No 14 L S 1923 Mo"	1,143.934
Reference mark, 52 ft. S. 45° W. of tablet, on top of E. side of concrete well top; chiseled square	1,141.70
T. 21 N., R. 24 W., in NW 1/4 sec. 6, on Berryville-Viola rd., at junction of private lane E. to dwelling of Sig Garrison, at gate, in root on W. side of tree; copper nail and washer	1,119.35
T. 21 N., R. 24 W., 40 ft. E. of center of NW 1/4 sec. 7, 200 ft. SE. of dwelling of Alexander Allan, 25 ft. SW. of Berryville-Viola rd. at junction of rd. S., 30 ft. N. of wire fence, S. of rd. E., in root on NE. side of 15-in. black-oak tree; copper nail and washer	1,203.38
T. 21 N., R. 24 W., on line between secs. 7 and 18, 15 ft. S. and 15 ft. W. from Berryville-Viola rd. at junction of rd. W., in limestone ledge; standard tablet stamped "B 1923 Mo"	1,248.058
Reference mark, 116 ft. N. 10° E. of tablet, 10 ft. W. of rd., in root on E. side of 12-in. post-oak tree; copper nail and washer	1,248.50
T. 21 N., R. 24 W., near quarter cor. between secs. 18 and 19, 30 ft. E. of Berryville-Viola rd. at cross rd., in root on E. side of 30-in. post-oak tree; copper nail and washer	1,095.03
T. 21 N., R. 24 W., 140 ft. N. of S. sixteenth cor. between secs. 19 and 20, E. of Berryville-Viola rd., in concrete post; standard tablet stamped "Prim Trav Sta No 12 L S 1923 Mo"	1,131.774
6. FROM CASSVILLE QUADRANGLE AT SEC. 16, T. 23 N., R. 26 W., NORTH INTO ELSEY QUADRANGLE AT SEC. 33, T. 24 N., R. 26 W. (by F. L. Whaley in 1923)	
(Continued from Cassville quadrangle; see line 2.)	
T. 23 N., R. 26 W., near cor. secs. 9, 10, 15, and 16, about 2.5 mi. NE. of Forest Grove School, in root of forked 20-in. black-oak tree; copper nail and washer	1,196.79
Halley, 1 mi. W. of, in SW 1/4 SE 1/4 sec. 10, T. 23 N., R. 26 W., 100 ft. S. of log dwelling, at NE. angle of crossroads at ford across creek, in root of sycamore tree; copper nail and washer	1,116.22
Halley, about 1.5 mi. NW. of, about 0.1 mi. W. of quarter cor. between secs. 9 and 10, T. 23 N., R. 26 W., at rd. forks, E. of dwelling of Thalmer Thomas, in yard, in root of pin-oak tree; copper nail and washer	1,141.75
(For balance in Cassville quadrangle, see line 2.)	
T. 24 N., R. 26 W., in SE 1/4 NE 1/4 sec. 33, 1 mi. W. of dwelling of Richard Walter, 600 ft. W. of rd. forks, at junction of dim rd. NW., in root of 20-in. white-oak tree; copper nail and washer	1,515.82
(Continued in Elsey quadrangle; see line 3.)	
7. FROM ELSEY QUADRANGLE AT SEC. 35, T. 24 N., R. 25 W., SOUTH AND EAST TO CAPE FAIR, THENCE NORTH INTO ELSEY QUADRANGLE AT SEC. 26, T. 24 N., R. 24 W. (by F. L. Whaley in 1923)	
(Continued from Elsey quadrangle; see line 3.)	
T. 24 N., R. 25 W., in NE 1/4 sec. 35, at W. angle of rd. forks at dwelling of H. H. Williams, in root of 12-in. hickory tree; copper nail and washer	1,164.80
T. 23 N., R. 25 W., in NE 1/4 sec. 2, on top of ridge, at rd. forks, S. of rd. E., in root of 18-in. white-oak tree; copper nail and washer	1,362.83
T. 23 N., R. 25 W., in NE 1/4 sec. 1, at top of hill, N. of rd., in root of 14-in. black-oak tree; copper nail and washer	1,388.70
T. 23 N., R. 24 W., in NW 1/4 sec. 6, 920 ft. E. of Barry-Stone county line, 80 ft. NW. of crossroads, 150 ft. N. and 150 ft. W. from dwelling of J. T. Foster, in concrete post; standard tablet stamped "Prim Trav Sta No 39 S 1923 Mo W"	1,372.463

	<u>Feet</u>
Reference mark, 42 ft. N. of tablet, in root of black-oak tree; copper nail and washer	1,377.25
Cape Fair, 4 mi. W. of, in NE 1/4 sec. 6, T. 23 N., R. 24 W., on top of ridge, 40 ft. NE. of rd. forks, N. of rd.; in root of 30-in. black-oak tree; copper nail and washer	1,295.74
Cape Fair, 3 mi. W. of, in NE 1/4 sec. 5, T. 23 N., R. 24 W., S. of rd., 135 ft. E. of gate, in root of 16-in. black-oak tree; bolt head	1,326.72
Cape Fair, 2 mi. NW. of, in SW 1/4 sec. 33, T. 24 N., R. 24 W., 4 ft. N. of main rd. at junction of rd. N., in root of 12-in. white-oak tree; bolt and washer	1,270.95
Cape Fair, 0.8 mi. NW. of, in NW 1/4 NW 1/4 sec. 3, T. 23 N., R. 24 W., 500 ft. W. of rd. at top of ridge, N. of rd., in root of lone black-oak tree; bolt head	1,183.20
Cape Fair, 0.2 mi. N. of, near E. sixteenth cor. on N. line sec. 3, T. 23 N., R. 24 W., at SE. corner of crossroads, inside fence, in concrete post; standard tablet stamped "Prim Trav Sta No 28 S 1923 Mo W"	965.638
Reference mark, 140 ft. E. of crossroads, in fence line, in root of 14-in. black-oak tree; copper nail and washer	977.06
Cape Fair, 1 mi. NE. of, near W. sixteenth cor. sec. 35, T. 24 N., R. 24 W., on S. bank of James River at Lower Stone Ford, in root of 36-in. burr-oak tree; copper nail and washer	883.90
James River, at Lower Stone Ford; surface of water Nov. 27, 1923	875.6
Cape Fair, 1.5 mi. NE. of, near W. sixteenth cor. between secs. 26 and 35, T. 24 N., R. 24 W., at SE. corner of T-rd. E., on top of stone guard wall; chiseled square	979.54

(Continued in Eley quadrangle; see line 3.)

## 8. FROM HAILEY SOUTHEAST TO SHELL KNOB (by F. L. Whaley in 1923)

Hailey, in NE 1/4 NW 1/4 sec. 14, T. 23 N., R. 26 W., 15 ft. S. of SW. corner of schoolhouse, in concrete post; standard tablet stamped "Prim Trav Sta No 5 L S 1923 Mo W"	1,094.421
Reference mark, 58 ft. W. of tablet, 60 ft. W. of schoolhouse, in root of 14-in. hickory tree; copper nail and washer	1,095.58
Hailey, 1.5 mi. SE. of, in NE 1/4 NW 1/4 sec. 24, T. 23 N., R. 26 W., at NE. angle of rd. forks, in root of 36-in. white-oak tree; copper nail and washer	1,484.79
T. 23 N., R. 26 W., near E. sixteenth cor. sec. 25, on Cassville-Shell Knob rd., at NW. angle of rd. forks, in root of 18-in. red-oak tree; copper nail and washer	1,534.01
T. 23 N., R. 25 W., in SE 1/4 SE 1/4 sec. 30, 20 ft. S. of junction of old Berryville-Springfield rd. and rd. to Shell Knob, in concrete post; standard tablet stamped "W 1923"	1,459.970
Reference mark, 48 ft. NW. of tablet, in root of 20-in. black-oak tree; copper nail and washer	1,461.56
T. 23 N., R. 25 W., in NW 1/4 SE 1/4 sec. 32, 0.2 mi. E. of Hill City, at junction of dim rd. NE., S. of rd., in root of 15-in. black-oak tree; copper nail and washer	1,420.52
T. 23 N., R. 25 W., near quarter cor. between secs. 32 and 33, 150 ft. N. of Fairview School, N. of rd., 12 ft. SW. of fence corner, on top of soapstone ledge; chiseled square	1,253.72
Shell Knob, 1.5 mi. N. of, about 600 ft. W. of N. cor. secs. 3 and 4, T. 22 N., R. 25 W., E. of rd. at T-rd. W., in root of 14-in. black-oak tree; copper nail and washer	1,067.96
Shell Knob, about 0.5 mi. NW. of, near E. sixteenth cor. between secs. 4 and 9, T. 22 N., R. 25 W., 45 ft. NE. of T-rd. N., 20 ft. N. of fence corner, on rock ledge outcrop; chiseled square	1,131.11

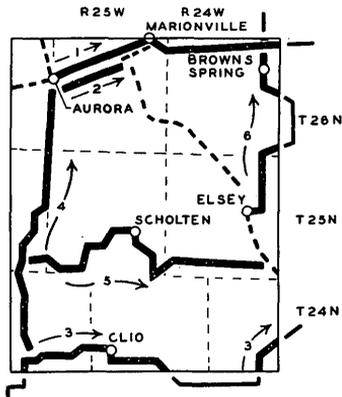
## 9. FROM SEC. 29, T. 23 N., R. 25 W., NORTHEAST TO SEC. 2, T. 23 N., R. 25 W. (by F. L. Whaley in 1923)

T. 23 N., R. 25 W., in NW 1/4 sec. 29, at NE. angle of rd. forks, in root of 20-in. black-oak tree; copper nail and washer	1,444.94
T. 23 N., R. 25 W., in SE 1/4 sec. 20, about 100 ft. SE. of old log dwelling, S. of rd., in root of 14-in. white-oak tree; copper nail and washer	1,414.73
T. 23 N., R. 25 W., in SW 1/4 SE 1/4 sec. 16, 370 ft. S. of rd. forks, W. of rd., in root of 20-in. white-oak tree; copper nail and washer	1,389.51
T. 23 N., R. 25 W., in SE 1/4 NW 1/4 sec. 15, at SE. angle of rd. junction, in root of 18-in. black-oak tree; copper nail and washer	1,399.71
T. 23 N., R. 25 W., in SE 1/4 sec. 10, 40 ft. W. of SW. corner of Pineview School, in concrete post; standard tablet stamped "W 1923"	1,414.816
Reference mark, 34 ft. N. 45° W. of tablet, 65 ft. W. of school, in root of 15-in. black-oak tree; copper nail and washer	1,414.78
T. 23 N., R. 25 W., in NW 1/4 NW 1/4 sec. 11, 30 ft. SW. of rd. forks, in root of 15-in. black-oak tree; copper nail and washer	1,377.52
T. 23 N., R. 25 W., near center sec. 2, about 2 mi. NE. of Pineview School, E. of rd., at head of draw, in root on 15-in. black-oak tree; copper nail and washer	1,355.55

10. IN SEC. 15, T. 23 N., R. 24 W. (by W. R. Broadus in 1924)
- |   |                         |
|---|-------------------------|
| T. 23 N., R. 24 W., in NE 1/4 sec. 15, on top of Virgin Bluff, 100 ft. SE. of log cabin, 10 ft. S. of rd., in root on N. side of 10-in. hickory tree; copper nail and washer                                      | <u>Feet</u><br>1,146.16 |
| T. 23 N., R. 24 W., N. sixteenth cor. between secs. 15 and 16, near Victory School, 15 ft. S. and 70 ft. E. from T-rd. E., in root on N. side of 10-in. black-oak tree; copper nail and washer                    | 1,041.23                |
| T. 23 N., R. 24 W., in SW 1/4 SW 1/4 sec. 15, 0.3 mi. NW. of Cole ford across James River, 15 ft. E. of junction of small trail, 210 ft. N. of fence corner, in limestone ledge; standard tablet stamped "B 1924" | 896.397                 |
| Reference mark, 29 ft. S. 30° E. of tablet, in root on N. side of 8-in. hard-maple tree; copper nail and washer   | 894.23                  |
11. FROM CAPE FAIR EAST INTO FORSYTH NO. 3 QUADRANGLE AT SEC. 2, T. 23 N., R. 24 W. (by F. C. Lentz in 1937)
- Cape Fair, on SE. corner of first step to school; chiseled square
- 1,051.61
- (Continued in Forsyth No. 3 quadrangle; see line 7.)

**ELSEY QUADRANGLE**  
(Latitude 36°45'-37°00'; longitude 93°30'-93°45')

Barry, Lawrence, and Stone Counties



1. FROM AURORA EAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO MARIONVILLE, THENCE EAST 3 MILES BY ROAD (by D. V. Vandiver in 1904-05)
- |  |           |
|--|-----------|
| Aurora, near center of, at NE. corner of intersection of Madison Avenue and Olive Street, below window at SE. corner of Bank Hotel building (owned in 1928 by C. L. N. Haines), in stone foundation; aluminum tablet stamped "1903 1371 Adj" | 1,368.357 |
| Marionville, 2.5 mi. W. of, 600 ft. E. of milepost 266, 70 ft. E. of rd. crossing, in stone abutment at SW. corner of trestle; aluminum tablet stamped "1903 1395 Adj" (tablet destroyed, shank left)  | 1,393.039 |
- (For balance in Halltown quadrangle, see line 1.)
- Marionville, 3 mi. E. and 0.5 mi. S. from, in NE. corner of stone foundation of dwelling of W. P. Oldham; aluminum tablet stamped "1903 1373 Adj"
- 1,370.594
- (Continued in Forsyth No. 2 quadrangle; see line 1.)
2. FROM AURORA EAST 1.5 MILES ALONG ST. LOUIS-SAN FRANCISCO RAILWAY (by G. P. Featherstun in 1909)
- |   |           |
|---|-----------|
| Aurora, E. of entrance on N. side of city hall, in top of bottom stone step; aluminum tablet stamped "No 1395"                                | 1,392.381 |
| Aurora, 1.5 mi. E. of, 150 ft. E. of rd. crossing at Bonanza mine, 40 ft. N. of track, in right-of-way fence corner; iron post stamped "1402" | 1,399.791 |

3. FROM SHELL KNOB QUADRANGLE AT SEC. 33, T. 24 N., R. 26 W., EAST BY WAY OF CLIO INTO FORSYTH NO. 2 QUADRANGLE AT SEC. 26, T. 24 N., R. 24 W. (by F. L. Whaley in 1923-24)  
(Continued from Shell Knob quadrangle; see line 6.)

	<u>Feet</u>
T. 24 N., R. 26 W., near quarter cor. between secs. 27 and 34, at N. angle of dim rd. forks, in root of 24-in. black-oak tree; copper nail	1,467.70
T. 24 N., R. 26 W., quarter cor. between secs. 26 and 27, 60 ft. NE. of T-rd. W., in fence line, in root of 14-in. hickory tree; copper nail and washer	1,299.51
T. 24 N., R. 26 W., 0.1 mi. W. of center sec. 26, in SW. corner of T-rd. W., about 200 ft. S. of Lone Elm School, in root of 14-in. black-walnut tree; copper nail and washer	1,248.08
T. 24 N., R. 26 W., N. sixteenth cor. between secs. 25 and 26, at rd. corner from N.-E.; top of corner stone	1,165.40
T. 24 N., R. 26 W., N. sixteenth cor. sec. 25, 30 ft. E. of T-rd. S., 2 ft. S. and 7 ft. W. from fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 31 S 1923 Mo"	1,143.705
Reference mark, 67 ft. W. of tablet, 30 ft. W. of fence corner, on top of rock ledge; chiseled square	1,141.10
T. 24 N., R. 25 W., near quarter cor. between secs. 19 and 30, 0.5 mi. W. of Clio Church, 40 ft. E. of small drain at ford across Flat Creek, in root of white-oak tree; copper nail and washer	1,056.96
Flat Creek, at ford; surface of water on Nov. 19, 1923	1,052.3
T. 24 N., R. 25 W., cor. secs. 19, 20, 29, and 30, at T-rd. W., 100 ft. N. of Clio Church, in root of 15-in. hickory tree; copper nail and washer	1,215.28
T. 24 N., R. 25 W., in NE 1/4 sec. 29, 18 ft. N. and 30 ft. W. from rd. corner at junction of private rd., in fence line, on top of large boulder; chiseled square	1,211.15
T. 24 N., R. 25 W., in NW 1/4 sec. 28, about 2 mi. W. of Carnay School, about 100 ft. E. of rd. forks, N. of rd., in root of 30-in. white-oak tree; copper nail and washer	1,247.27
T. 24 N., R. 25 W., S. sixteenth cor. between secs. 26 and 27, at T-rd. E., 120 ft. W. of crossroads, 100 ft. E. of dwelling of T. A. Jordan, W. of small drain, 4 ft. N. of fence, in limestone ledge; standard tablet stamped "Prim Trav Sta No 30 S 1923 Mo W"	1,002.138
Reference mark, 94 ft. E. of tablet, in root of black-oak tree; copper nail and washer	1,004.24

(For balance in Shell Knob quadrangle, see line 7.)

Cape Fair, about 2.5 mi. N. of cor. secs. 22, 23, 26, and 27, T. 24 N., R. 24 W., in NE. angle of T-rd. N., near fence corner, inside field, in concrete post; standard tablet stamped "W 1923"	987.098
Reference mark, 30 ft. N. 70° E. of tablet, in root of twin walnut tree; copper nail and washer	989.74
James River, at Upper Stone ford; surface of water Nov. 28, 1923	880.4

(Continued in Forsyth No. 2 quadrangle; see line 5.)

4. FROM SEC. 28, T. 24 N., R. 26 W., NORTH TO AUROHA (by F. L. Whaley in 1923-24)

T. 24 N., R. 26 W., near W. sixteenth cor. between secs. 28 and 33, 1.5 mi. S. of Willow Branch School, 10 ft. W. of rd., in root of 20-in. black-oak tree; bolt and copper washer	1,357.26
T. 24 N., R. 26 W., near quarter cor. between secs. 21 and 28, about 0.2 mi. SW. of Willow Branch School, 100 ft. S. of rd. forks, in fence line, in root of 16-in. black-oak tree; bolt and copper washer	1,232.10
T. 24 N., R. 26 W., in SW 1/4 sec. 16, about 1.5 mi. NW. of Willow Branch School, at S. angle of dim rd. forks, in root of 20-in. white-oak tree; bolt and washer	1,147.82
T. 24 N., R. 26 W., E. sixteenth cor. between secs. 9 and 16, 700 ft. SW. of dwelling of J. M. Stubblefield, 10 ft. S. of rd. corner from N.-W., in concrete post; standard tablet stamped "Prim Trav Sta No 3 L S 1923 Mo W"	1,126.657
Reference mark, 160 ft. N. of rd. corner, in root of 16-in. walnut tree; bolt and copper washer	1,122.36
T. 24 N., R. 26 W., in SE 1/4 sec. 9, on W. bank of Willow Branch, about 200 ft. S. of ford across Flat Creek, at rd. fork N., 10 ft. N. of ford across branch, in root of 15-in. walnut tree; bolt and washer	1,098.60
T. 24 N., R. 26 W., near quarter cor. between secs. 3 and 4, 0.2 mi. S. of Liberty School, in front of old Garris place, E. of rd., in root of elm tree; bolt and copper washer	1,274.21
T. 25 N., R. 26 W., in SW 1/4 sec. 36, at rd. junction, 20 ft. S. of dwelling of E. P. Samuel, in root of 14-in. white-oak tree; bolt and copper washer	1,311.70
T. 25 N., R. 26 W., 2 ft. E. of stone at cor. secs. 25, 26, 35, and 36, at rd. corner, near old store building, 4 ft. SW. of sycamore tree, in concrete post; standard tablet stamped "Prim Trav Sta No 2 L S 1923 Mo W"	1,536.185
Reference mark, at rd. corner, in root of forked black-oak tree; bolt and copper washer	1,535.59
T. 25 N., R. 26 W., near W. sixteenth cor. between secs. 24 and 25, 1.2 mi. S. and 1 mi. W. from Madry, E. of rd., in root of 20-in. black-oak tree; bolt and copper washer	1,516.33
T. 25 N., R. 26 W., quarter cor. between secs. 23 and 24, at rd. junction, in S. fence line, in root of black-oak tree; bolt and copper washer	1,538.99

	Feet
T. 25 N., R. 26 W., cor. secs. 13, 14, 23, and 24, in NE. angle of crossroads; top of E. end of concrete culvert	1,487.08
T. 25 N., R. 26 W., near E. cor. secs. 13 and 24, at NE. corner of T-rd. N., 590 ft. S. of Madry store, in field, in root of 10-in. black-oak tree; bolt and copper washer	1,518.32
T. 25 N., Rs. 25 and 26 W., 0.2 mi. E. (W. ?) of cor. secs. 7, 12, 13, and 18, in SW. angle of crossroads, 40 ft. E. of dwelling, in root of 18-in. soft-maple tree; bolt	1,519.08
T. 25 N., Rs. 25 and 26 W., quarter cor. between secs. 7 and 12, 10 ft. W. (20 ft. S. by levelman) of T-rd. N., 2 ft. N. of fence, near walnut tree, in concrete post; standard tablet stamped "Prim Trav Sta No 1 L S 1923 Mo W" (reset at approximately the same elevation 3 ft. S. and 18 ft. W. from above described location by highway engineer, Sept. 30, 1933.)	1,516.488
Reference mark, 200 ft. N. of quarter cor. between secs. 7 and 12, E. of rd., inside wooded lot, in root of 14-in. black-oak tree; bolt	1,520.49
T. 25 N., Rs. 25 and 26 W., cor. secs. 1, 6, 7, and 12, at SE. angle of crossroads, inside field, in root of 18-in. black-oak tree; bolt	1,549.24
Tps. 25 and 26 N., Rs. 25 and 26 W., 200 ft. S. of corner of, in fence line of rd., in root of 14-in. walnut tree; bolt	1,531.93
T. 26 N., Rs. 25 and 26 W., N. cor. secs. 31 and 36, in SW. angle of crossroads, on top of S. end of concrete culvert; chiseled square	1,478.26
Aurora, 3.5 mi. S. of, 20 ft. N. and 45 ft. W. from T-rd. W. at E. cor. secs. 25 and 36, T. 26 N., R. 26 W., 90 ft. N. and 45 ft. W. from T-rd. E. at W. cor. secs. 30 and 31, T. 26 N., R. 25 W.; iron post stamped "Prim Trav Sta No 10 1909 Mo W"	1,479.041
Aurora, about 2.5 mi. S. of, E. cor. secs. 24 and 25, T. 26 N., R. 26 W., at T-rd. W., on top of S. end of concrete culvert; chiseled square	1,448.41
Aurora, about 1.5 mi. S. of, E. cor. secs. 13 and 24, T. 26 N., R. 26 W., at T-rd. W., on S. end of concrete culvert; chiseled square	1,410.36
Aurora, in sec. 12, T. 26 N., R. 26 W., opposite St. Louis-San Francisco Ry. sta., at entrance to brick building occupied by American Railway Express Company, on top of E. end of bottom step; chiseled square	1,367.54
5. FROM SEC. 36, T. 25 N., R. 26 W., EAST BY WAY OF SCHOLTEN TO MISSOURI PACIFIC RAILROAD NEAR SEC. 35, T. 25 N., R. 24 W. (by R. W. Mattox in 1936)	
Leann, 0.8 mi. N. and 1.5 mi. W. from, on Leann-Liberty Hollow rd., in sec. 36, T. 25 N., R. 26 W., 30 ft. N. of E.-W. fence, 4 ft. N. of the fence line, in root on S. side of 14-in. red-oak tree; copper nail and washer	1,448.34
Leann, 1 mi. N. and 1 mi. W. from, along rd. in Hobson Hollow, in sec. 31, T. 25 N., R. 25 W., 10 ft. N. and 40 ft. E. from T-rd. SW., in root on W. side of 12-in. sycamore tree; copper nail and washer	1,216.07
Leann, 0.2 mi. N. and 0.2 mi. W. from, in sec. 1, T. 24 N., R. 26 W., 120 ft. N. and 250 ft. E. from dwelling on property of T. Ferguson, 12 ft. W. of N.-S. rd., in root on E. side of 20-in. oak tree; copper nail and washer	1,141.97
Leann, on State Highway 39, on SW. wing wall of bridge 5-569; chiseled square	1,138.29
Leann, 0.5 mi. N. of, in sec. 32, T. 25 N., R. 25 W., 25 ft. N. and 40 ft. E. from dwelling of T. F. Merrick, on W. side of State Highway 39, in concrete post; standard tablet stamped "1376 E R A 1935"	1,294.453
Junction of rd. N., at NE. corner of, in top of fence post; iron nails	1,244.62
Scholten, 1 mi. S. and 4.2 mi. W. from, on Leann-Scholten rd., E. sixteenth cor. between secs. 29 and 32, T. 25 N., R. 25 W., 10 ft. N. of junction of rd. E., in root on NW. side of 20-in. chinquapin tree; copper nail and washer	1,191.67
Scholten, 1 mi. S. and 2.8 mi. W. from, along Leann-Scholten rd., E. sixteenth cor. between secs. 28 and 33, T. 25 N., R. 25 W., 10 ft. N. and 15 ft. E. from junction of rd. N., in offset on N. side of 12-in. fence post; copper nail and washer	1,206.12
Junction of rd. N., 8 ft. N. and 15 ft. E. from, in root on SE. side of 10-in. oak tree; iron nails	1,217.03
Scholten, 0.5 mi. S. and 2 mi. W. from, along Leann-Scholten rd., 90 ft. N. and 75 ft. W. from quarter cor. between secs. 27 and 28, T. 25 N., R. 25 W., W. of rd., 15 ft. S. and 30 ft. E. from SE. corner of dwelling of G. A. Brackin, in concrete post; standard tablet stamped "1377 E R A 1935"	1,233.595
Scholten, 1 mi. W. of, along Leann-Scholten rd., near cor. secs. 22, 23, 26, and 27, T. 25 N., R. 25 W., 15 ft. S. of rd. at fence N., in root on N. side of 20-in. oak tree; copper nail and washer	1,507.25
Scholten, 20 ft. N. of E.-W. rd., 45 ft. S. and 5 ft. W. from dwelling on property of Mrs. C. L. Asher, in root on N. side of 30-in. oak tree; copper nail and washer	1,387.23
Scholten, 1 mi. S. of, in SW. cor. sec. 25, T. 25 N., R. 25 W., 35 ft. S. and 45 ft. E. from junction of State Highway 44 and County Route V, 25 ft. N. and 65 ft. E. from rock store building on property of Noel Elkins, in concrete post; standard tablet stamped "1378 E R A 1935"	1,453.104
Reference mark, 50 ft. S. of tablet, in root on SW. side of 30-in. oak tree; copper nail and washer	1,450.54
Highway at rd. S., 24 ft. S. and 15 ft. W. from, on top of W. wing wall of culvert; chiseled square	1,333.65
Scholten, 2 mi. S. and 1 mi. E. from, on State Highway 44, in sec. 36, T. 25 N., R. 25 W., 70 ft. N. and 10 ft. W. from crossroad, on top of W. head wall of concrete culvert; chiseled square	1,367.06

	<u>Feet</u>
Scholten, about 2.2 mi. S. and 1.2 mi. E. from, 25 ft. N. and 500 ft. E. from quarter cor. between secs. 2 and 3, T. 24 N., R. 25 W., 15 ft. NE. of T-rd. S., in concrete post; standard tablet stamped "Prim Trav Sta No 38 S 1924 Mo"	1,378.609
Scholten, 1.8 mi. S. and 1.8 mi. E. from, on State Highway 44, in SE 1/4 sec. 31, T. 25 N., R. 24 W., 40 ft. S. and 340 ft. E. from junction of rd. S., in root on N. side of 12-in. oak tree; copper nail and washer	1,348.70
Scholten, 1.8 mi. S. and 3 mi. E. from, on State Highway 44, about 400 ft. S. and 25 ft. E. from limestone rock at quarter cor. between secs. 32 and 33, T. 25 N., R. 24 W., 60 ft. N. and 35 ft. E. from N.-S. crossroad, 45 ft. S. and 40 ft. W. from SW. corner of Mountain Home School, in concrete post; standard tablet stamped "1379 E R A 1935"	1,328.193
Reference mark, 50 ft. E. of tablet, in root on W. side of 20-in. oak tree; copper nail and washer	1,327.69
Scholten, 0.2 mi. S. and 3.8 mi. E. from, on State Highway 44, in SE 1/4 sec. 33, T. 25 N., R. 24 W., 6 ft. N. of E.-W. fence, 4 ft. E. of N.-S. fence, in root on S. side of 14-in. walnut tree; copper nail and washer	1,268.16
Bridge J-620 1934, on SW. wing wall; chiseled square	1,046.51
Galena, 4 mi. W. of, along State Highway 44, 100 ft. S. of Lawrence's store, 50 ft. N. and 25 ft. W. from junction of County Route J, in concrete post; standard tablet stamped "Prim Trav Sta No 33 S 1924 Mo"	1,306.825
Highway at rd. E., 50 ft. N. and 50 ft. E. from, in root on SW. side of 10-in. oak tree; iron nails	1,306.37
U.S.C. & G.S. standard disk stamped "R 60 1934"	1,170.135

6. FROM ELSEY NORTE INTO HALLTOWN QUADRANGLE NEAR BROWNS SPRING  
(by W. V. Kennedy in 1938)

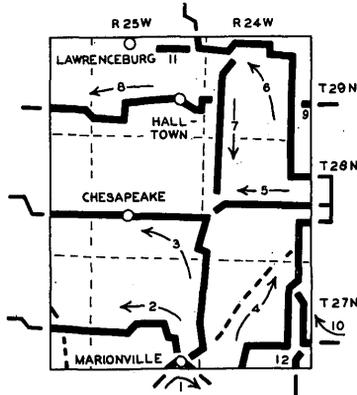
U.S.C. & G.S. standard disk stamped "Q 60 1934"	1,252.616
U.S.C. & G.S. standard disk stamped "P 60 1934"	1,214.499
Elsey, 0.5 mi. N. of, along State Highway 13, at Community Church, 75 ft. SE. of rd. forks, in concrete post; standard tablet stamped "34 S 1924 Mo"	1,321.606
T-rd. N., 50 ft. N. and 110 ft. W. from, in root on S. side of 12-in. black-oak tree; crossed nails	1,310.57
T. 25 N., R. 24 W., in N 1/2 sec. 24, 60 ft. N. and 15 ft. W. from crossroads, in root on SW. side of 8-in. black-oak tree; copper nail and washer	1,196.13
Rd. fork E., 12 ft. W. of, in root on NE. side of 24-in. white-oak tree; crossed nails	1,221.76
Quail, 1.2 mi. S. of, on line between secs. 12 and 13, T. 25 N., R. 24 W., 35 ft. S. and 15 ft. E. from crossroads, in root on E. side of 6-in. white-oak tree; copper nail and washer	1,150.51
Quail, 220 ft. E. of Missouri Pacific R.R. at crossing signal, 20 ft. S. of track, 30 ft. N. of cemetery fence, in concrete post; standard tablet stamped "35 S 1924 Mo"	1,075.566
Quail, 0.5 mi. N. of, along Missouri Pacific R.R., 185 ft. NE. of rd. crossing, on SW. corner of concrete abutment of bridge; chiseled square	1,057.19
(For balance in Forsyth No. 2 quadrangle, see line 8.)	
Browns Spring, at S. edge of, 170 ft. SW. of Missouri Pacific R.R. at rd. crossing, on E. end of old dam across Spring Creek; chiseled square	1,132.38
Browns Spring, at N. edge of, 205 ft. S. of Missouri Pacific R.R. at rd. crossing, in concrete abutment at NW. corner of bridge 4; standard tablet stamped "1 K 1938"	1,140.547
Browns Spring, 1.2 mi. N. of, along Missouri Pacific R.R., 565 ft. S. of rd. crossing, on concrete abutment at NW. corner of bridge 6; chiseled square	1,173.44

(Continued in Halltown quadrangle; see line 12.)

For additional level lines along St. Louis-San Francisco Ry. and Missouri Pacific R.R., refer to United States Coast and Geodetic Survey first-order line, Monett, Mo. to Memphis, Tenn.; and second-order lines, Aurora to So. Greenfield and Aurora, Mo. to Harrison, Ark.

HALLTOWN QUADRANGLE  
(Latitude 37°00'-37°15'; longitude 93°30'-93°45')

Christian, Greene, and Lawrence Counties



1. FROM ELSEY QUADRANGLE AT MARIONVILLE SOUTHEAST INTO ELSEY QUADRANGLE (by D. V. Vandiver in 1904-05)  
(Continued from Elsey quadrangle; see line 1.)  
Marionville, 300 ft. E. of St. Louis-San Francisco Ry. sta., in NE. corner of stone abutment of trestle 2636; aluminum tablet stamped "1903 1351 Adj"  
Feet  
1,349.208  
(Continued in Elsey quadrangle; see line 1.)
  
2. FROM MARIONVILLE NORTH ABOUT 3 MILES, THENCE WEST INTO STOTTS CITY QUADRANGLE AT SEC. 23, T. 27 N., R. 26 W. (by G. P. Featherstun in 1909)  
T. 27 N., R. 25 W., cor. secs. 14, 15, 22, and 23, at T-rd. N., on corner stone; (mark not described) 1,339.88  
Honey Creek School, 200 ft. W. of, near cor. secs. 15, 16, 21, and 22, T. 27 N., R. 25 W., S. of rd.; iron post stamped "1295" 1,292.477  
Aurora, 3.5 mi. N. of, E. cor. secs. 24 and 25, T. 27 N., R. 26 W., 20 ft. N. and 20 ft. W. from T-rd. W.; iron post stamped "Prim Trav Sta No 13 1909 Mo 1280" (reset 20 ft. W. of original position in Dec. 1938) 1,275.810  
(Continued in Stotts City quadrangle; see line 2.)
  
3. FROM MARIONVILLE NORTH TO SEC. 25, T. 28 N., R. 25 W., THENCE WEST INTO STOTTS CITY QUADRANGLE AT SEC. 23, T. 28 N., R. 26 W. (by G. P. Featherstun in 1909)  
Marionville, 3 mi. N. and 2 mi. E. from, cor. secs. 13, 18, 19, and 24, T. 27 N., Rs. 24 and 25 W., on Christian-Lawrence county line, 20 ft. NE. of crossroads; iron post stamped "Mo 1431" 1,428.454  
Marionville, 5.7 mi. N. and 2 mi. E. from, on line between secs. 1 and 6, T. 27 N., Rs. 24 and 25 W., on Christian-Lawrence county line, 30 ft. SW. of T-rd. E.; iron post stamped "Mo 1278" 1,275.916  
Marionville, 7.8 mi. N. and 2 mi. E. from, 1,000 ft. SW. of cor. secs. 19, 24, 25, and 30, T. 28 N., Rs. 24 and 25 W., in limestone rock; aluminum tablet stamped "Mo 1180" 1,177.959  
Chesapeake, 1 mi. E. of, cor. secs. 21, 22, 27, and 28, T. 28 N., R. 25 W., 25 ft. SE. of crossroads; iron post stamped "Mo 1291" 1,288.895  
Chesapeake, 2 mi. W. of, E. cor. secs. 24 and 25, T. 28 N., R. 26 W., 20 ft. S. and 20 ft. W. from T-rd. W.; iron post stamped "Prim Trav Sta No 2 1909 Mo" (reset 50 ft. W. of original position in Dec. 1938) 1,370.059  
(Continued in Stotts City quadrangle; see line 1.)

4. FROM ELSEY QUADRANGLE AT POINT 3.5 MILES EAST OF MARIONVILLE, EAST TO SEC. 25, T. 27 N., R. 24 W., THENCE NORTH AND EAST INTO REPUBLIC QUADRANGLE AT SEC. 25, T. 28 N., R. 24 W. (by F. L. Whaley in 1916-17)

	Feet
Marionville, 0.5 mi. N. and 3.5 mi. E. from, in SE. cor. sec. 29, T. 27 N., R. 24 W., W. of T-rd. E., in front of dwelling of E. L. Zoller, on top of flint stone; chiseled square	1,396.34
Marionville, about 0.5 mi. N. and 5.6 mi. E. from, in SW 1/4 SW 1/4 sec. 26, T. 27 N., R. 24 W., 900 ft. E. of T-rd. S., at front entrance to dwelling of Silas Gold, in W. end of third concrete step; standard tablet stamped "1916 1343"	1,341.415
Clever, 2.5 mi. SW. of, quarter cor. between secs. 24 and 25, T. 27 N., R. 24 W., N. of T-rd. S., on top of flint stone; chiseled square	1,325.97
Clever, 0.5 mi. N. and 2.2 mi. W. from, W. sixteenth cor. between secs. 13 and 24, T. 27 N., R. 24 W.; 40 ft. S. and 115 ft. E. from State Highway 14 at crossroad, 1 ft. N. of fence; iron post stamped "1916 Mo 1347"	1,345.355
Billings, 1 mi. S. and 2 mi. E. from, quarter cor. between secs. 13 and 14, T. 27 N., R. 24 W., S. of T-rd. N., on concrete anchor of iron fence post brace; chiseled square	1,333.98
Billings, 2 mi. E. of, quarter cor. between secs. 11 and 12, T. 27 N., R. 24 W., at dwelling of Mrs. John Bergy, SE. of crossroads, 2 ft. W. of telephone pole, on top of flint stone; chiseled square	1,336.01
Terrell Creek, at ford; surface of water on May 17, 1916	1,246.9
Billings, 0.5 mi. N. and 2.5 mi. E. from, S. sixteenth cor. sec. 1, T. 27 N., R. 24 W., 20 ft. N. and 18 ft. W. from T-rd. N.; iron post stamped "1917 Mo 1247"	1,244.800
Reference mark, NW. of T-rd. N., in root of 10-in. oak tree; copper nail	1,245.24
Terrell Creek, at crossing 200 ft. N. of rd.; surface of water on May 18, 1916	1,232.3
Tiede School, 0.5 mi. E. of, near S. quarter cor. sec. 36, T. 28 N., R. 24 W., on SW. corner of foundation plate; chiseled cross	1,306.53
Tiede School, near S. cor. secs. 35 and 36, T. 28 N., R. 24 W., at T-rd. N., in SW. corner of schoolyard, on top of large flint stone; chiseled square	1,339.47
Republic, 0.8 mi. S., thence 1.5 mi. W. from, N. sixteenth cor. sec. 25, T. 28 N., R. 24 W., NW. of crossroads, in root of 14-in. walnut tree; copper nail	1,315.07

(Continued in Republic quadrangle; see line 1.)

5. FROM REPUBLIC QUADRANGLE AT SEC. 24, T. 28 N., R. 24 W., WEST TO SEC. 25, T. 28 N., R. 25 W. (by F. L. Whaley in 1916-17)

Republic, 2 mi. W. of, quarter cor. between secs. 23 and 24, T. 28 N., R. 24 W., on S. end of concrete culvert; chiseled square	1,249.02
T. 28 N., R. 24 W., W. sixteenth cor. sec. 23, 230 ft. W. of crossroads, on top of S. guard wall of concrete culvert; chiseled square	1,250.34
T. 28 N., R. 24 W., center sec. 22, 250 ft. W. of T-rd. S., S. of rd., in root of 18-in. oak tree; copper nail	1,280.46
T. 28 N., R. 24 W., E. sixteenth cor. sec. 21, SW. of crossroads; iron post stamped "1268"	1,266.032
T. 28 N., R. 24 W., W. sixteenth cor. sec. 21, at T-rd. N., at E. end of concrete culvert, on top of flint stone; chiseled circle	1,258.43
T. 28 N., R. 24 W., near center sec. 20, 6n top of N. guard wall of concrete culvert; chiseled square	1,267.48
T. 28 N., R. 24 W., W. sixteenth cor. sec. 20, at T-rd. N., on top of flint stone; chiseled square	1,247.38
T. 28 N., R. 24 W., W. sixteenth cor. sec. 19, 100 ft. E. of T-rd. S., on top of N. guard wall of concrete culvert; chiseled square	1,200.27
Turnback Creek, at ford; surface of water on May 22, 1916	1,141.5

6. FROM REPUBLIC QUADRANGLE AT SEC. 12, T. 28 N., R. 24 W., NORTH TO SEC. 12, T. 29 N., R. 24 W., THENCE WEST AND NORTH INTO ASH GROVE QUADRANGLE AT POINT 2.8 MILES EAST OF LAWRENCEBURG (by F. L. Whaley in 1916-17)

(Continued from Republic quadrangle; see line 1.)

T. 28 N., R. 24 W., in sec. 1, SE. of T-rd. E., in root of 14-in. wild-cherry tree; copper nail	1,210.92
Republic, 3 mi. N. and 1.2 mi. W. from, 30 ft. N. and 24 ft. E. from T-rd. E.; iron post stamped "1917 Mo 1216"	1,214.515
Republic, 3.5 mi. N. and 1.2 mi. W. from, at crossroads, on NW. corner of concrete abutment of bridge over Dry Branch; chiseled square	1,144.32
Dry Branch, under bridge; surface of water on May 24, 1916	1,133.6
T. 29 N., R. 24 W., W. sixteenth cor. sec. 25, at Yeakley's store, 60 ft. N. and 12 ft. E. from crossroads; iron post stamped "1917 Mo 1173"	1,171.617
Pond Creek, under bridge; surface of water on May 24, 1916	1,094.9
Bois D'Arc, 4.1 mi. S. of, in SW 1/4 sec. 24, T. 29 N., R. 24 W., on N. end of W. guard wall of concrete bridge over Sac River; chiseled square	1,094.72
Sac River, under bridge; surface of water on May 24, 1916	1,084.5
Bois D'Arc, 3.5 mi. S. of, in NW 1/4 sec. 24, T. 29 N., R. 24 W., near dwelling of J. Magill, W. of rd. fork SE., on concrete base of corner fence post; chiseled square	1,196.33
Bois D'Arc, about 2 mi. S. of, cor. secs. 11, 12, 13, and 14, T. 29 N., R. 24 W., 15 ft. N. and 40 ft. W. from T-rd. N.; iron post stamped "1917 Mo 1203"	1,201.608
Reference mark, 100 ft. SW. of T-rd. N., in root of 14-in. white-oak tree; copper nail	1,199.66

	<u>Feet</u>
Bois D'Arc, about 2 mi. S. and 1.5 mi. W. from, 50 ft. SW. of cor. secs. 10, 11, 14, and 15, T. 29 N., R. 24 W., in root of 14-in. hickory tree; copper nail	1,186.22
Bois D'Arc, 1.5 mi. S. and 1.5 mi. W. from, quarter cor. between secs. 10 and 11, T. 29 N., R. 24 W., NW. of T-rd. W., in top of small oak tree; copper nail	1,204.75
T. 29 N., R. 24 W., 190 ft. SW. of quarter cor. between secs. 9 and 10, at rd. forks, in root of oak tree; copper nail	1,076.49
T. 29 N., R. 24 W., 40 ft. SW. of quarter cor. between secs. 8 and 9, in root of 16-in. pin-oak tree; copper nail	1,033.81
Sac River, at ford; surface of water on May 26, 1916	1,023.5
T. 29 N., R. 24 W., in SE 1/4 sec. 8, 900 ft. W. of Winkey Mills, SW. of rd. fork S., in corner of orchard; iron post stamped "1917 Mo 1049"	1,046.978
Reference mark, at rd. fork S., on top of large flint stone; chiseled square	1,042.44
Haven, 1 mi. S. of, center of SW 1/4 sec. 8, T. 29 N., R. 24 W., at T-rd. W., on W. end of concrete culvert; chiseled square	1,110.25
Lawrenceburg, 1 mi. S. and 3 mi. E. from, near NW. corner of dwelling of F. E. Daniels, 200 ft. E. of lane N., in root of 18-in. black-oak tree; nail	1,154.90

(Continued in Ash Grove quadrangle; see line 1.)

7. FROM SEC. 8, T. 29 N., R. 24 W., SOUTH TO SEC. 20, T. 28 N., R. 24 W. (by F. L. Whaley in 1916-17)	
T. 29 N., R. 24 W., W. sixteenth cor. sec. 17, 200 ft. S. of crossroads, at Sycamore School, on S. end of concrete floor of porch; chiseled square	1,188.90
T. 29 N., R. 24 W., 300 ft. S. of cor. secs. 17, 18, 19, and 20, 1,000 ft. S. of old sawmill, at rd. junction on bank of creek, in root of elm tree; copper nail	1,111.68
T. 29 N., R. 24 W., quarter cor. between secs. 29 and 30, 40 ft. N. and 14 ft. W. from crossroads; iron post stamped "1917 Mo 1228"	1,226.445
Reference mark, 30 ft. N. of NE. corner of crossroads, in root of 18-in. oak tree; copper nail	1,224.25
Tps. 28 and 29 N., R. 24 W., cor. secs. 5, 6, 31, and 32, NE. of crossroads, in yard of Mrs. Nancy Beal, in root of butternut tree; copper nail	1,281.33
T. 28 N., R. 24 W., W. sixteenth cor. between secs. 5 and 8, NE. of T-rd. N., near E. end of wooden culvert, on top of large sandstone rock; chiseled square	1,275.72
T. 28 N., R. 24 W., center of SW 1/4 sec. 8, 15 ft. N. and 12 ft. E. from T-rd. S.; iron post stamped "1917 Mo 1260"	1,258.120
Reference mark, at T-rd. S., on top of corner stone; chiseled square	1,257.75
T. 28 N., R. 24 W., center of SW 1/4 sec. 17, 0.8 mi. N. of Mount Vernon-Republic rd., at rd. corner from W.-S., on top of flint stone; chiseled square	1,257.56

## 8. FROM SEC. 30, T. 29 N., R. 24 W., WEST BY WAY OF HALLTOWN INTO STOTTS CITY QUADRANGLE AT SEC. 34, T. 29 N., R. 26 W. (by F. L. Whaley in 1916-17)

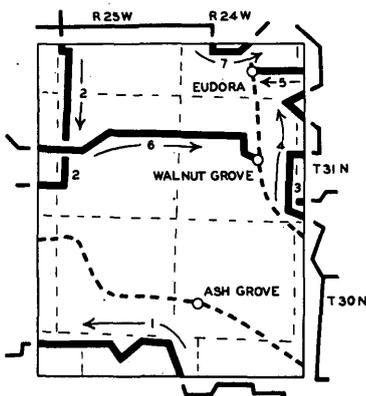
Halltown, 1.3 mi. E. of, quarter cor. between secs. 25 and 30, T. 29 N., Rs. 24 and 25 W., 30 ft. NE. of T-rd. N. on Green-Lawrence county line, on top of flint stone; chiseled square	1,230.22
Halltown, in W. part of, on W. side of street opposite school building, in SE. corner of ball park; iron post stamped "1917 Mo 1143" (reset at same elevation 30 ft. N. and 20 ft. W. from above described location, Dec. 11, 1923.)	1,141.598
Reference mark, in schoolyard, on NE. corner of concrete platform of pump; chiseled square	1,144.07
Halltown, 0.3 mi. W. of, center sec. 26, T. 29 N., R. 25 W., at T-rd. S., on top of corner stone; chiseled square	1,180.17
Halltown, 1 mi. W. of, E. sixteenth cor. sec. 27, T. 29 N., R. 25 W., NE. of T-rd. N., 30 ft. N. of fence corner, in root of 24-in. black-oak tree; nail	1,161.99
Halltown, 2 mi. W. of, E. sixteenth cor. sec. 28, T. 29 N., R. 25 W., S. of T-rd. N., 150 ft. W. of dwelling of A. H. Porter, in root of white-oak tree; copper nail	1,184.22
Paris Springs, 0.5 mi. S. and 0.5 mi. E. from, quarter cor. between secs. 28 and 29, T. 29 N., R. 25 W., NE. of T-rd. E., on concrete base of corner fence post; chiseled square	1,124.58
Turnback Creek, at S. side of steel bridge; surface of water on June 2, 1916	1,025.3
Johnson Creek, at ford; surface of water on June 3, 1916	1,050.6
T. 29 N., R. 25 W., in NW 1/4 NE 1/4 sec. 31, in W. side of yard of Antioch Church; iron post stamped "1917 Mo 1088"	1,085.925
Reference mark, in churchyard, in root of black-oak tree; copper nail	1,086.17
T. 29 N., R. 26 W., quarter cor. between secs. 25 and 36, 30 ft. SW. of T-rd. N., in root of 14-in. black-oak tree; copper nail	1,223.31
T. 29 N., R. 26 W., near quarter cor. between secs. 26 and 35, 60 ft. W. of junction of rd. into forest, in root of black-oak tree; copper nail	1,241.11

(Continued in Stotts City quadrangle; see line 3.)

9. FROM REPUBLIC QUADRANGLE AT SEC. 25, T. 29 N., R. 24 W., WEST ABOUT 0.8 MILE (by O. F. Hodgdon in 1934) (Continued from Republic quadrangle; see line 8.)		
T. 29 N., R. 24 W., in sec. 25, at ford across creek, S. of rd., about 2 ft. above surface of water, in root of 14-in. oak tree; copper nail and washer		Feet 1,108.56
T. 29 N., R. 24 W., near center sec. 25, at top of ridge, S. of rd., E. of gate at entrance to farmhouse, in root of 14-in. oak tree; copper nail		1,176.02
10. FROM REPUBLIC QUADRANGLE AT SEC. 31, T. 27 N., R. 23 W., NORTH TO SEC. 13, T. 27 N., R. 24 W. (by Charles E. Hunter in 1936) (Continued from Republic quadrangle; see line 11.)		
T. 27 N., R. 24 W., E. cor. secs. 25 and 36, 35 ft. S. and 40 ft. W. from T-rd. W., 65 ft. S. and 40 ft. W. from T-rd. E. at W. cor. secs. 30 and 31, T. 27 N., R. 23 W., 2 ft. N. of yard fence, in concrete post; standard tablet stamped "2018 E R A 1935"		1,332.191
Reference mark, 90 ft. N. and 55 ft. E. from tablet, in root on SW. side of 18-in. post-oak tree; copper nail and washer		1,330.40
Clever, 0.5 mi. S. and 1.5 mi. W. from, on E. line sec. 25, T. 27 N., R. 24 W., 105 ft. S. and 8 ft. W. from T-rd. E., on W. head wall of concrete culvert; chiseled square		1,257.16
T-rd. W., on W. end of iron pipe culvert; painted square		1,327.84
Clever, 1.5 mi. W. of, W. quarter cor. sec. 19, T. 27 N., R. 23 W., 40 ft. N. and 25 ft. W. from T-rd. E., in root on SW. side of 8-in. post-oak tree; copper nail and washer		1,392.43
Clever, 0.5 mi. N. and 1.5 mi. W. from, NE. cor. sec. 24, T. 27 N., R. 24 W., 25 ft. S. and 15 ft. W. from State Highway 14 at crossroad, on W. head wall of concrete culvert; chiseled square		1,377.09
11. IN SECS. 1 AND 12, T. 29 N., R. 25 W. (by W. V. Kennedy in 1938)		
T. 29 N., R. 25 W., E. sixteenth cor. between secs. 1 and 12, 25 ft. S. and 21 ft. W. from crossroads; iron post stamped "1917 Mo 1155"		1,154.027
Reference mark, NE. of crossroads, on concrete base of corner fence post; chiseled square		1,151.30
T. 29 N., R. 25 W., cor. secs. 1, 2, 11, and 12, 27 ft. S. and 22 ft. E. from crossroads; iron post stamped "Prim Trav Sta No 4 1916 Mo"		1,117.891
12. FROM ELSEY QUADRANGLE NORTH ALONG MISSOURI PACIFIC RAILROAD TO SEC. 36, T. 27 N., R. 24 W. (by W. V. Kennedy in 1938) (Continued from Elsey quadrangle; see line 6.)		
T. 27 N., R. 24 W., near W. sixteenth cor. between secs. 25 and 36, 105 ft. NE. of rd. crossing, in root on SE. side of 16-in. post-oak tree; copper nail and washer		1,224.48
For additional level lines along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey first-order line, Monett, Mo. to Memphis, Tenn.; and second-order line, Aurora to So. Greenfield.		

ASH GROVE QUADRANGLE  
(Latitude 37°15'-37°30'; longitude 93°30'-93°45')

Dade, Greene, Lawrence, and Polk Counties



1. FROM HALLTOWN QUADRANGLE AT POINT 2.8 MILES EAST OF LAWRENCEBURG, WEST INTO GREENFIELD QUADRANGLE AT SEC. 3, T. 29 N., R. 26 W. (by F. L. Whaley in 1916-17)  
(Continued from Halltown quadrangle; see line 6.)

	<u>Feet</u>
Lawrenceburg, 5.6 mi. NE. of, at ford across Sac River, in root of 24-in. elm tree; copper nail	994.57
Sac River, at ford; surface of water on June 28, 1916	990.8
Lawrenceburg, 4.3 mi. NE. of, about 0.8 mi. S. of N. quarter cor. sec. 1, T. 29 N., R. 25 W., 10 ft. S. and 14 ft. E. from T-rd. W.; iron post stamped "1917 Mo 1063"	1,061.258
Reference mark, 40 ft. SW. of T-rd. W., in corner of oak forest, in root of 10-in. white-oak tree; copper nail	1,055.72
Sac River, at ford; surface of water on June 29, 1916	982.3
Lawrenceburg, 3.2 mi. NE. of, about 1.3 mi. S. of N. cor. secs. 1 and 2, T. 29 N., R. 25 W., at T-rd. N.; top of iron stake	1,106.01
Lawrenceburg, 1.2 mi. N. of, about 1.3 mi. S. of N. cor. secs. 3 and 4, T. 29 N., R. 25 W., at T-rd. S.; 200 ft. SW. of SW. corner of Mount Home Christian Church, on top of corner stone; chiseled square	1,162.99
Lawrenceburg, 2.5 mi. NW. of, near old dwelling, at dim rd. corner; top of flint rock	1,211.94
Lawrenceburg, 3 mi. NW. of, about 0.5 mi. S. of N. cor. secs. 4 and 5, T. 29 N., R. 25 W., 0.5 mi. S. of Dade-Lawrence county line, 56 ft. S. and 17 ft. W. from T-rd. W.; iron post stamped "1917 Mo 1221"	1,219.545
Reference mark, 60 ft. S. of T-rd. W., in root of small wild-cherry tree; copper nail	1,218.00
Lawrenceburg, 4 mi. NW. of, about 0.5 mi. S. of N. cor. secs. 5 and 6, T. 29 N., R. 25 W., 0.5 mi. S. of Dade-Lawrence county line, 40 ft. W. of T-rd. E., S. of rd., on top of limestone rock; chiseled square	1,176.01
Lawrenceburg, 5 mi. NW. of, about 0.8 mi. S. of N. cor. secs. 1 and 6, T. 29 N., R. 25 W., on top of corner stone; chiseled square	1,068.85
Stinton, 3.6 mi. NE. of, 600 ft. W. of T-rd. N., 40 ft. S. of rd. corner E.-S., W. of rd., on top of sandstone rock; chiseled square	998.62
Stinton, 3.1 mi. NE. of, in W 1/2 sec. 1, T. 29 N., R. 26 W., at rd. corner N.-W., 150 ft. SW. of dwelling of J. E. Pendergross, 10 ft. W. of fence corner; iron post stamped "1917 Mo 1064"	1,062.052
Reference mark, 20 ft. W. of rd. corner, N. of E.-W. rd., on top of flint rock; chiseled square	1,059.99
Stinton, 2.2 mi. NE. of, in N 1/2 sec. 2, T. 29 N., R. 26 W., 0.5 mi. E. of ford across Turnback Creek, at top of hill, 40 ft. N. of T-rd. N., on top of stone ledge outcrop; chiseled square	1,077.99
Turnback Creek, at W. side of ford; surface of water on July 5, 1916	958.0

(Continued in Greenfield quadrangle; see line 1.)

2. FROM FAIR PLAY QUADRANGLE AT SEC. 19, T. 32 N., R. 25 W., SOUTH AND WEST INTO GREENFIELD QUADRANGLE AT SEC. 25, T. 31 N., R. 26 W. (by H. P. Jones in 1933)  
(Continued from Fair Play quadrangle; see line 1.)

T. 32 N., R. 25 W., quarter cor. between secs. 19 and 30, 15 ft. N. and 10 ft. E. from T-rd. N., on top of end of concrete drain pipe; chiseled square	1,011.16
Corry, in NW 1/4 sec. 30, T. 32 N., R. 25 W., 10 ft. S. and 2 ft. W. from SE. corner of church, in root on N. side of 8-in. hickory tree; copper nail and washer	1,050.13

	<u>Feet</u>
T. 32 N., Rs. 25 and 26 W., 13 ft. N. and 240 ft. E. from stone at cor. secs. 25, 30, 31, and 36, 15 ft. N. and 74 ft. E. from rd. forks, in concrete post; standard tablet stamped "T T 81 B 1933"	909.762
Tps. 31 and 32 N., Rs. 25 and 26 W., near cor. of, at SE. corner of New Hope Cumberland Church, on E. end of fourth concrete step; chiseled square	892.88
T. 31 N., R. 26 W., about 350 ft. W. of E. cor. secs. 1 and 12, 85 ft. S. and 30 ft. W. from T-rd. E., in root on E. side of 18-in. oak tree; copper nail and washer	995.69
T. 31 N., Rs. 25 and 26 W., near cor. secs. 7, 12, 13, and 18, 0.8 mi. N. of U.S. Highway 160, along rd. to Hulston Mill, 90 ft. N. and 20 ft. E. from T-rd. W., 40 ft. N. and 20 ft. E. from T-rd. E., in concrete post; standard tablet stamped "T T 82 B 1933"	1,057.908
T. 31 N., Rs. 25 and 26 W., 0.2 mi. N. of cor. secs. 13, 18, 19, and 24, 30 ft. N. and 15 ft. W. from U.S. Highway 160 at crossroad, on top of head wall of concrete culvert; chiseled square	983.46
T. 31 N., R. 25 W., in NE 1/4 sec. 19, on E. concrete wing wall of S. abutment of bridge over creek; chiseled square	941.56
T. 31 N., R. 25 W., 0.2 mi. E. of W. cor. secs. 19 and 30, 45 ft. S. and 20 ft. W. from T-rd. E., in root on E. side of 15-in. walnut tree; copper nail and washer	1,028.30
T. 31 N., R. 26 W., in NW 1/4 sec. 25, 295 ft. E. of T-rd. E., 26 ft. S. of rd., 12 ft. S. of fence, in sandstone outcrop; standard tablet stamped "T T 83 B 1933"	1,053.440

(Continued in Greenfield quadrangle; see line 2.)

3. FROM MORRISVILLE QUADRANGLE AT SEC. 29, T. 31 N., R. 23 W., WEST TO SEC. 30, T. 31 N., R. 23 W. (by K. L. Dooley in 1934)  
(Continued from Morrisville quadrangle; see line 1.)

T. 31 N., R. 23 W., quarter cor. between secs. 30 and 31, 5 ft. N. and 23 ft. W. from T-rd. E., in concrete post; standard tablet stamped "119 C W A 1934"	1,132.781
Reference mark, 40 ft. SE. of tablet, on E. head wall of culvert; chiseled square	1,133.49

4. FROM MORRISVILLE QUADRANGLE AT SEC. 30, T. 31 N., R. 23 W., NORTH INTO MORRISVILLE QUADRANGLE AT SEC. 31, T. 32 N., R. 23 W. (by H. B. Bigelow, C. A. Guthrie, and O. F. Hodgdon in 1934)  
(Continued from Morrisville quadrangle; see line 5.)

T. 31 N., R. 23 W., near center sec. 30, 40 ft. E. of T-rd. E., on NW. corner of N. head wall of concrete culvert; chiseled square	1,136.47
T. 31 N., R. 23 W., near center sec. 19, 220 ft. W. of T-rd. W., 250 ft. N. of dwelling, on SE. corner of S. head wall of concrete culvert; chiseled square	1,081.66
T. 31 N., R. 23 W., quarter cor. between secs. 18 and 19, on top of hill, N. of T-rd. S., in root of lone 30-in. oak tree; copper nail and washer	1,091.17

(For balance in Morrisville quadrangle, see line 5.)

Tps. 31 and 32 N., R. 23 W., near quarter cor. between secs. 6 and 31, 40 ft. N. and 15 ft. E. from junction of private entrance N., 26 ft. S. and 242 ft. W. from triangular-blazed 20-in. sugar-maple tree, in concrete post; standard tablet stamped "138 C W A 1934"	1,074.864
Reference mark, 340 ft. E. of tablet, on SW. corner of concrete base of W. gatepost; chiseled square	1,075.74
Graydon Springs, near SW. cor. sec. 31, T. 32 N., R. 23 W., on concrete steps of post office and general store; chiseled square	997.65

(Continued in Morrisville quadrangle; see line 5.)

5. FROM MORRISVILLE QUADRANGLE AT SEC. 19, T. 32 N., R. 23 W., WEST TO EUDORA (by H. B. Bigelow, C. A. Guthrie, and O. F. Hodgdon in 1934)

T. 32 N., R. 23 W., 35 ft. N. and 180 ft. E. from SW. cor. sec. 19, 40 ft. SW. of SW. corner of farmhouse of A. M. Mackey, N. of E.-W. rd., in root on SW. side of 12-in. maple tree; copper nail and washer	1,060.64
T. 32 N., R. 24 W., near quarter cor. between secs. 24 and 25, 35 ft. N. of T-rd. S., in root on SW. side of 9-in. post-oak tree; copper nail and washer	1,068.93
T. 32 N., R. 24 W., cor. secs. 23, 24, 25, and 26, 30 ft. N. and 15 ft. E. from crossroads, in SW. side of 12-in. corner fence post; spike	1,068.19
U.S.C. & G.S. standard disk stamped "F 23 1934"	1,104.014

6. FROM GREENFIELD QUADRANGLE, EAST ALONG U.S. HIGHWAY 160 TO SEC. 17, T. 31 N., R. 25 W., THENCE EAST AND SOUTH TO WALNUT GROVE (by Cornish Beck in 1936).  
(Continued from Greenfield quadrangle; see line 4.)

	<u>Feet</u>
T. 31 N., R. 26 W., about 0.2 mi. N. and 160 ft. W. from quarter cor. between secs. 13 and 24, 110 ft. N. of NE. corner of Jennings' store, on top of concrete right-of-way post; chiseled cross	1,026.59
Top of hill, 40 ft. S. and 200 ft. E. from U.S. Highway 160, in root on N. side of 26-in. black-oak tree; crossed nails	1,079.93
T. 31 N., R. 25 W., in sec. 17; about 0.6 mi. N. of junction of County Route C, 45 ft. N. and 100 ft. E. from rd. junction, on head wall of culvert; chiseled square	977.99
Dadeville, 3.8 mi. S. and 0.8 mi. W. from, in SE 1/4 sec. 17, T. 31 N., R. 25 W., 112 ft. S. and 82 ft. E. from junction of County Route C, 49 ft. S. of SE. corner of head wall of concrete culvert, in concrete post; standard tablet stamped "585 C W A 1934"	950.766
Junction of rd. N., 45 ft. N. and 18 ft. E. from, in fence post; nail	1,000.25
Dadeville, 3.8 mi. S. of, quarter cor. between secs. 9 and 16, T. 31 N., R. 25 W., 21 ft. N. and 45 ft. E. from junction of rds. E. and S., 55 ft. E. of highway, in root on W. side of 18-in. black-oak tree; copper nail and washer	1,047.85
Dadeville, 3.8 mi. S. of, quarter cor. between secs. 10 and 15; T. 31 N., R. 25 W., 20 ft. N. and 15 ft. E. from T-rd. S., in notch in fence post; copper nail and washer	953.05
Bridge over Sac River, on NE. wing wall; chiseled square	905.72
Dadeville, 3 mi. S. and 2.2 mi. E. from, E. sixteenth cor. between secs. 11 and 14, T. 31 N., R. 25 W., 18 ft. N. and 330 ft. E. from crossroads, in concrete post; standard tablet stamped "584 C W A 1934"	960.405
Crossroads, 12 ft. N. and 12 ft. E. from, in fence post; nail	977.64
Dadeville, about 3 mi. S. and 3 mi. E. from, near crossroads at corner of Dade, Green, and Polk Counties, 70 ft. N. of rd. E., in root on SE. side of 24-in. black-oak tree; copper nail and washer	1,095.91
Dadeville, about 3 mi. S. and 4 mi. E. from, cor. secs. 7, 8, 17, and 18, T. 31 N., R. 24 W., 21 ft. N. and 40 ft. E. from rd. at N.-S. fences, in root on N. side of 22-in. post-oak tree; copper nail and washer	1,098.87
Walnut Grove, 1 mi. N. and 2.7 mi. W. from, quarter cor. between secs. 8 and 17, T. 31 N., R. 24 W., 28 ft. N. and 25 ft. E. from crossroads, about 800 ft. SW. of dwelling on property of J. O. Hayter, in concrete post; standard tablet stamped "583 C W A 1934"	1,083.755
T-rd. S., 15 ft. S. and 27 ft. E. from, in fence post; nail	1,138.57
T-rd. N., 15 ft. N. and 2 ft. W. from, on head wall of culvert; chiseled square	1,118.87
Walnut Grove, about 1 mi. N. and 1.5 mi. W. from, about 0.2 mi. W. of cor. secs. 9, 10, 15, and 16, T. 31 N., R. 24 W., on NW. corner of bridge; chiseled square	1,084.86
Walnut Grove, 1 mi. N. and 0.2 mi. W. from, on County Route A (now State Highway 123), E. sixteenth cor. between secs. 10 and 15, T. 31 N., R. 24 W., 30 ft. S. and 38 ft. W. from junction of rd. W., on Greene-Polk county line, in concrete post; standard tablet stamped "582 C W A 1934"	1,171.811
U.S.C. & G.S. standard disk stamped "J 23 1934"	1,186.976

7. FROM FAIR PLAY QUADRANGLE AT SEC. 20, T. 32 N., R. 24 W., EAST AND NORTH INTO FAIR PLAY QUADRANGLE AT POINT 1.4 MILES NORTHWEST OF EUDORA (by Cornish Beck in 1936).  
(Continued from Fair Play quadrangle; see line 5.)

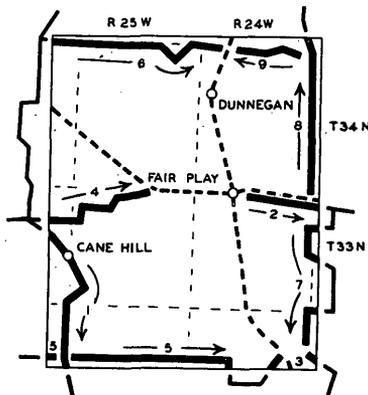
T. 32 N., R. 24 W., in NE 1/4 sec. 20, 15 ft. E. of rd. at lane W. to dwelling of J. E. Hagerman, in W. side of 14-in. elm tree; spike	924.95
T. 32 N., R. 24 W., in NE 1/4 sec. 21, 32 ft. S. and 12 ft. E. from T-rd. S., in root on W. side of 13-in. cedar tree; copper nail and washer	1,036.41
State Highway 123 at curve and rd. W., 40 ft. N. and 85 ft. W. from, in root on W. side of 26-in. walnut tree; nail	1,009.37
Eudora, 1 mi. N. and 1 mi. W. from, N. sixteenth cor. sec. 22, T. 32 N., R. 24 W., 33 ft. S. and 32 ft. W. from T-rd. N., N. of dwelling on property of L. C. McDonald, in concrete post; standard tablet stamped "580 C W A 1934"	1,113.348
State Highway 123 at curve, 30 ft. S. of, in telephone pole; nail	1,118.27

(Continued in Fair Play quadrangle; see line 5.)

For additional level lines along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey second-order lines, Sedalia to Springfield and Cherokee, Kans. to Nichols, Mo.

## SPIRIT LEVELING IN MISSOURI

FAIR PLAY QUADRANGLE  
 (Latitude 37°30'-37°45'; longitude 93°30'-93°45')  
 Cedar, Dade, and Polk Counties



1. FROM STOCKTON QUADRANGLE AT SEC. 14, T. 33 N., R. 26 W., SOUTH INTO ASH GROVE QUADRANGLE AT SEC. 19, T. 32 N., R. 25 W. (by H. P. Jones and W. R. Broaddus in 1933)  
 (Continued from Stockton quadrangle; see line 1.)

	<u>Feet</u>
T. 33 N., R. 26 W., near center sec. 14, 20 ft. N. of rd. forks, in root on NW. side of 30-in. black-oak tree; copper nail and washer	872.37
T. 33 N., R. 26 W., E. sixteenth cor. sec. 23, 10 ft. S. of T-rd. N., in root on N. side of 20-in. black-oak tree; copper nail and washer	968.21
Cane Hill, 0.2 mi. N. of, near center sec. 24, T. 33 N., R. 26 W., 20 ft. S. and 20 ft. E. from rd. forks, on top of E. head wall of culvert; chiseled square	980.47
Cane Hill, 0.4 mi. SE. of, 38 ft. S. and 60 ft. W. from E. sixteenth cor. between secs. 24 and 25, T. 33 N., R. 26 W., 19 ft. S. and 40 ft. W. from rd. forks, on Cedar-Dade county line, in concrete post; standard tablet stamped "T T 78 B 1933"	984.968
T. 33 N., R. 25 W., in NW 1/4 sec. 30, 20 ft. N. of NW. corner of church, in root on NW. side of 24-in. black-oak tree; copper nail and washer	994.45
T. 33 N., R. 25 W., quarter cor. between secs. 30 and 31, 15 ft. W. of T-rd. E., in root on NW. side of 20-in. cherry tree; copper nail and washer	938.30
T. 33 N., R. 25 W., S. quarter cor. sec. 31, 10 ft. S. and 10 ft. W. from rd. forks, in root on N. side of 18-in. black-oak tree; copper nail and washer	1,009.12
Tps. 32 and 33 N., Rs. 25 and 26 W., cor. of, 18 ft. N. and 58 ft. E. from rd. corner, in concrete post; standard tablet stamped "T T 79 B 1933"	1,021.828
T. 32 N., R. 26 W., E. cor. secs. 1 and 12, 160 ft. S. and 15 ft. E. from T-rd. W., in root on NW. side of 30-in. black-oak tree; copper nail and washer	1,033.42
T. 32 N., R. 26 W., E. cor. secs. 12 and 13, 15 ft. E. of T-rd. W., in root on NW. side of 30-in. maple tree; copper nail and washer	1,068.53
T. 32 N., R. 26 W., E. quarter cor. sec. 13, 12 ft. N. and 10 ft. W. from T-rd. N., on top of head wall of concrete culvert; chiseled square	1,056.88
T. 32 N., R. 25 W., quarter cor. between secs. 18 and 19, 60 ft. S. and 20 ft. E. from T-rd. S., in concrete post; standard tablet stamped "T T 80 B 1933"	1,066.528

(Continued in Ash Grove quadrangle; see line 2.)

2. FROM FAIR PLAY EAST ALONG STATE HIGHWAY 64 INTO BOLIVAR QUADRANGLE (by O. F. Hodgdon in 1934)

Fair Play, 0.3 mi. N. of, on St. Louis-San Francisco Ry., 42 ft. SE. of rd. crossing, 32 ft. E. of track, 48 ft. W. of State Highway 13, in concrete post; U.S.C. & G.S. standard disk stamped "X 22 1934"	1,000.579
Reference mark, 13 ft. N. and 24 ft. E. from tablet, on S. concrete head wall of 15-in. tile pipe culvert; chiseled square	1,000.48
Fair Play, 90 ft. S. of St. Louis-San Francisco Ry. sta., 36 ft. W. of track, 34 ft. N. of Third Street, in concrete post; U.S.C. & G.S. standard disk stamped "Z 22 1934"	993.561
Reference mark, 16 ft. S. and 177 ft. E. from tablet, on E. head wall of concrete culvert; chiseled square	994.40
Tps. 33 and 34 N., R. 24 W., quarter cor. between secs. 4 and 33, 21 ft. N. and 210 ft. E. from junction of County Route J, on N. head wall of concrete culvert; chiseled square	1,026.63

	Feet
T. 33 N., R. 24 W., in NW 1/4 sec. 3, 0.8 mi. E. of junction of County Route J, on N. head wall of concrete culvert; chiseled square	988.06
T. 33 N., R. 24 W., in NE 1/4 sec. 3, in SE. corner of concrete bridge H-21 over Barren Creek; steel bar	973.86
T. 33 N., R. 24 W., quarter cor. between secs. 1 and 2, 55 ft. S. and 91 ft. W. from N.-S. crossroad, 42 ft. S. and 15 ft. E. from SE. corner of dwelling of Oren McCrory, in concrete post; standard tablet stamped "1222 C W A 1934"	1,058.357
Reference mark, 26 ft. S. and 22 ft. E. from tablet, in root on NE. side of 13-in. hickory tree; copper nail and washer	1,059.42
T. 33 N., R. 24 W., about 580 ft. S. of center sec. 1, on top of NW. wall of concrete culvert; chiseled square	1,046.88
Tps. 33 and 34 N., Rs. 23 and 24 W., cor. of, 42 ft. N. and 30 ft. W. from T-rd. N., 175 ft. S. and 10 ft. E. from SE. corner of school, in concrete post; standard tablet stamped "162 C W A 1934"	1,079.851
Reference mark, 6 ft. N. and 20 ft. W. from tablet, in root on SE. side of 9-in. hickory tree; copper nail and washer	1,078.86

(Continued in Bolivar quadrangle; see line 1.)

3. FROM MORRISVILLE QUADRANGLE AT SEC. 17, T. 32 N., R. 23 W., NORTHWEST ABOUT 0.8 MILE (by H. B. Bigelow, C. A. Guthrie, and O. F. Hodgdon in 1934)  
(Continued from Morrisville quadrangle; see line 5.)

T. 32 N., R. 23 W., in SW 1/4 sec. 18, 176 ft. N. and 475 ft. E. from T-rd. E., 97 ft. E. of SE. corner of dwelling, in concrete post; standard tablet stamped "182 C W A 1934"	939.226
Reference mark, 200 ft. SE. of tablet, in fence line S. of rd., in root on W. side of 12-in. maple tree; copper nail and washer	940.78

4. FROM STOCKTON QUADRANGLE AT SEC. 13, T. 33 N., R. 26 W., NORTHEAST TO STATE HIGHWAY 64 AT POINT 4 MILES WEST OF FAIR PLAY (by Cornish Beck in 1935)  
(Continued from Stockton quadrangle; see line 4.)

T. 33 N., R. 26 W., W. sixteenth cor. between secs. 12 and 13, 15 ft. S. and 15 ft. E. from T-rd. S., on concrete foundation of corner fence post; chiseled square	916.68
Little Sac River, under bridge; surface of water at 2 p. m. Jan. 21, 1935	795.9
T. 33 N., R. 25 W., in SW 1/4 sec. 7, on NE. abutment of bridge over Little Sac River; chiseled square	813.86
T. 33 N., R. 25 W., quarter cor. between secs. 6 and 7, 5 ft. S. and 9 ft. W. from T-rd. S., in root on S. side of 30-in. black-oak tree; copper nail and washer	943.41
T-rd. N., 36 ft. N. and 20 ft. E. from, in SE. side of 30-in. post-oak tree; (mark not described)	970.98
T. 33 N., R. 25 W., S. quarter cor. sec. 5, 25 ft. N. and 25 ft. E. from T-rd. S., in concrete post; standard tablet stamped "131 C W A 1934"	981.227
T-rd. W., NW. of, in corner post; nail	977.87
T-rd. E., 75 ft. S. and 10 ft. E. from, in telephone pole; nail	984.70
T. 33 N., R. 25 W., S. sixteenth cor. sec. 4, 24 ft. S. and 20 ft. W. from T-rd. S., in NE. side of fence post; nail	1,000.70
T. 33 N., R. 25 W., N. sixteenth cor. sec. 3, 25 ft. N. of T-rd. S., in root on SE. side of 24-in. black-oak tree; copper nail and washer	1,027.86
State Highway 64 at rd. S., 90 ft. S. and 30 ft. W. from, in N. side of telephone pole; nail	1,015.74
Fair Play, 4 mi. W. of, near cor. secs. 2, 3, 34, and 35, Tps. 33 and 34 N., R. 25 W., 39 ft. N. and 42 ft. W. from intersection of State Highway 64 and County Route C, in concrete post; standard tablet stamped "132 C W A 1934"	1,005.297

5. FROM STOCKTON QUADRANGLE AT SEC. 23, T. 32 N., R. 26 W., EAST TO ST. LOUIS-SAN FRANCISCO RAILWAY AT POINT 1.7 MILES NORTH OF EUDORA (by Cornish Beck in 1936)  
(Continued from Stockton quadrangle; see line 7.)

T. 32 N., R. 25 W., quarter cor. between secs. 17 and 20, 10 ft. S. and 18 ft. E. from crossroads, in root on NW. side of 14-in. apple tree; copper nail and washer	1,077.63
Bottom of hollow, on N. head wall of culvert; chiseled square	1,015.72
T. 32 N., R. 25 W., quarter cor. between secs. 16 and 21, 72 ft. S. and 15 ft. E. from rd. corner, in E. side of 14-in. black-oak tree; copper nail and washer	1,066.01
Top of hill, County Route C at fence E., in corner post; nail	1,019.91
Dadeville, 1.2 mi. N. and 0.5 mi. E. from, quarter cor. between secs. 15 and 22, T. 32 N., R. 25 W., 20 ft. N. and 42 ft. E. from rd. corner S.-E., on property of John Glenn, in concrete post; standard tablet stamped "578 C W A 1934"	1,016.406
Crossroads, 14 ft. S. and 9 ft. W. from, on head wall of culvert; chiseled square	965.83
Dadeville, about 1.2 mi. N. and 1.5 mi. E. from, near quarter cor. between secs. 14 and 23, T. 32 N., R. 25 W., 18 ft. N. and 20 ft. E. from rd. at creek, in SW. side of 24-in. walnut tree; copper nail and washer	961.44
Crossroads, 15 ft. S. and 15 ft. W. from, in corner fence post; nail	1,025.01

Dadeville, about 2.2 mi. N. and 2.5 mi. E. from, near quarter cor. between secs. 12 and 13, T. 32 N., R. 25 W., at rd. corner, on E. corner of concrete culvert; chiseled square	<u>Feet</u> 1,016.46
Crossroads, 13 ft. N. and 15 ft. E. from, on head wall of culvert; chiseled square	1,063.82
Dadeville, 1.5 mi. N. and 3.5 mi. E. from, center of SE 1/4 sec. 18, T. 32 N., R. 24 W., 176 ft. S. and 6 ft. E. from rd. corner W.-N., on property of Roy Hagerman, in concrete post; standard tablet stamped "579 C W A 1934"	996.239
(For balance in Ash Grove quadrangle, see line 7.)	
U.S.C. & G.S. standard disk stamped "E 23 1934"	1,022.396
6. FROM STOCKTON QUADRANGLE AT SEC. 2, T. 34 N., R. 26 W., EAST TO ST. LOUIS-SAN FRANCISCO RAILWAY AT POINT 2.7 MILES NORTH OF DUNNEGAN (by Cornish Beck in 1936)	
(Continued from Stockton quadrangle; see line 6.)	
T-rd. S., 18 ft. S. and 120 ft. W. from, in N. side of 14-in. post-oak tree; copper nail and washer	845.55
T. 34 N., R. 26 W., near N. cor. secs. 1 and 2, 15 ft. N. and 6 ft. E. from rd. at lane N., in root on SW. side of 27-in. locust tree; copper nail and washer	861.70
T. 35 N., R. 25 W., 657 ft. W. of S. quarter cor. sec. 32, 35 ft. S. and 105 ft. E. from dwelling, 33 ft. N. of rd., 3 ft. E. of garden fence, in concrete post; standard tablet stamped "504 C W A 1934"	970.567
T. 35 N., R. 25 W., near S. cor. secs. 32 and 33, 50 ft. N. and 17 ft. W. from crossroads, in root on NW. side of 24-in. black-jack-oak tree; copper nail and washer	1,033.36
T. 35 N., R. 25 W., S. cor. secs. 33 and 34, 14 ft. S. of rd. fork NW., in root on NE. side of 30-in. black-oak tree; copper nail and washer	1,056.08
Bridge; center of floor	
T. 35 N., R. 25 W., W. sixteenth cor. on S. line, sec. 35, 25 ft. N. and 40 ft. E. from rd. at fences N. and S., in concrete post; standard tablet stamped "503 C W A 1934"	941.700
Rd. fork N., 90 ft. E. of, in root on S. side of 22-in. post-oak tree; copper nail and washer	958.63
T. 34 N., R. 25 W., N. cor. secs. 2 and 3, 15 ft. S. and 12 ft. E. from T-rd. S., on E. end of concrete culvert; chiseled square	972.34
T. 34 N., R. 25 W., near N. quarter cor. sec. 2, 12 ft. S. and 9 ft. E. from T-rd. N., in N. side of corner fence post; nail	1,053.50
T-fence S., in corner post; nail	1,018.18
T. 34 N., R. 25 W., near N. quarter cor. sec. 1, 27 ft. S. and 14 ft. W. from T-rd. S., in root on NE. side of 36-in. black-oak tree; copper nail and washer	1,046.15
T. 35 N., R. 24 W., in SW 1/4 sec. 32, 45 ft. N. and 100 ft. E. from T-rd. N., 3 ft. W. of garden fence, in concrete post; standard tablet stamped "502 C W A 1934"	1,087.045
T. 34 N., R. 24 W., near N. quarter cor. sec. 6, 15 ft. N. and 15 ft. W. from T-rd. N. at crossroads, in S. side of corner fence post; nail	1,011.87
T-rd. S., 18 ft. S. and 60 ft. E. from, in telephone pole; nail	1,016.28
U.S.C. & G.S. standard disk stamped "V 22 1934"	975.884
7. FROM BOLIVAR QUADRANGLE AT SEC. 1, T. 33 N., R. 24 W., SOUTH TO SEC. 18, T. 32 N., R. 23 W. (by C. W. Williams in 1936)	
(Continued from Bolivar quadrangle; see line 6.)	
T. 33 N., R. 24 W., in SE 1/4 sec. 1, 59 ft. N. and 21 ft. W. from State Highway 64 at rd. S., in root on NE. side of triple black-oak tree; copper nail and washer	1,050.65
T. 33 N., R. 23 and 24 W., cor. secs. 7, 12, 13, and 18, 24 ft. S. and 34 ft. E. from T-rd. N., in root on NW. side of 34-in. black-oak tree; copper nail and washer	1,061.03
T-rd. W., 45 ft. S. and 22 ft. W. from, in root on SE. side of 15-in. black-oak tree; crossed nails	1,094.80
T. 33 N., R. 24 W., in SE 1/4 sec. 13, 72 ft. S. and 25 ft. W. from ford across Bear Creek, in root on SE. side of 16-in. elm tree; copper nail and washer	956.66
T. 33 N., R. 24 W., E. sixteenth cor. sec. 24, 25 ft. E. of T-rd. W., in concrete post; standard tablet stamped "163 C W A 1934"	1,054.057
T-rd. N., 35 ft. N. and 38 ft. W. from, in root on NE. side of 12-in. elm tree; crossed nails	1,020.19
(For balance in Bolivar quadrangle, see line 6.)	
T-rd. E., 22 ft. N. and 27 ft. E. from, in root on NW. side of 30-in. post-oak tree; crossed nails	1,084.15
T. 33 N., R. 23 and 24 W., quarter cor. between secs. 31 and 36, 20 ft. S. and 30 ft. W. from rd. corner E.-S., 8 ft. W. of fence W. of rd., in concrete post; standard tablet stamped "164 C W A 1934"	1,100.730
Rd. fork NE., 30 ft. N. and 105 ft. W. from, in root on N. side of 12-in. walnut tree; crossed nails	1,038.94
T. 32 N., R. 24 W., in NW 1/4 sec. 1, 160 ft. S. and 19 ft. E. from rd. forks, in root on E. side of 34-in. post-oak tree; copper nail and washer	988.73
T-rd. S., 55 ft. S. and 12 ft. E. from, in root on W. side of 26-in. walnut tree; crossed nails	944.65

	<u>Feet</u>
T. 32 N., R. 24 W., in NW 1/4 sec. 12, at NW. corner of concrete low-water bridge over Walnut Creek, on railing at base of post; chiseled square	872.62
T. 32 N., R. 24 W., in NE 1/4 sec. 12, 210 ft. N. and 20 ft. W. from T-rd. N., 57 ft. W. of SW. corner of dwelling, 8 ft. W. of fence, in concrete post; standard tablet stamped "165 C W A 1934"	992.450
T. 32 N., R. 24 W., quarter cor. between secs. 12 and 13, 24 ft. N. and 38 ft. W. from T-rd. N., in root on NE. side of 22-in. sycamore tree; copper nail and washer	929.30
T. 32 N., R. 23 W., W. sixteenth cor. between secs. 7 and 18, 58 ft. S. and 12 ft. W. from rd. at fence N., 58 ft. S. and 70 ft. E. from T-rd. S., in root on NW. side of 36-in. elm tree; copper nail and washer	968.65

8. FROM BOLIVAR QUADRANGLE AT SEC. 30, T. 34 N., R. 23 W., NORTH INTO HUMANSVILLE QUADRANGLE AT SEC. 31, T. 35 N., R. 23 W. (by C. W. Williams in 1936)

T. 34 N., Rs. 23 and 24 W., cor. secs. 25, 30, 31, and 36, 26 ft. N. and 16 ft. E. from crossroads, in root on W. side of 23-in. black-oak tree; copper nail and washer	1,112.10
Rd. at creek, 15 ft. W. of, in root on N. side of 24-in. water-oak tree; crossed nails	1,068.67
T. 34 N., Rs. 23 and 24 W., cor. secs. 19, 24, 25, and 30, 114 ft. S. and 38 ft. E. from rd. at E.-W. fences, 58 ft. S. and 25 ft. W. from SW. corner of farmhouse, in root on W. side of 14-in. post-oak tree; copper nail and washer	1,173.94
T-rd. S., 170 ft. N. and 60 ft. W. from, in root on SE. side of 18-in. elm tree; crossed nails	1,152.23
T. 34 N., R. 23 W., near SW. cor. sec. 18, 25 ft. E. of N.-S. rd., 3 ft. N. of yard fence N. of dwelling, in concrete post; standard tablet stamped "161 C W A 1934"	1,153.786
Rd. at creek, 100 ft. S. and 37 ft. W. from, in root on SW. side of 14-in. walnut tree; crossed nails	1,053.15
T. 34 N., R. 23 W., in SW. cor. sec. 7, 45 ft. N. and 32 ft. E. from T-rd. N., in root on SE. side of 15-in. post-oak tree; copper nail and washer	1,077.62
T. 34 N., R. 24 W., in NE. cor. sec. 12, 32 ft. S. and 30 ft. W. from crossroads, in root on SW. side of 11-in. post-oak tree; copper nail and washer	1,098.00
T. 34 N., R. 23 W., 0.8 mi. N. of SW. cor. sec. 6, 50 ft. S. and 15 ft. W. from T-rd. S., 50 ft. S. and 156 ft. E. from dim rd. at fence N., in root on SW. side of 18-in. post-oak tree; copper nail and washer	1,120.56
T. 34 N., R. 24 W., in NE 1/4 sec. 1, 30 ft. N. of rd., 15 ft. E. of old N.-S. rd., in concrete post; standard tablet stamped "160 C W A 1934"	1,034.271
Reference mark, 160 ft. S. of tablet, in root on SE. side of 18-in. post-oak tree; copper nail and washer	1,031.28
T. 34 N., R. 24 W., 0.5 mi. S. and 0.2 mi. W. from NE. cor. sec. 1, 31 ft. S. and 32 ft. W. from crossroads, in root on NW. side of 15-in. black-oak tree; copper nail and washer	1,129.45
T. 35 N., R. 23 W., in SE 1/4 sec. 31, 45 ft. W. of rd. at small creek, in root on NE. side of 14-in. post-oak tree; copper nail and washer	1,013.69

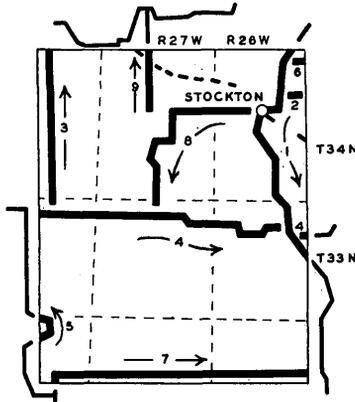
(Continued in Humansville quadrangle; see line 5.)

9. FROM SEC. 1, T. 34 N., R. 24 W., WEST TO ST. LOUIS-SAN FRANCISCO RAILWAY AT POINT 2.7 MILES NORTH OF DUNNEGAN (by C. W. Williams in 1936)

T. 34 N., R. 24 W., about 0.4 mi. S. of N. cor. secs. 1 and 2, 150 ft. S. and 250 ft. E. from rd. fork SE., in root on S. side of 20-in. blackjack-oak tree; copper nail and washer	1,166.43
T-rd. S., 10 ft. S. and 44 ft. E. from, in root on SW. side of 14-in. hickory tree; crossed nails	1,161.87
T. 34 N., R. 24 W., about 0.2 mi. S. and 0.6 mi. E. from NW. cor. sec. 2, 35 ft. N. and 86 ft. W. from T-rd. W., in root on SE. side of 14-in. cherry tree; copper nail and washer	1,093.94
T-rd. E., 20 ft. S. and 14 ft. W. from, in root on NW. side of 14-in. post-oak tree; crossed nails	1,061.00
T. 34 N., R. 24 W., 0.5 mi. S. of N. cor. secs. 2 and 3, 5 ft. N. and 28 ft. E. from rd. at fence W., 7 ft. S. and 28 ft. E. from junction of rd. through field, in root on W. side of 16-in. walnut tree; copper nail and washer	1,083.44
T. 34 N., R. 24 W., in NE 1/4 sec. 4, 25 ft. N. of rd. corner S.-W., 4 ft. NW. of fence corner, in concrete post; standard tablet stamped "501 C W A 1934"	1,050.337
T. 34 N., R. 24 W., about 0.4 mi. S. of N. quarter cor. sec. 4, 20 ft. N. and 24 ft. E. from State Highway 13 at crossroad, on top of E. head wall of concrete culvert; chiseled square	1,031.63
U.S.C. & G.S. standard disk stamped "V 22 1934"	975.884

For additional level lines along St. Louis-San Francisco Ry. and State Highway 64, refer to United States Coast and Geodetic Survey second-order lines, Sedalia to Springfield and Fair Play to Nevada.

STOCKTON QUADRANGLE  
(Latitude 37°30'-37°45'; longitude 93°45'-94°00')  
Cedar and Dade Counties



1. FROM PLEASANT VIEW QUADRANGLE AT SEC. 35, T. 35 N., R. 26 W., SOUTH INTO FAIR PLAY QUADRANGLE AT SEC. 14, T. 33 N., R. 26 W. (by H. P. Jones and W. R. Broadus in 1933)  
(Continued from Pleasant View quadrangle; see line 2.)

T. 35 N., R. 26 W., 50 ft. N. and 370 ft. E. from S. quarter cor. sec. 35, on County Route J, 0.8 mi. NE. of Sac River, 50 ft. N. and 6 ft. E. from crossroad, in concrete post; standard tablet stamped "T T 73 B 1933"	869.581
Reference mark, 71 ft. N. 75° W. of tablet, in root on SW. side of 12-in. maple tree; copper nail and washer	871.05
Bridge over Sac River, at top of NE. pier, on steel cap; chiseled square	785.60
T. 34 N., R. 26 W., in sec. 4, 0.6 mi. S. of bridge over Sac River, at bottom of hill, 5 ft. N. and 18 ft. E. from County Route J at rd. W., in root on NW. side of 24-in. red-oak tree; copper nail and washer	786.62
T. 34 N., R. 26 W., E. sixteenth cor. between secs. 4 and 9, 35 ft. S. and 75 ft. E. from County Route J at crossroad, in root on SW. side of 30-in. red-oak tree; copper nail and washer	957.56
Stockton, 0.5 mi. E. of, along State Highway 64, in S 1/2 sec. 9,	
T. 34 N., R. 26 W., 40 ft. S. and 30 ft. W. from junction of County Route J, on SE. side of walk to dwelling of Robert Hartley, in concrete post; standard tablet stamped "T T 74 B 1933"	956.202
Stockton, 1 block S., thence 1 block E. from square, on S. end of bottom concrete step of Methodist Church; chiseled square	951.52
T. 34 N., R. 26 W., quarter cor. between secs. 16 and 17, 85 ft. S. and 30 ft. E. from T-rd. E., in root on SE. side of 20-in. oak tree; copper nail and washer	990.24
T. 34 N., R. 26 W., 40 ft. S. and 150 ft. W. from quarter cor. between secs. 15 and 16, 5 ft. SW. of fence, in root on NE. side of 18-in. elm tree; copper nail and washer	875.84
T. 34 N., R. 26 W., 740 ft. N. of quarter cor. between secs. 21 and 22, 55 ft. S. and 85 ft. W. from SW. corner of farmhouse of Mel Preston, 28 ft. W. of rd., 10 ft. W. of N. gatepost, in rock ledge; standard tablet stamped "T T 75 B 1933"	942.722
T. 34 N., R. 26 W., about 180 ft. N. of cor. secs. 21, 22, 27, and 28, 20 ft. SW. of rd. at curve, in root on N. side of white-oak tree; copper nail and washer	798.56
T. 34 N., R. 26 W., cor. secs. 27, 28, 33, and 34, 135 ft. N. and 103 ft. E. from T-rd. N., 23 ft. S. and 65 ft. W. from SW. corner of school-house, in root on S. side of 28-in. elm tree; copper nail and washer	810.60
T. 34 N., R. 26 W., near center of SW 1/4 sec. 34, 24 ft. S. and 42 ft. E. from rd. junction, 11 ft. E. of 15-in. hickory tree, in concrete post; standard tablet stamped "T T 76 B 1933"	798.887
T. 33 N., R. 26 W., in sec. 3, on NW. pier of bridge over Sac River; top of W. rivet	805.24
Umbel, in SW 1/4 sec. 2, T. 33 N., R. 26 W., at E. corner of yard of J. J. O'Bryant, 30 ft. W. of rd., in root on E. side of 18-in. post; copper nail and washer	968.10
T. 33 N., R. 26 W., quarter cor. between secs. 2 and 11, 10 ft. N. and 10 ft. E. from T-rd. W., in root on SW. side of 36-in. hickory tree; copper nail and washer	944.30
T. 33 N., R. 26 W., quarter cor. between secs. 11 and 14, 12 ft. N. and 33 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 77 B 1933"	891.063

(Continued in Fair Play quadrangle; see line 1.)

## 2. LINE TO DETERMINE ELEVATION OF WATER-RESOURCES GAGE NEAR STOCKTON (by Cornish Beck in 1935)

	<u>Feet</u>
T. 34 N., R. 26 W., in sec. 11, at E. upstream end of State Highway 64 bridge over Sac River, in top of concrete handrail post; standard tablet (set by water-resources branch of U.S.Geol. Survey)	807.073
T. 34 N., R. 26 W., in sec. 11, near State Highway 64 bridge over Sac River, 27 ft. downstream and 13 ft. W. of extreme W. downstream corner of downstream wing wall of right abutment, in rock ledge; standard tablet (set by water-resources branch of U.S.Geol. Survey)	791.098
U.S.C. & G.S. standard disk stamped "C 24"	862.423

## 3. FROM SEC. 3, T. 33 N., R. 28 W., NORTH INTO PLEASANT VIEW QUADRANGLE AT SEC. 4, T. 34 N., R. 28 W. (by Cornish Beck in 1935)

Jerico Springs, 0.5 mi. E. of, along County Route B, cor. secs. 3, 4, 9, and 10, T. 33 N., R. 28 W., 32 ft. N. and 110 ft. E. from N.-S. crossroad, in concrete post; standard tablet designated "124 C W A 1934" (not stamped)	985.734
T-rd. E., 8 ft. N. and 23 ft. E. from; chiseled square	992.7
T. 34 N., R. 28 W., S. cor. secs. 33 and 34, 5 ft. S. and 8 ft. (?) from junction of rd. N., on sandstone head wall of culvert; chiseled square	972.56
T. 34 N., R. 28 W., cor. secs. 27, 28, 33, and 34, 3 ft. N. and 11 ft. W. from T-rd. W., on N. end of concrete culvert; chiseled square	926.10
T. 34 N., R. 28 W., cor. secs. 21, 22, 27, and 28, about 150 ft. N. of rd. at E.-W. fences, on NW. wing wall of bridge; chiseled square	881.45
T. 34 N., R. 28 W., quarter cor. between secs. 21 and 22, 22 ft. N. and 3 1/2 ft. (24 ft. by levelman) E. from crossroads, in concrete post; standard tablet stamped "125 C W A 1934"	953.421
T. 34 N., R. 28 W., cor. secs. 15, 16, 21, and 22, 39 ft. N. and 32 ft. E. from crossroads, in yard, in root on W. side of 36-in. oak tree; copper nail and washer	998.16
Lowest point in hollow, 22 ft. E. of rd., in root on W. side of 4-in. oak tree; nail	927.95
T. 34 N., R. 28 W., S. sixteenth cor. between secs. 9 and 10, 24 ft. E. of rd. at T-fence E., in root on W. side of 24-in. black-oak tree; copper nail and washer	945.06
Creek bed; center of rd.	828.1
T. 34 N., R. 28 W., 0.5 mi. N. of S. cor. secs. 3 and 4, 69 ft. S. and 24 ft. E. from T-rd. E., in concrete post; standard tablet stamped "126 C W A 1934"	843.898
Bridge over Horse Creek, on NW. abutment; chiseled square	830.71
Horse Creek, under bridge; surface of water at 4 p. m. Jan. 2, 1936	810.6
T. 34 N., R. 28 W., about 1.3 mi. N. of S. cor. secs. 3 and 4, 6 ft. N. and 17 ft. E. from T-rd. W., in root on S. side of 5-in. post-oak tree; copper nail and washer	908.54
T-rd. E., 10 ft. N. and 24 ft. E. from, in telephone pole; nail	926.01
T. 34 N., R. 28 W., about 0.9 mi. S. of N. cor. secs. 3 and 4, 45 ft. N. and 25 ft. W. from crossroads, in root on E. side of 36-in. oak tree; copper nail and washer	881.74
Small iron bridge, on NW. wing wall; chiseled square	827.40

## 4. FROM MONTEVALLO QUADRANGLE AT SEC. 2, T. 33 N., R. 28 W., EAST INTO FAIR PLAY QUADRANGLE AT SEC. 13, T. 33 N., R. 26 W. (by Cornish Beck in 1935)

Jerico Springs, about 1.5 mi. E. of, along County Route B, 25 ft. N. and 30 ft. W. from crossroad; top of right-of-way post	1,004.70
Junction of rd. N., NE. of, in telephone pole; nail	984.30
Jerico Springs, about 2.5 mi. E. of, along County Route B, 35 ft. S. and 10 ft. E. from junction of rd. S., on E. head wall of concrete culvert; chiseled square	958.60
Jerico Springs, 3.5 mi. E. of, along County Route B, cor. secs. 1, 6, 7, and 12, T. 33 N., Rs. 27 and 28 W., 33 ft. S. and 38 ft. W. from N.-S. crossroad, in top of boulder; U.S.C. & G.S. and State Survey standard disk stamped "128 C W A 1934"	959.039
Junction of rd. N., 18 ft. S. and 30 ft. E. from, on W. end of pipe culvert; (mark not described)	924.7
Jerico Springs, about 4.5 mi. E. of, along County Route B, 24 ft. S. and 10 ft. W. from junction of private rd. S., on W. end of iron pipe culvert; (mark not described)	926.7
Jerico Springs, about 5.5 mi. E. of, along County Route B, on concrete core of SW. pier of bridge over Cedar Creek; chiseled square	874.23
Cedar Creek, under bridge; surface of water at 11 a. m. Jan. 9, 1936	853.5
Top of hill, 20 ft. S. of highway, in yard, in root on N. side of 20-in. post-oak tree; (mark not described)	984.1
Junction of rd. S., 30 ft. S. and 20 ft. E. from, in N. side of corner post; copper nail	942.36
Jerico Springs, 6.5 mi. E. of, along County Route B, cor. secs. 3, 4, 9, and 10, T. 33 N., R. 27 W., 32 ft. S. and 53 ft. W. from junction of rd. S., on property of Charles Maphies, in concrete post; standard tablet stamped "175 C W A 1934"	965.916
T. 33 N., R. 27 W., cor. secs. 2, 3, 10, and 11, 15 ft. S. and 24 ft. W. from County Route B at crossroad, on S. end of iron pipe culvert; (mark not described)	1,009.4
T. 33 N., R. 27 W., near NE. cor. sec. 11, 85 ft. W. of State Highway 39, 27 ft. S. of County Route B, in top of right-of-way post; (mark not described)	1,033.06

	<u>Feet</u>
Junction of rd. E., 10 ft. N. and 40 ft. E. from, on top of head wall of culvert; chiseled square	1,017.55
T. 33 N., R. 27 W., center sec. 12, 28 ft. N. and 12 ft. E. from T-rd. S., in concrete post; standard tablet stamped "129 C W A 1934"	1,036.606
Crossroads, 22 ft. S. and 30 ft. W. from, on top of boulder; chiseled square	1,041.23
T. 33 N., R. 26 W., in E 1/2 sec. 7, 18 ft. N. of rd. corner from W.-S., in SW. side of corner fence post; nail	1,024.09
T. 33 N., R. 26 W., W. sixteenth cor. between secs. 8 and 17, 7 ft. W. of T-rd. E., in root on NE. side of 26-in. black-oak tree; copper nail and washer	1,013.95
Crossroads, on top of SW. head wall of concrete culvert; chiseled square	858.47
T. 33 N., R. 26 W., in SW 1/4 sec. 9, 28 ft. N. and 640 ft. E. from crossroads, in concrete post; standard tablet stamped "130 C W A 1934"	886.250
Bridge, on SE. abutment; chiseled square	828.09
Top of hill, in schoolyard, on concrete base of flagpole; chiseled square	966.56
T-rd. W., 10 ft. N. and 12 ft. E. from, in S. side of telephone pole; nail	915.61
T. 33 N., R. 26 W., S. sixteenth cor. between secs. 9 and 10, 9 ft. S. and 15 ft. E. from rd. corner W.-S., in root on SW. side of 34-in. locust tree; copper nail and washer	886.82
T-rd. S., 25 ft. S. and 15 ft. W. from, in NE. side of corner fence post; nail	811.50
Sac River, above ford and below bridge under construction; surface of water at 11 a. m. Jan. 15, 1936	788.9
T. 33 N., R. 26 W., quarter cor. between secs. 10 and 11, 25 ft. W. of private rd., 40 ft. N. of rd., in root on S. side of 40-in. white-oak tree; copper nail and washer	818.36
(Continued in Fair Play quadrangle; see line 4.)	
5. FROM MONTEVALLO QUADRANGLE AT SEC. 3, T. 32 N., R. 28 W., NORTH INTO MONTEVALLO QUADRANGLE (by Cornish Beck in 1935)	
(Continued from Montevalló quadrangle; see line 3.)	
T. 32 N., R. 28 W., N. quarter cor. sec. 3, 51 ft. N. and 29 ft. W. from T-rd. E., in notch on S. fork of 18-in. cherry tree; copper nail and washer	991.64
(Continued in Montevalló quadrangle; see line 3.)	
6. FROM SEC. 35, T. 35 N., R. 26 W., EAST INTO FAIR PLAY QUADRANGLE AT SEC. 2, T. 34 N., R. 26 W. (by Cornish Beck in 1936)	
T. 35 N., R. 26 W., about 0.1 mi. E. of S. cor. secs. 35 and 36, 11 ft. N. and 27 ft. W. from crossroads, in S. side of corner fence post; nail	905.98
(Continued in Fair Play quadrangle; see line 6.)	
7. FROM GREENFIELD QUADRANGLE AT SEC. 14, T. 32 N., R. 28 W., EAST INTO FAIR PLAY QUADRANGLE AT SEC. 23, T. 32 N., R. 26 W. (by Cornish Beck in 1935)	
(Continued from Greenfield quadrangle; see line 5.)	
T. 32 N., R. 28 W., cor. secs. 14, 15, 22, and 23, on top of hill, 919 ft. S. and 20 ft. W. from crossroads, on property of Mrs. Rosa N. Coyne, 3 ft. W. of fence, in concrete post; standard tablet stamped "115 C W A 1934"	1,043.161
Bridge, on SW. corner of head wall; chiseled square	984.55
T. 32 N., R. 28 W., cor. secs. 13, 14, 23, and 24, 28 ft. S. and 85 ft. E. from crossroads, on head wall of culvert; chiseled square (as reset)	1,040.24
Neola, 4.3 mi. W. of, along County Route E, cor. secs. 13, 18, 19, and 24, T. 32 N., R. 27 and 28 W., 75 ft. S. and 175 ft. E. from junction of County Route A, in concrete post; standard tablet stamped "574 C W A 1934"	1,025.313
Neola, 3.3 mi. W. of, along County Route E, 50 ft. N. and 40 ft. W. from crossroad, in S. side of corner fence post; copper nail	1,014.31
Neola, 2.3 mi. W. of, along County Route E, 30 ft. S. and 83 ft. E. from crossroad, on top of concrete right-of-way post; chiseled cross	1,033.25
Neola, 1.3 mi. W. of, along County Route E, 27 ft. N. and 8 ft. E. from junction of rd. S., on top of concrete right-of-way post; chiseled cross	1,031.94
Bottom of hollow, on S. head wall of culvert; chiseled square	978.88
Top of hill, 27 ft. S. of rd., in root on NW. side of 26-in. black-oak tree; copper nail and washer	1,044.02
T-rd. S., 75 ft. S. and 12 ft. E. from, on top of concrete right-of-way post; chiseled cross	980.78
Neola, 0.4 mi. E. of cor. secs. 14, 15, 22, and 23, T. 32 N., R. 27 W., 37 ft. S. and 270 ft. W. from State Highway 39 at County Route E, in concrete post; standard tablet stamped "575 C W A 1934"	918.132
T. 32 N., R. 27 W., W. sixteenth cor. between secs. 13 and 24, 18 ft. S. and 21 ft. W. from T-rd. W., in root on NE. side of 16-in. walnut tree; copper nail and washer	929.22
T-rd. E., 10 ft. N. and 45 ft. E. from, in root on S. side of 10-in. water-oak tree; copper nail and washer	997.38
T. 32 N., R. 26 W., on line between secs. 18 and 19, 22 ft. (S.?) and 15 ft. E. from T-rd. W., in root on SW. side of 18-in. black-oak tree; nail and washer	1,012.89
T. 32 N., R. 26 W., on line between secs. 18 and 19, on NW. corner of bridge over Sons Creek; chiseled square	841.38

	<u>Feet</u>
T-rd. S., 14 ft. N. and 30 ft. E. from, in root on S. side of 24-in. oak tree; nail	892.75
T. 32 N., R. 26 W., about 0.4 mi. W. of cor. secs. 16, 17, 20, and 21, 19 ft. N. and 116 ft. W. from crossroads, 43 ft. NE. of NE. corner of school, in concrete post; standard tablet stamped "576 C W A 1934"	990.658
T-rd. S., 20 ft. S. and 16 ft. W. from, in W. side of fence post; nail	902.43
T. 32 N., R. 26 W., in N 1/2 sec. 21, about 60 ft. E. of Sac River, 1,000 ft. NW. of farmhouse, in fence corner, in root on NE. side of 28-in. post-oak tree; copper nail and washer	852.06
Rd. corner, 78 ft. S. and 24 ft. W. from, in yard, in root on E. side of 30-in. maple tree; nail	886.06
T. 32 N., R. 26 W., in NE 1/4 sec. 22, on top of ridge, about 475 ft. r. of junction of private rd. S., at curve to SE., 15 ft. E. of rd., in root on E. side of 18-in. black-oak tree; copper nail and washer	911.18
Bridge, on NW. wing wall; chiseled square	831.82
T-rd. W., 126 ft. N. and 18 ft. E. from, in S. side of 14-in. white-oak tree; nail	861.70
T. 32 N., R. 26 W., quarter cor. between secs. 14 and 23, 13 ft. S. and 4 ft. W. from iron pin, 13 ft. S. and 17 ft. W. from rd. corner W.-N., in concrete post; standard tablet stamped "577 C W A 1934"	975.665
Creek at fence crossing, 30 ft. E. of, in fence corner, in root on NW. side of 32-in. white-oak tree; nail	897.43
T-rd. E., 21 ft. S. and 15 ft. W. from, in root on W. side of 12-in. white-oak tree; nail	987.17
T. 32 N., R. 26 W., E. cor. secs. 14 and 23, 25 ft. S. and 18 ft. E. from crossroads, in N. side of corner fence post; nail	1,016.71

(Continued in Fair Play quadrangle; see line 5.)

## 8. FROM STOCKTON WEST TO SEC. 10, T. 34 N., R. 27 W., THENCE SOUTH TO SEC. 4, T. 33 N., R. 27 W. (by C. W. Williams in 1936)

Stockton, at E. side of courthouse, on top of N. end of bottom step; chiseled square	948.02
U.S.C. & G.S. standard disk stamped "D 24 1934"	968.007
T. 34 N., R. 26 W., E. sixteenth cor. sec. 7, 45 ft. S. and 68 ft. E. from State Highway 64 at County Route D and rd. S., on top of SE. corner of foundation of gasoline pump; chiseled square	1,009.93
T. 34 N., R. 26 W., W. quarter cor. sec. 7, 17 ft. S. and 79 ft. W. from junction of rd. N., on top of S. head wall of concrete culvert; chiseled square	936.93
State Highway 64 at rd. S., 35 ft. S. and 33 ft. E. from, in N. side of E. gatepost; nails	976.35
U.S.C. & G.S. standard disk stamped "E 24 1934"	921.248
T. 34 N., R. 27 W., near center sec. 11, on top of S. end of E. abutment of bridge over Polecat Creek; chiseled square	843.10
T. 34 N., R. 27 W., center sec. 10, 17 ft. N. and 100 ft. W. from T-rd. S., 110 ft. W. of fence corner, 2 ft. inside fence, in concrete post; standard tablet stamped "T 1145 W 1934"	926.875
Reference mark, 36 ft. S. and 39 ft. W. from T-rd. S., at fence corner, in root on W. side of 23-in. black-oak tree; copper nail and washer	926.96
Crossroads, 22 ft. S. and 50 ft. W. from, in root on E. side of 1-in. blackjack-oak tree; crossed nails	942.62
T-rd. E., 70 ft. S. and 30 ft. W. from, in root on SE. side of 8-in. post-oak tree; crossed nails	955.98
T. 34 N., R. 27 W., quarter cor. between secs. 15 and 22, 33 ft. N. and 25 ft. W. from T-rd. N., in root on SW. side of 26-in. black-oak tree; copper nail and washer	933.20
T. 34 N., R. 27 W., in NE 1/4 sec. 21, on top of wing wall at SW. corner of bridge over Snag Creek; chiseled square	843.77
T-rd. W., 60 ft. N. and 25 ft. E. from, in root on SW. side of 24-in. post-oak tree; crossed nails	967.68
T. 34 N., R. 27 W., quarter cor. between secs. 21 and 28, 60 ft. SW. of concrete porch of dwelling on property of A. B. Whistance, 20 ft. E. of rd., 35 ft. N. of fence corner, in concrete post; standard tablet stamped "T 1146 W 1934"	954.792
T-rd. E., 60 ft. S. and 12 ft. W. from, in root on SE. side of 10-in. post-oak tree; crossed nails	927.07
T. 34 N., R. 27 W., quarter cor. between secs. 27 and 28, 23 ft. S. and 55 ft. E. from crossroads, near schoolhouse, in root on SW. side of 30-in. oak tree; copper nail and washer	971.74
T. 34 N., R. 27 W., cor. secs. 27, 28, 33, and 34, 12 ft. N. and 10 ft. E. from T-rd. E., on top of S. end of E. head wall of concrete culvert; chiseled square	951.53
Small valley, on top of E. head wall of concrete culvert; chiseled square	902.04
T. 34 N., R. 27 W., S. cor. secs. 33 and 34, 20 ft. N. and 95 ft. E. from T-rd. N., in root on NW. side of 23-in. post-oak tree; copper nail and washer	928.36
T. 33 N., R. 27 W., N. quarter cor. sec. 4, 25 ft. S. and 67 ft. E. from T-rd. S., in root on NW. side of 11-in. cedar tree; copper nail and washer	970.42
T-rd. E., 10 ft. S. and 30 ft. E. from, in root on W. side of 14-in. oak tree; copper nail	964.11
T. 33 N., R. 27 W., near quarter cor. between secs. 4 and 9, 50 ft. N. and 10 ft. E. from County Route B at rd. N., in root on NE. side of 15-in. black-oak tree; copper nail and washer	951.81

9. FROM SEC. 10, T. 34 N., R. 27 W., NORTH INTO PLEASANT VIEW QUADRANGLE AT SEC. 3, T. 34 N., R. 27 W. (by C. W. Williams in 1936)

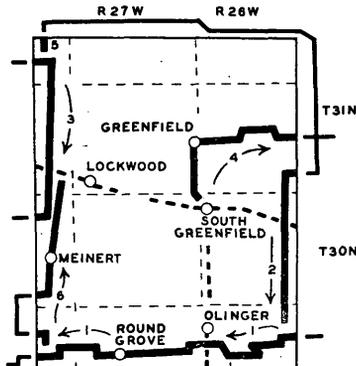
	<u>Feet</u>
T-rd. N., 43 ft. S. and 45 ft. E. from, in root on E. side of twin elm tree; nails	871.67
T. 34 N., R. 27 W., N. sixteenth cor. between secs. 9 and 10, 18 ft. N. and 20 ft. W. from T-rd. W., in root on W. side of 15-in. elm tree; copper nail and washer	907.01
Top of high knoll, near dwelling, 15 ft. W. of rd., on limestone rock at base of fence post at corner of chicken yard; chiseled square	888.17
Ford across Cedar Creek, on N. side of, in root on NW. side of twin elm tree; crossed nails	799.68
T. 34 N., R. 27 W., about 1.2 mi. N. of S. cor. secs. 3 and 4, 18 ft. N. and 11 ft. W. from State Highway 64 at crossroad, on W. end of iron pipe culvert; chiseled cross	831.11
T. 34 N., R. 27 W., about 0.8 mi. S. of N. cor. secs. 3 and 4, 150 ft. S. and 30 ft. E. from T-rd. W., 20 ft. S. of entrance to farm of Ed Albert, in concrete post; standard tablet stamped "T T 1147 W 1934"	884.744

(Continued in Pleasant View quadrangle; see line 8.)

For an additional level line along State Highway 64, refer to United States Coast and Geodetic Survey second-order line, Fair Play to Nevada.

GREENFIELD QUADRANGLE  
(Latitude 37°15'-37°30'; longitude 93°45'-94°00')

Dade and Lawrence Counties



1. FROM ASH GROVE QUADRANGLE AT SEC. 3, T. 29 N., R. 26 W., WEST BY WAY OF ROUND GROVE INTO GOLDEN CITY QUADRANGLE AT SEC. 5, T. 29 N., R. 28 W. (by F. L. Whaley in 1916-17)  
(Continued from Ash Grove quadrangle; see line 1.)

Stinton, 1.2 mi. N. of, in NE 1/4 sec. 3, T. 29 N., R. 26 W., NW. of crossroads, 20 ft. W. of property stone, on top of flint rock; chiseled square	1,037.00
Sycamore Creek, at ford; surface of water July 6, 1916	973.5
Olinger, 0.5 mi. S. and 4 mi. E. from, in NE 1/4 sec. 4, T. 29 N., R. 26 W., 12 ft. S. and 36 ft. W. from T-rd. W., at dwelling of F. M. Ruark; iron post stamped "1917 Mo 1118"	1,116.483
Reference mark, 60 ft. SE. of T-rd. W., in front yard of F. M. Ruark, in root of hickory tree; copper nail	1,114.91
Olinger, 0.5 mi. S. and 3 mi. E. from, in NE 1/4 sec. 5, T. 29 N., R. 26 W., NE. of junction of dim rd. N., in root of black-oak tree; copper nail	1,093.36
Olinger, 0.5 mi. S. and 1.8 mi. E. from, in sec. 6, T. 29 N., R. 26 W., 20 ft. W. of rd. forks, in root of hickory tree; copper nail	1,008.54
Olinger, 0.5 mi. S. and 0.8 mi. E. from, in NE 1/4 sec. 1, T. 29 N., R. 27 W., 40 ft. W. of T-rd. N., N. of rd., in root of 18-in. black-oak tree; copper nail and washer	1,145.75
Olinger, 0.5 mi. S. of, on line between secs. 1 and 2, T. 29 N., R. 27 W., NW. of crossroads, at school; iron post stamped "1917 Mo 1210"	1,208.342
Round Grove, 2.2 mi. E. of, in NW 1/4 sec. 3, T. 29 N., R. 27 W., 200 ft. W. of junction of rd. N., at wooden bridge over Walnut Hollow Creek, on SW. concrete wing wall; chiseled square	1,156.30
Round Grove, 1.4 mi. E. of, in sec. 4, T. 29 N., R. 27 W., 60 ft. NE. of crossroads, in front of dwelling of R. A. Hunt, in root of 12-in. walnut tree; copper nail	1,242.57

	<u>Feet</u>
Round Grove, in sec. 5, T. 29 N., R. 27 W., 200 ft. S. of store building, NE. of crossroads; iron post stamped "Prim Trav Sta No 6 1916 Mo 1268"	1,266.802
Round Grove, 1.2 mi. W. of, on line between secs. 1 and 6, T. 29 N., R. 27 and 28 W., 90 ft. NW. of crossroads, N. of rd., 2 ft. N. of fence, in root of soft-maple tree; copper nail	1,230.79
Round Grove, 2.2 mi. W. of, on line between secs. 1 and 2, T. 29 N., R. 28 W., SE. of crossroads, in base of telephone pole; copper nail	1,203.90
Round Grove, 3.2 mi. W. of, on line between secs. 2 and 3, T. 29 N., R. 28 W., SE. of crossroads, 2 ft. N. of fence corner, on top of sandstone boulder; chiseled square	1,222.35
Round Grove, about 3.2 mi. W. of, on line between secs. 2 and 3, T. 29 N., R. 28 W., 400 ft. S. of Deer Creek School, 9 ft. E. of T-rd. E.; iron post stamped "1917 Mo 1227"	1,225.741
Round Grove, about 0.5 mi. S. and 4 mi. W. from, 0.2 mi. E. of line between secs. 3 and 4, T. 29 N., R. 28 W., near crossroads, in SW. corner of Morris yard, in root of 12-in. soft-maple tree; copper nail	1,178.95
Salem Church, 300 ft. S. of, on line between secs. 4 and 5, T. 29 N., R. 28 W., NW. of crossroads; iron post stamped "Prim Trav Sta No 7 1916 Mo 1205"	1,203.966

(Continued in Golden City quadrangle; see line 1.)

2. FROM ASH GROVE QUADRANGLE AT SEC. 25, T. 31 N., R. 26 W., SOUTH TO SEC. 36, T. 30 N., R. 26 W. (by H. P. Jones in 1933)  
(Continued from Ash Grove quadrangle; see line 2.)

T. 31 N., R. 26 W., quarter cor. between secs. 25 and 26, 25 ft. N. and 20 ft. E. from crossroads at store, in root on E. side of 20-in. oak tree; copper nail and washer	1,065.21
T. 31 N., R. 26 W., cor. secs. 25, 26, 35, and 36, 40 ft. S. and 15 ft. E. from crossroads, in root on W. side of 18-in. oak tree; copper nail and washer	1,064.95
T. 31 N., R. 26 W., S. sixteenth cor. between secs. 35 and 36, 65 ft. S. and 20 ft. W. from T-rd. W., in root on E. side of 9-in. walnut tree; copper nail and washer	1,072.33
T. 30 N., R. 26 W., quarter cor. between secs. 1 and 2, 15 ft. N. and 15 ft. E. from T-rd. W., in root on W. side of 18-in. post-oak tree; copper nail and washer	1,073.25
T. 30 N., R. 26 W., cor. secs. 1, 2, 11, and 12, 49 ft. S. and 13 ft. W. from crossroads, in concrete post; standard tablet stamped "T 84 B 1933"	1,033.564
T. 30 N., R. 26 W., in SE 1/4 sec. 11, 85 ft. W. of St. Louis-San Francisco Ry. at rd. crossing, on concrete base of semaphore; chiseled square	947.17
T. 30 N., R. 26 W., cor. secs. 13, 14, 23, and 24, 15 ft. N. and 20 ft. E. from T-rd. E., in root on SW. side of 8-in. elm tree; copper nail and washer	1,045.16
T. 30 N., R. 26 W., cor. secs. 23, 24, 25, and 26, 13 ft. N. and 27 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T 85 B 1933"	1,115.554
T. 30 N., R. 26 W., in SW 1/4 sec. 25, 20 ft. N. and 65 ft. E. from rd. corner E.-S., in root on NW. side of 10-in. oak tree; copper nail and washer	1,063.77
T. 30 N., R. 26 W., in NE 1/4 sec. 35, at well in schoolyard, on NE. corner of concrete curb; chiseled square	970.54
Shiloh Methodist Church, 120 ft. N. and 66 ft. E. from NW. corner of, in SE 1/4 SW 1/4 sec. 36, T. 30 N., R. 26 W., 40 ft. N. of rd., 2 ft. W. of cemetery fence, in concrete post; standard tablet stamped "T T 86 B 1933"	979.540

3. FROM GOLDEN CITY QUADRANGLE AT SEC. 34, T. 32 N., R. 28 W., SOUTH AND WEST INTO GOLDEN CITY QUADRANGLE AT SEC. 3, T. 30 N., R. 28 W. (by C. N. Ackerman in 1935)  
(Continued from Golden City quadrangle; see line 2.)

T. 32 N., R. 28 W., cor. secs. 26, 27, 34, and 35, 0.2 mi. S. of crossroads, 35 ft. W. of rd., in NE. corner of front yard of C. O. Sorden, in concrete post; standard tablet stamped "114 C W A 1934"	1,019.536
T. 31 N., R. 28 W., near N. cor. secs. 2 and 3, 6 ft. N. and 27 ft. W. from T-rd. S., 6 ft. N. and 250 ft. E. from T-rd. N., on N. end of concrete culvert; chiseled square	1,028.19
T. 31 N., R. 28 W., cor. secs. 2, 3, 10, and 11, 18 ft. S. and 9 ft. W. from crossroads on W. head wall of concrete culvert; chiseled square	1,039.96
T. 31 N., R. 28 W., cor. secs. 10, 11, 14, and 15, 74 1/2 ft. S. and 25 ft. W. from crossroads, 6 ft. S. and 2 ft. E. from front yard gate of P. P. Hoag, in concrete post; standard tablet stamped "113 C W A 1934"	1,061.081
T. 31 N., R. 28 W., cor. secs. 14, 15, 22, and 23, 35 ft. S. and 80 ft. E. from dwelling, 20 ft. N. and 25 ft. W. from rd. at fence W. and hedge row E., in root on E. side of 10-in. elm tree; copper nail and washer	1,041.10
T. 31 N., R. 28 W., cor. secs. 22, 23, 26, and 27, 20 ft. S. and 9 ft. E. from crossroads, on top of E. head wall of concrete culvert; chiseled square	1,061.23
Lockwood, 2 mi. W. of, along U.S. Highway 160, cor. secs. 26, 27, 34, and 35, T. 31 N., R. 28 W., 42 ft. S. and 522 ft. W. from N.-S. crossroad, in NE. corner of front yard of Fred Eggerman, in concrete post; U.S.C. & G.S. and State Survey standard disk stamped "112 C W A 1934"	1,072.573
U.S.C. & G.S. standard disk stamped "Y 107 1935"	1,073.321

U.S.C. & G.S. standard disk stamped "D 126 1935" 942.820  
 Lockwood, 2 mi. W. of, along U.S. Highway 160, thence about 1 mi. S.,  
 cor. secs. 2, 3, 34, and 35, Tps. 30 and 31 N., R. 28 W., 20 ft. S.  
 and 47 ft. W. from T-rd. S., 20 ft. S. and 12 ft. W. from T-rd. N.,  
 in W. side of fence post; copper nail and washer Feet  
 1,114.98

(Continued in Golden City quadrangle; see line 3.)

4. FROM SOUTH GREENFIELD NORTH ALONG STATE HIGHWAY 39 TO GREENFIELD,  
 THENCE EAST ALONG U.S. HIGHWAY 160 INTO ASH GROVE QUADRANGLE  
 (by Cornish Beck in 1936)

U.S.C. & G.S. standard disk stamped "D 126 1935" 942.820  
 Greenfield, 2 mi. S. of, 221 ft. E. of W. point of junction of U.S.  
 Highway 160, 48 ft. W. of Highway 39 at hedge fence E., in concrete  
 post; standard tablet stamped "589 C W A 1934" 1,014.985  
 Greenfield, at S. limits of, 18 ft. N. and 22 ft. W. from St. Louis-San  
 Francisco Ry. spur track at crossing of highway, in telephone pole;  
 spike 1,103.90  
 Greenfield, in NW. part of, 31 ft. N. and 52 ft. E. from intersection  
 of Talburt Street E., on property of Alta Hickman, in concrete post;  
 standard tablet stamped "588 C W A 1934" 1,086.558  
 Crossroad, 30 ft. S. and 15 ft. W. from, on head wall of culvert; chiseled  
 square 1,095.36  
 Greenfield, about 0.9 mi. E. of, 40 ft. N. and 15 ft. E. from junction of  
 rd. N., in hedge telephone pole; copper nail and washer 1,097.05  
 Greenfield, 2 mi. E. of, 38 ft. S. and 32 ft. E. from junction of rd. S.,  
 in concrete post; standard tablet stamped "587 C W A 1934" 1,063.362  
 Junction of rd. N., 15 ft. E. of rd. N., 33 ft. W. of highway, on head  
 wall of culvert; chiseled square 1,006.59  
 Greenfield, 3 mi. E. of, 28 ft. S. of highway at top of hill, 95 ft. N.  
 and 36 ft. E. from NE. corner of dwelling of H. W. Lee, in root on  
 NW. side of 30-in. black-oak tree; copper nail and washer 1,037.84  
 Junction of rd. N., 21 ft. N. and 12 ft. E. from, on head wall of culvert;  
 chiseled square 984.59  
 Greenfield, 4 mi. E. of, 45 ft. N. and 1,000 ft. W. from W. end of bridge  
 over Turnback Creek, 30 ft. S. and 84 ft. W. from junction of rd. S.,  
 25 ft. N. of triangular-blazed tree, in concrete post; standard tablet  
 stamped "586 C W A 1934" 882.428  
 T. 31 N., R. 26 W., in sec. 14, at concrete bridge over Linn Branch, 7 ft.  
 S. of N. end of guardrail, on base; chiseled square 882.48  
 Junction of rd. S., 18 ft. S. and 24 ft. W. from, on head wall of culvert;  
 chiseled square 929.05

(Continued in Ash Grove quadrangle; see line 6.)

5. FROM SEC. 22, T. 32 N., R. 28 W., NORTH INTO STOCKTON QUADRANGLE  
 (by Cornish Beck in 1936)

T. 32 N., R. 28 W., cor. secs. 22, 23, 26, and 27, 15 ft. N. and 15 ft.  
 W. from dim T-rd. W., at fence corner, in S. side of fence post;  
 copper nail 1,013.36

(Continued in Stockton quadrangle; see line 7.)

6. FROM SEC. 5, T. 29 N., R. 28 W., NORTH TO ST. LOUIS-SAN FRANCISCO  
 RAILWAY AT POINT 2 MILES WEST OF LOCKWOOD (by A. R. Friend in  
 1936)

T-rd. E., in root of 8-in. wild-cherry tree; crossed nails 1,192.62  
 Rd. at private rd. E., at S. end of culvert, on top of rock; chiseled  
 square 1,156.58  
 T. 29 N., R. 28 W., N. cor. secs. 4 and 5, on Dade-Lawrence county line,  
 15 ft. N. and 42 ft. E. from T-rd. S., in root on SW. side of 18-in.  
 soft-maple tree; copper nail and washer 1,194.27

(For balance in Golden City quadrangle, see line 6.)

T. 30 N., R. 28 W., cor. secs. 26, 27, 34, and 35, 10 ft. S. and 15 ft.  
 W. from crossroads, on S. head wall of concrete culvert; chiseled  
 square 1,163.62  
 T. 30 N., R. 28 W., cor. secs. 22, 23, 26, and 27, 6 ft. N. and 20 ft.  
 E. from crossroads, on top of N. end of concrete culvert; chiseled  
 square 1,147.26  
 Meinert, cor. secs. 14, 15, 22, and 23, T. 30 N., R. 28 W., 20 ft. S. and  
 30 ft. W. from crossroads, in NE. corner of orchard, on top of concrete  
 base; chiseled square 1,137.80  
 Meinert, 0.2 mi. N. of, near S. sixteenth cor. between secs. 14 and 15,  
 T. 30 N., R. 28 W., 25 ft. W. of rd., 2 ft. S. of SE. corner of Zion  
 Lutheran Cemetery, in concrete post; standard tablet stamped "111  
 C W A 1934" 1,158.331  
 T. 30 N., R. 28 W., cor. secs. 10, 11, 14, and 15, 8 ft. N. and 22 ft.  
 E. from crossroads, on N. head wall of concrete culvert; chiseled  
 square 1,111.33

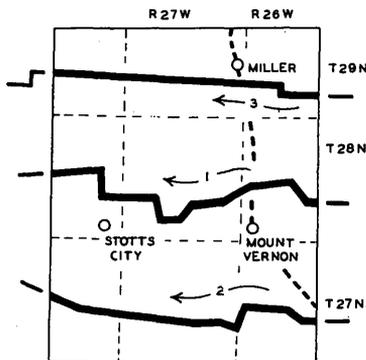
T. 30 N., R. 28 W., cor. secs. 2, 3, 10, and 11, 16 ft. N. and 12 ft. E. from crossroads, on top of N. end of concrete culvert; chiseled square

Feet  
1,123.71

For additional level lines along St. Louis-San Francisco Ry. and State Highway 39, refer to United States Coast and Geodetic Survey second-order lines, Cherokee, Kans. to Nichols, Mo. and Aurora to So. Greenfield.

STOTTS CITY QUADRANGLE  
(Latitude 37°00'-37°15'; longitude 93°45'-94°00')

Lawrence County



1. FROM HALLTOWN QUADRANGLE AT SEC. 23, T. 28 N., R. 26 W., WEST INTO SARCOXIE QUADRANGLE AT SEC. 16, T. 28 N., R. 28 W. (by G. P. Featherstun in 1909)  
(Continued from Halltown quadrangle; see line 3.)
 

T. 28 N., R. 26 W., near W. sixteenth cor. between secs. 15 and 22, 600 ft. W. of Summit Church, 20 ft. NW. of T-rd. N.; iron post stamped "Mo 1330" (reset 50 ft. E. of original position in Sept. 1938)	1,330.622
Mount Vernon, 1.8 mi. N. of, on line between secs. 18 and 19, T. 28 N., R. 26 W., 5 ft. S. and 15 ft. W. from T-rd. E.; iron post stamped "Prim Trav Sta No 3 1909 Mo"	1,263.365
Mount Vernon, 1 mi. N. and 0.9 mi. W. from, about 0.1 mi. E. of cor. secs. 23, 24, 25, and 26, T. 28 N., R. 27 W., N. of rd.; iron post stamped "Mo 1223"	1,220.493
Big Spring Church, in N 1/2 sec. 28, T. 28 N., R. 27 W., 50 ft. NE. of rd. forks, in root of tree; nail	1,113.56
Big Spring Church, 0.5 mi. NW. of, in NW 1/4 sec. 28, T. 28 N., R. 27 W., 0.2 mi. N. of junction of Spring River and Williams Creek, S. of rd.; iron post stamped "Mo 1103"	1,101.281
Stotts City, 1 mi. N. of, cor. secs. 23, 24, 25, and 26, T. 28 N., R. 28 W., 15 ft. N. and 40 ft. W. from crossroads; iron post stamped "Prim Trav Sta No 4 1909 Mo" (reset 23 ft. W. and 25 ft. N. of original position in Dec. 1933)	1,167.402
Stotts City, 2 mi. N. of, cor. secs. 13, 14, 23, and 24, T. 28 N., R. 28 W., 50 ft. SW. of T-rd. W., in root of tree; nail	1,110.34
Stotts City, 2 mi. N., thence 2 mi. W. from, 20 ft. SE. of cor. secs. 15, 16, 21, and 22, T. 28 N., R. 28 W.; iron post stamped "Mo 1078"	1,076.513

(Continued in Sarcoxie quadrangle; see line 2.)
  
2. FROM HALLTOWN QUADRANGLE AT SEC. 23, T. 27 N., R. 26 W., WEST INTO SARCOXIE QUADRANGLE AT SEC. 21, T. 27 N., R. 28 W. (by G. P. Featherstun in 1909)  
(Continued from Halltown quadrangle; see line 2.)
 

T. 27 N., R. 26 W., cor. secs. 22, 23, 26, and 27, at crossroads, on stone; chiseled cross	1,294.66
T. 27 N., R. 26 W., 10 ft. E. of cor. secs. 15, 16, 21, and 22; iron post stamped "Mo 1200"	1,197.812
Mount Vernon, about 4 mi. S. of, about 0.1 mi. E. of W. cor. secs. 18 and 19, T. 27 N., R. 26 W., 20 ft. N. of rd.; iron post stamped "Mo 1258"	1,256.115
Mount Vernon, 5.5 mi. S. of, in NW 1/4 sec. 30, T. 27 N., R. 26 W., W. of T-rd. E., near farm of Thomas Hillhouse; iron post stamped "Prim Trav Sta No 14 1909 Mo"	1,188.960
Mount Vernon, about 5 mi. S. and 1 mi. W. from, cor. secs. 23, 24, 25, and 26, T. 27 N., R. 27 W., on stone; (mark not described)	1,266.32

	<u>Feet</u>
Mount Vernon, 5 mi. S. and 3 mi. W. from, 30 ft. NE. of cor. secs. 21, 22, 27, and 28, T. 27 N., R. 27 W.; iron post stamped "Mo 1295"	1,292.990
Preistatt, 0.7 mi. N., thence 2 mi. W. from, 45 ft. N. and 35 ft. E. from T-rd. W. at E. cor. secs. 24 and 25, T. 27 N., R. 28 W., 15 ft. N. and 35 ft. E. from T-rd. E. at W. cor. secs. 19 and 30, T. 27 N., R. 27 W.; iron post stamped "Prim Trav Sta No 15 1909 Mo"	1,293.535
Clarkson, about 1.5 mi. E. of, 100 ft. W. of quarter cor. between secs. 15 and 22, T. 27 N., R. 28 W., in root of hickory tree; nail	1,289.92
Clarkson, 1 mi. E. of, 25 ft. SE. of cor. secs. 15, 16, 21, and 22, T. 27 N., R. 28 W.; iron post stamped "Mo 1256"	1,253.595

(Continued in Sarcoxie quadrangle; see line 1.)

3. FROM HALLTOWN QUADRANGLE AT SEC. 34, T. 29 N., R. 26 W., WEST INTO SARCOXIE QUADRANGLE AT SEC. 28, T. 29 N., R. 28 W. (by F. L. Whaley in 1916-17)

(Continued from Halltown quadrangle; see line 8.)

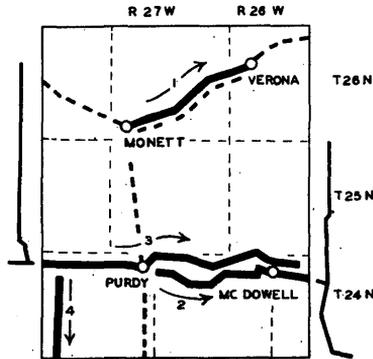
T. 29 N., R. 26 W., about 0.1 mi. W. of quarter cor. between secs. 27 and 34, 20 ft. NE. of T-rd. N., in base of telephone pole; copper nail	1,296.22
T. 29 N., R. 26 W., quarter cor. between secs. 28 and 33, SE. of crossroads, at fence corner, on concrete base of corner post; chiseled square	1,276.38
T. 29 N., R. 26 W., near N. sixteenth cor. sec. 28, 30 ft. N. and 18 ft. W. from T-rd. W.; iron post stamped "1917 Mo 1330"	1,328.516
Reference mark, 100 ft. W. of T-rd. W., S. of rd., in field, in root of elm tree; copper nail	1,328.21
T. 29 N., R. 26 W., about 0.1 mi. S. of quarter cor. between secs. 20 and 29, 300 ft. E. of curve in rd.; S. of rd., in root of 18-in. elm tree; copper nail	1,330.19
T. 29 N., R. 26 W., cor. secs. 19, 20, 29, and 30, N. of T-rd. S., in root of 12-in. black-oak tree; copper nail	1,298.59
T. 29 N., Rs. 26 and 27 W., cor. secs. 19, 24, 25, and 30; top of stone Miller, 1 mi. E. and 0.8 mi. S. from, E. sixteenth cor. between secs. 24 and 25, T. 29 N., Rs. 26 and 27 W., at N. end of culvert, on top of large sandstone rock in wall; chiseled square	1,264.6
Miller, 0.5 mi. S. of St. Louis-San Francisco Ry. sta., near S. sixteenth cor. between secs. 23 and 24, T. 29 N., R. 27 W., 50 ft. S. and 20 ft. E. from crossroads; iron post stamped "1917 Mo 1277"	1,235.17
Reference mark, 100 ft. E. of crossroads, S. of rd., in root of small cherry tree; copper nail	1,275.590
Miller, 0.8 mi. S., thence 1 mi. W. from, cor. secs. 22, 23, 26, and 27, T. 29 N., R. 27 W., at crossroads, on top of sandstone rock; chiseled circle	1,272.82
T. 29 N., R. 27 W., W. sixteenth cor. between secs. 22 and 27, 30 ft. N. of dim T-rd. N., in center of rd., on top of large flint rock; chiseled square	1,260.56
T. 29 N., R. 27 W., 170 ft. W. of cor. secs. 20, 21, 28, and 29, 20 ft. SW. of small branch, S. of rd., on top of large flint boulder; chiseled square	1,240.23
T. 29 N., R. 27 W., quarter cor. between secs. 20 and 29, 45 ft. S. and 14 ft. W. from crossroads; iron post stamped "1917 Mo 1252"	1,235.34
Reference mark, SW. of crossroads, at fence corner, on concrete base of fence post; chiseled square	1,250.193
T. 29 N., R. 27 W., cor. secs. 19, 20, 29, and 30, 20 ft. NW. of T-rd. N., on top of flint rock; chiseled square	1,249.14
T. 29 N., Rs. 27 and 28 W., cor. secs. 19, 24, 25, and 30, 30 ft. SE. of T-rd. S., in base of telephone pole; bolt	1,257.22
T. 29 N., R. 28 W., cor. secs. 23, 24, 25, and 26, 100 ft. N. of crossroads, E. of rd., in root of old apple tree; copper nail	1,260.08
T. 29 N., R. 28 W., cor. secs. 23, 24, 25, and 26, 23 ft. N. and 34 ft. E. from crossroads; iron post stamped "1917 Mo 1225" (as reset Dec. 1932)	1,222.66
T. 29 N., R. 28 W., cor. secs. 22, 23, 26, and 27, SW. of crossroads, at fence corner, in base of fence post; nail	1,224.208
Red Oak, 1.7 mi. S. and 1.8 mi. E. from, near W. sixteenth cor. between secs. 22 and 27, T. 29 N., R. 28 W., at Shaffer School, on S. end of concrete porch; chiseled square	1,174.23

(Continued in Sarcoxie quadrangle; see line 3.)

For an additional level line along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey second-order line, Aurora to So. Greenfield.

MONETT QUADRANGLE  
(Latitude 36°45'1"-37°00'; longitude 93°45'1"-94°00')

Barry and Lawrence Counties



1. FROM MONETT EAST ALONG ST. LOUIS-SAN FRANCISCO RAILWAY TO VERONA  
(by D. V. Vandiver in 1904-05)

	<u>Feet</u>
Monett, at NE. corner of Broadway and Third Street, at Commercial Bank, on Third Street side, under first window N. of corner, on stone foundation; chiseled square	1,300.266
Verona, opposite Farmers Bank, at SW. corner of brick building owned by William Spalding, in stone foundation; aluminum tablet stamped "1903 1273 Adj"	1,270.969

2. FROM PURDY EAST INTO ELSEY QUADRANGLE AT SEC. 9, T. 24 N.,  
R. 26 W. (by F. L. Whaley in 1923)

U.S.C. & G.S. B.M. designated "CX"	1,484.426
Purdy, W. of N. entrance to Baptist Church, on top of N. end of bottom concrete step; chiseled square	1,479.98
T. 24 N., R. 28 W., quarter cor. between secs. 1 and 12, NW. of crossroads, on top of W. end of concrete culvert; chiseled square	1,444.52
T. 24 N., R. 27 W., cor. secs. 5, 6, 7, and 8, at Purdy store, 70 ft. SW. of crossroads, in timbered lot, in root of hickory tree; copper nail and washer	1,445.40
T. 24 N., R. 27 W., in N 1/2 sec. 8, SW. of rd. corner, in root of 10-in. white-oak tree; copper nail and washer	1,452.74
T. 24 N., R. 27 W., on line between secs. 8 and 9, SW. of T-rd. S., inside field, 7 ft. W. of corner fence post, in concrete post; standard tablet stamped "W 1923"	1,339.579
Reference mark, 39 ft. W. of tablet, 45 ft. W. of T-rd. S., in fence line S. of rd., in root of old oak tree; copper nail and washer	1,340.55
T. 24 N., R. 27 W., in SE 1/4 sec. 9, SE. of rd. forks, about 50 ft. NE. of dwelling, S. of rd., in root of 10-in. black-oak tree; copper nail and washer	1,239.62
T. 24 N., R. 27 W., in E 1/2 sec. 10, 60 ft. W. of private rd. S., about 700 ft. E. of dwelling of E. Reynauld, in fence line S. of rd., in root of 18-in. walnut tree; copper nail and washer	1,203.65
T. 24 N., R. 27 W., in E 1/2 sec. 11, 200 ft. S. of dwelling of W. F. Hemphill, S. of rd., in field, in root of 36-in. elm tree; copper nail and washer	1,174.92
Cedar Bluff School, 0.5 mi. N. of, near center sec. 12, T. 24 N., R. 27 W., 40 ft. NW. of rd. junction, N. of rd. W., 1 ft. S. of fence, in concrete post; standard tablet stamped "W 1923"	1,155.554
Reference mark, 69 ft. S. 30° E. of tablet, on bank of creek, 30 ft. SE. of rd. junction, in root of water-oak tree; copper nail and washer	1,155.21
T. 24 N., R. 27 W., in SE 1/4 sec. 1, at Hemphill, N. of ford across creek, about 20 ft. N. of gate, in root of 14-in. walnut tree; copper nail and washer	1,148.19
T. 24 N., R. 26 W., about 800 ft. S. and 700 ft. W. from quarter cor. between secs. 6 and 7, 110 ft. N. of T-rd. W., at gatepost W. of rd., in root of old oak tree; copper nail and washer	1,134.37
T. 24 N., R. 26 W., cor. secs. 5, 6, 7, and 8, at T-rd. N., on large stone; highest point	1,141.22
T. 24 N., R. 26 W., near quarter cor. between secs. 8 and 9, 40 ft. S. of Star School, in yard, in root of 24-in. pin-oak tree; copper nail and washer	1,150.27

3. FROM RITCHEY QUADRANGLE EAST ALONG COUNTY ROUTE B TO PURDY,  
THENCE EAST ALONG COUNTY ROUTE C AND OTHER ROADS TO SEC. 5,  
T. 24 N., R. 26 W. (by R. W. Mattox in 1936)  
(Continued from Ritchey quadrangle; see line 3.)

	<u>Feet</u>
County Route B at crossroad, 55 ft. N. and 40 ft. E. from, in root on S. side of twin 24-in. oak tree; nails	1,356.04
Purdy, 3.2 mi. W. of, along County Route B, 15 ft. N. and 27 ft. W. from dwelling on property of J. E. Cole, in root on NW. side of 10-in. maple tree; copper nail and washer	1,405.18
Purdy, 2.5 mi. W. of, along County Route B, 30 ft. S. and 65 ft. E. from crossroad, at NW. corner of small grove of oak trees, in concrete post; standard tablet stamped "1367 E R A 1935"	1,431.248
Reference mark, 15 ft. S. and 40 ft. E. from tablet, in root on N. side of 10-in. oak tree; copper nail and washer	1,432.61
Purdy, 1.5 mi. W. of, along County Route B, 40 ft. S. and 55 ft. E. from crossroad, in root on N. side of 30-in. oak tree; copper nail and washer	1,413.95
Purdy, 0.5 mi. W. of, along County Route B, 150 ft. N. and 20 ft. W. from crossroad, in root on N. side of 6-in. wild-cherry tree; copper nail and washer	1,455.59
Purdy, 30 ft. S. and 30 ft. W. from junction of State Highway 37 and County Routes B and C, at NE. corner of England's lawn, in concrete post; standard tablet stamped "1368 E R A 1935"	1,480.831
Reference mark, 30 ft. S. and 250 ft. E. from tablet, in root on N. side of 20-in. oak tree; copper nail and washer	1,477.64
County Route C at crossroad, 50 ft. S. and 25 ft. E. from, opposite Purdy Cemetery, in pasture, in root on NW. side of 16-in. oak tree; nails	1,456.73
Purdy, 1.2 mi. E. of, along County Route C, 375 ft. E. of highway at crossroad, on N. head wall of concrete culvert; chiseled square	1,395.39
Purdy, 3 mi. E. of, along County Route C, 15 ft. N. and 24 ft. E. from junction of rd. N., at SW. corner of garden of Bill Smith, in concrete post; standard tablet stamped "1369 E R A 1935"	1,448.246
Reference mark, 70 ft. N. of tablet, in fence line, in root on S. side of 10-in. oak tree; copper nail and washer	1,448.10
Purdy, 5.2 mi. E. of, along County Route C, 150 ft. S. and 330 ft. E. from highway at fences S. and E., 27 ft. N. and 21 ft. E. from blazed 8-in. oak tree, 6 ft. S. and 36 ft. E. from blazed 10-in. oak tree, in concrete post; standard tablet stamped "1370 E R A 1935"	1,388.003
McDowell, 0.5 mi. S. and 1.5 mi. E. from, cor. secs. 5, 6, 7, and 8, T. 24 N., R. 26 W., 18 ft. N. and 24 ft. E. from T-rd. N., 30 ft. N. and 24 ft. E. from blazed 24-in. oak tree, in concrete post; standard tablet stamped "1371 E R A 1935"	1,143.817

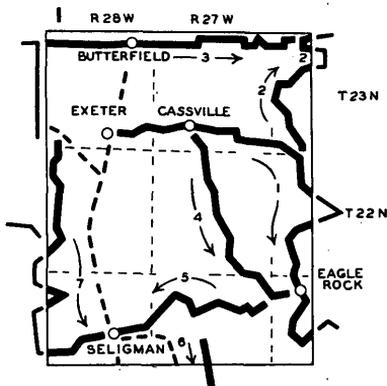
4. FROM COUNTY ROUTE B AT POINT 3.5 MILES WEST OF PURDY, SOUTH INTO  
CASSVILLE QUADRANGLE AT SEC. 31, T. 24 N., R. 28 W. (by R. W.  
Mattox in 1936)

Purdy, about 1 mi. S. and 3.5 mi. W. from, cor. secs. 7, 8, 17, and 18, T. 24 N., R. 28 W., 0.2 mi. N. and 0.8 mi. E. from Corsicana, 20 ft. S. and 35 ft. E. from T-rd. E., in root on NW. side of 30-in. oak tree; copper nail and washer	1,381.68
T-rd. W., 20 ft. N. and 100 ft. W. from, in root on E. side of 12-in. elm tree; nails	1,309.38
Purdy, 2 mi. S. and 3.5 mi. W. from, cor. secs. 17, 18, 19, and 20, T. 24 N., R. 28 W., 48 ft. S. and 21 ft. E. from crossroads, in NW. corner of yard of W. L. Decoog, in concrete post; standard tablet stamped "1372 E R A 1935"	1,376.784
Crossroads, 15 ff. S. and 15 ft. E. from, on top of concrete head wall of culvert; chiseled square	1,379.73
Butterfield, 2 mi. N. and 4 mi. W. from, along Butterfield-Corsicana rd., in SW. cor. sec. 20, T. 24 N., R. 28 W., 80 ft. N. and 20 ft. E. from N.-S. rd. at fence E., in root on W. side of 16-in. walnut tree; copper nail and washer	1,416.00
T-rd. E., 60 ft. S. and 40 ft. W. from, in root on E. side of 20-in. oak tree; nails	1,398.83
Butterfield, 1 mi. N. and 4 mi. W. from, along Butterfield-Corsicana rd., in NE 1/4 sec. 31, T. 24 N., R. 28 W., 30 ft. S. and 200 ft. W. from T-rd. N., in root on N. side of 20-in. oak tree; copper nail and washer	1,383.20

For additional level lines along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey first-order lines, Harrisonville to Monett; Monett, Mo. to Memphis, Tenn.; and Monett to Seligman.

CASSVILLE QUADRANGLE  
(Latitude 36°30'-36°45'; longitude 93°45'-94°00')

Barry County.



1. FROM EXETER EAST BY WAY OF CASSVILLE TO SEC. 4, T. 22 N., R. 26 W., THENCE SOUTH BY WAY OF EAGLE ROCK INTO SHELL KNOB QUADRANGLE AT SEC. 28, T. 21 N., R. 26 W. (by W. R. Broadus in 1923)

	Feet
U.S.C. & G.S. B.M. designated "CXI"	1,558.747
T. 23 N., R. 28 W., W. sixteenth cor. between secs. 26 and 35, 35 ft. N. and 30 ft. E. from T-rd. N., in root on W. side of 14-in. maple tree; copper nail and washer	1,532.02
T. 23 N., R. 28 W., cor. secs. 25, 26, 35, and 36, 30 ft. S. and 65 ft. E. from crossroads, 18 ft. NE. of dwelling, in root on N. side of 30-in. white-oak tree; copper nail and washer	1,479.25
Stoney Point School, 370 ft. N. of, quarter cor. secs. 25 and 36, T. 23 N., R. 28 W., 35 ft. N. and 50 ft. E. from crossroads, in root on SW. side of 24-in. hickory tree; copper nail and washer	1,462.34
Cassville, about 1.4 mi. W. of, in S 1/2 sec. 30, at rd. corner S.-E., 280 ft. NE. of dwelling, on top of E. head wall of concrete culvert; chiseled square	1,442.45
Cassville, at NW. side of courthouse, on SW. side of steps, in top of coping wall; standard tablet stamped "B 1923 Mo"	1,323.516
Reference mark, 28 ft. N. 20° W. of tablet, 3 ft. S. of walk, on top of curbing along NW. side of courthouse lawn; chiseled square	1,319.18
Cassville, about 1 mi. SE. of, quarter cor. between secs. 28 and 33, T. 23 N., R. 27 W., 340 ft. SE. of small dwelling, 15 ft. S. of rd., E. of private lane S., in root on N. side of 30-in. walnut tree; copper nail and washer	1,330.73
Cassville, 1.8 mi. SE. of, in NE 1/4 sec. 34, T. 23 N., R. 27 W., 95 ft. W. of junction of rd. NE. to Mineral Spring, on top of N. head wall of concrete culvert; chiseled square	1,359.84
T. 23 N., R. 27 W., quarter cor. between secs. 34 and 35, 40 ft. S. and 14 ft. E. from crossroads, 2 ft. inside of wire fence, in concrete post; standard tablet stamped "B 1923 Mo"	1,483.018
Reference mark, 18 ft. S. 10° W. of tablet, in root on NW. side of 12-in. sycamore tree; copper nail and washer	1,482.63
T. 23 N., R. 27 W., near center sec. 35, 280 ft. E. of T-rd. N., on top of N. head wall of concrete culvert; chiseled square	1,493.24
T. 23 N., R. 27 W., quarter cor. between secs. 35 and 36, 18 ft. S. and 6 ft. W. from T-rd. N., 80 ft. NE. of dwelling, in root on NE. side of 30-in. black-oak tree; copper nail and washer	1,520.72
T. 23 N., R. 27 W., near E. sixteenth cor. sec. 36, about 400 ft. SW. of dwelling on hillside, 250 ft. E. of point where rd. leaves hollow, on top of S. head wall of concrete culvert; chiseled square	1,486.06
Mineral Spring, 1 mi. SW. of, in SE 1/4 sec. 31, T. 23 N., R. 26 W., 25 ft. S. of crossroads, 4 ft. S. of fence corner, in concrete post; standard tablet stamped "B 1923 Mo"	1,359.666
Reference mark, 44 ft. S. 75° W. of tablet, in root on NE. side of 18-in. hickory tree; copper nail and washer	1,364.21
Mineral Spring, about 1.2 mi. S. of, in N 1/2 sec. 5, T. 22 N., R. 26 W., 70 ft. E. of dwelling of Ike Petty, 25 ft. N. of rd., in root on N. side of 10-in. black-oak tree; copper nail and washer	1,515.96
T. 22 N., R. 26 W., in NW 1/4 sec. 4, 20 ft. S. and 30 ft. E. from rd. forks, 100 ft. W. of NW. corner of dwelling of C. E. Peacock, 4 ft. E. of oak tree E. of gate, in fence corner, in concrete post; standard tablet stamped "Prim Trav Sta No 6 L S 1923 Mo"	1,510.801
Reference mark, 13 ft. N. 80° W. of tablet, in root on W. side of 18-in. black-oak tree; copper nail and washer	1,512.93
T. 22 N., R. 26 W., in NW 1/4 sec. 9, 5 ft. W. of rd. along top of ridge, in root on S. side of 30-in. white-oak tree; copper nail and washer	1,441.06

	<u>Feet</u>
Accident School, 120 ft. SW. of, in NE 1/4 NW 1/4 sec. 16, T. 22 N., R. 26 W., in Rock Creek Valley, 30 ft. N. of NW-SE. rd., in root on E. side of 24-in. white-oak tree; copper nail and washer	1,085.38
(For balance in Shell Knob quadrangle, see line 1.)	
Eagle Rock, 3.8 mi. N. of, in SE 1/4 sec. 20, T. 22 N., R. 26 W., 20 ft. W. of County Route P, 150 ft. N. of dim rd. E. at crossroad, in concrete post; standard tablet stamped "Prim Trav Sta No 7 L S 1923 Mo"(reset)	1,476.835
Reference mark, about 200 ft. S. and 110 ft. E. from tablet, in root on S. side of 18-in. black-oak tree; copper nail and washer	1,482.69
Eagle Rock, about 2.8 mi. N. of, in NW 1/4 SE 1/4 sec. 29, T. 22 N., R. 26 W., 220 ft. NW. of junction of abandoned section of rd. with new rd., 15 ft. E. of rd., in root on E. side of 18-in. white-oak tree; copper nail and washer	1,480.48
Eagle Rock, 1.8 mi. N. of, in SW 1/4 NW 1/4 sec. 33, T. 22 N., R. 26 W., in Wolf Pen Gap, 60 ft. NW. of rd. junction, in root on N. side of 6-in. ironwood tree; copper nail and washer (Reset 60 ft. S. of above described location. Given elevation is for new location.)	1,325.36
Eagle Rock, 1 mi. N. of, about 0.1 mi. S. of N. cor. secs. 4 and 5, T. 21 N., R. 26 W., at SE. corner of T-rd. E., 15 ft. inside fence, in root on W. side of 14-in. white-oak tree; copper nail and washer	1,139.01
Eagle Rock, at post office, 5 ft. W. of door, in concrete sidewalk; standard tablet stamped "Prim Trav Sta No 8 L S 1923 Mo"	931.155
Reference mark, 15 ft. S. of tablet, on SE. corner of concrete porch; chiseled square	931.22
Eagle Rock, 0.6 mi. SE. of, in S 1/2 sec. 9, T. 21 N., R. 26 W., at junction of rd. to Easy Ford, 120 ft. N. of rd. W., E. of N.-S. rd., in fence line, in root on W. side of 14-in. black-oak tree; copper nail and washer	1,108.80
Eagle Rock, 1.8 mi. S. of, center sec. 16, T. 21 N., R. 26 W., at NW. corner of T-rd. N., in fence line, in root on W. side of 24-in. black-oak tree; copper nail and washer	981.61
T. 21 N., R. 26 W., quarter cor. between secs. 16 and 17, 200 ft. S. of rd. corner E.-S., 25 ft. E. of T-rd. W., in line with rail fence N. of rd. W., in root on S. side of 18-in. white-oak tree; copper nail and washer	993.28
Mount Zion School, about 0.5 mi. E. of, cor. secs. 16, 17, 20, and 21, T. 21 N., R. 26 W., 800 ft. N. of dwelling of Charles Kirt, at crossroads, 220 ft. W. of rd. N., in line with rd. S., 9 ft. N. of E.-W. rd., in limestone ledge; standard tablet stamped "B 1923 Mo"	1,088.017
Reference mark, 12 ft. E. of tablet, on top of limestone ledge; chiseled square	1,087.80
T. 21 N., R. 26 W., in NE 1/4 NE 1/4 sec. 29, about 0.6 mi. N. of Ark.-Mo. State line, 25 ft. W. of rd. at sharp curve at crossing of small drain, in root on E. side of 14-in. black-oak tree; copper nail and washer	962.39
T. 21 N., R. 26 W., in sec. 28, on Ark.-Mo. State line, 310 ft. S. of junction of rd. W., 180 ft. SW. of dwelling of Leonard Turner, 12 ft. W. of rd., 3 ft. inside fence, in root on E. side of 18-in. white-oak tree; copper nail and washer	977.40
T. 21 N., R. 26 W., in sec. 28, on Ark.-Mo. State line, 550 ft. NE. of rd. along bluff on W. side of White River, 150 ft. S. of Haddock Creek, 22 ft. E. of rd., 18 ft. W. of wooden gate, in root on NW. side of 14-in. white-oak tree; nail and washer	908.84

(Continued in Shell Knob quadrangle, see line 2.)

2. FROM POINT ABOUT 0.2 MILE WEST OF MINERAL SPRING, NORTH INTO SHELL KNOB QUADRANGLE AT SEC. 33, T. 24 N., R. 26 W. (by F. L. Whaley in 1923)

Mineral Spring, about 0.2 mi. W. of, in SW 1/4 sec. 29, T. 23 N., R. 26 W., 150 ft. W. of T-rd. S., 75 ft. S. of church, S. of rd., in root of 14-in. white-oak tree; copper nail and washer	1,489.96
T. 23 N., R. 26 W., in W 1/2 sec. 29, 100 ft. NW. of T-rd. E., in root of 14-in. white-oak tree; copper nail and washer	1,510.05
T. 23 N., R. 26 W., quarter cor. between secs. 19 and 30, 40 ft. S. of T-rd. N., in root of 6-in. white-oak tree; copper nail and washer	1,519.34
Forest Grove School, near N. sixteenth cor. sec. 19, T. 23 N., R. 26 W., in top of NE. corner of concrete porch; standard tablet stamped "W 1923"	1,502.112
Reference mark, 107 ft. E. of tablet, in SE. corner of schoolyard, in root of 28-in. black-oak tree; copper nail and washer	1,499.66
Forest Grove School, about 0.5 mi. NE. of, near cor. secs. 17, 18, 19, and 20, T. 23 N., R. 26 W., at junction of dim rd., on top of S. end of concrete culvert; chiseled square	1,383.92
Forest Grove School, 1.5 mi. NE. of, near line between secs. 16 and 17, T. 23 N., R. 26 W., 70 ft. E. of junction of dim rd. SW., S. of rd., in root of 18-in. black-oak tree; copper nail and washer	1,242.94

(For balance in Shell Knob quadrangle, see line 6.)

T. 23 N., R. 26 W., in SW 1/4 sec. 4, 2.5 mi. NW. of Halley, at foot of hill, about 300 ft. N. of site of burned dwelling of O. O. Carr, in fence line W. of rd., in root of 24-in. white-oak tree; copper nail and washer	1,204.35
T. 23 N., R. 26 W., near N. cor. secs. 4 and 5, 0.5 mi. S. of dwelling of Richard Walter, W. of rd., in root of black-oak tree; copper nail and washer	1,476.06

T. 24 N., R. 26 W., in SW 1/4 sec. 33, 320 ft. S. of rd. forks, 100 ft. S. of dwelling of Richard Walters, E. of rd., in concrete post; standard tablet stamped "Prim Trav Sta No 4 L S 1923 Mo"	Foot 1,525.933
Reference mark, 143 ft. N. 10° W. of tablet, at SW. corner of rd. forks, 80 ft. NW. of dwelling of Richard Walters, in root on W. side of 14-in. oak tree; copper nail and washer	1,519.16

(Continued in Shell Knob quadrangle; see line 6.)

3. FROM MOUNTAIN QUADRANGLE AT SEC. 31, T. 24 N., R. 28 W., EAST BY WAY OF BUTTERFIELD TO SEC. 33, T. 24 N., R. 26 W. (by R. W. Mattox in 1935-36)

Butterfield, 4.4 mi. W. of, S. cor. secs. 31 and 32, T. 24 N., R. 28 W., 28 ft. N. and 22 ft. E. from T-rd. N., in corner of field, in concrete post; standard tablet stamped "T T 47 C 1934"	1,394.033
Tps. 23 and 24 N., R. 28 W., on line between secs. 5 and 32, 425 ft. E. of T-rd. N., 30 ft. N. of proposed rd., in root on S. side of 10-in. oak tree; crossed nails	1,445.75
Butterfield, 2.9 mi. W. of, approximate quarter cor. between secs. 4 and 33, Tps. 23 and 24 N., R. 28 W., 35 ft. S. and 12 ft. E. from T-rd. S., in root on N. side of 8-in. oak tree; copper nail and washer	1,447.53
Butterfield, 1.8 mi. W. of, E. sixteenth cor. on N. line sec. 3, T. 23 N., R. 28 W., 21 ft. S. and 24 ft. E. from crossroads, in corner of field, in concrete post; standard tablet stamped "T T 48 C 1934"	1,430.062
Tps. 23 and 24 N., R. 28 W., on line between secs. 2 and 35, 20 ft. S. and 20 ft. E. from crossroads, at base of 12-in. corner fence post; (mark not described)	1,461.1
Butterfield, 0.5 mi. W. of, cor. secs. 1, 2, 35, and 36, Tps. 23 and 24 N., R. 28 W., 27 ft. S. and 24 ft. W. from crossroads, on NE. corner of concrete curb of well; chiseled square	1,493.88
Butterfield, 50 ft. S. and 270 ft. E. from rd. at junction of street, in root on N. side of 20-in. sycamore tree; copper nail and washer	1,537.37
Butterfield, 1.4 mi. E. of, 550 ft. W. of N. cor. secs. 5 and 6, T. 23 N., R. 27 W., 16 ft. E. of drive to barnlot, 15 ft. S. of rd., at NW. corner of orchard, in concrete post; standard tablet stamped "T T 49 C 1934"	1,498.695
Butterfield, 2.6 mi. E. of, in NE 1/4 NE 1/4 sec. 5, T. 23 N., R. 27 W., 30 ft. S. and 30 ft. E. from T-rd. N., in root on NW. side of 16-in. oak tree; copper nail and washer	1,440.68
Top of hill overlooking Flat Creek, 30 ft. S. of rd., in root on N. side of twin 14-in. oak tree; crossed nails	1,399.15
Butterfield, 5 mi. E. of, in SW 1/4 SE 1/4 sec. 34, T. 24 N., R. 27 W., 42 ft. S. and 17 ft. E. from T-rd. E., in corner of field, in concrete post; standard tablet stamped "T T 50 C 1934"	1,224.685
Butterfield, 6.1 mi. E. of, in SW 1/4 SE 1/4 sec. 35, T. 24 N., R. 27 W., 300 ft. W. of dwelling, 60 ft. N. of rd., in root on S. side of 30-in. oak tree; copper nail and washer	1,430.28
Butterfield, 7.7 mi. E. of, in NE 1/4 SE 1/4 sec. 1, T. 23 N., R. 27 W., 20 ft. N. and 38 ft. W. from T-rd. NW., in concrete post; standard tablet stamped "T T 51 C 1934"	1,493.106
Butterfield, 8.9 mi. E. of, in S 1/2 sec. 31, T. 24 N., R. 26 W., 400 ft. S. of Cross Hollow Store, 50 ft. S. and 100 ft. W. from schoolhouse at rd. corner W.-N., in root on N. side of 12-in. oak tree; copper nail and washer	1,340.72
Butterfield, 10.5 mi. E. of, near quarter cor. between secs. 32 and 33, T. 24 N., R. 26 W., 45 ft. S. and 21 ft. E. from T-rd. S., in root on W. side of 12-in. oak tree; copper nail and washer	1,509.86
T. 24 N., R. 26 W., in SW 1/4 sec. 33, 320 ft. S. of rd. forks, 100 ft. S. of dwelling of Richard Walters, E. of rd., in concrete post; standard tablet stamped "Prim Trav Sta No 4 L S 1923 Mo"	1,525.933
Reference mark, 205 ft. N. of tablet, 150 ft. N. of dwelling of R. Walter, SW. of rd. forks, in root on W. side of 14-in. oak tree; copper nail and washer	1,514.66

4. FROM CASSVILLE SOUTHEAST ALONG STATE HIGHWAY 112 TO ROARING RIVER STATE PARK, THENCE SOUTHEAST AND EAST ALONG OTHER ROADS TO EAGLE ROCK (by R. W. Mattox in 1935-36)

Junction of rd. W., 35 ft. N. and 60 ft. W. from, in top of 24-in. corner fence post; crossed nails	1,328.72
Cassville, 1.2 mi. SE. of, 36 ft. E. of highway at turn from NW.-S., in root on NW. side of 24-in. oak tree; copper nail and washer	1,361.71
Cassville, 1.7 mi. SE. of, 105 ft. S. and 104 ft. E. from junction of State Highway 86, 24 ft. S. and 32 ft. W. from dwelling on property of Mrs. Jane Horner, in concrete post; standard tablet stamped "1 M 1936"	1,437.604
Reference mark, 70 ft. N. and 9 ft. W. from tablet, in root on N. side of 24-in. oak tree; copper nail and washer	1,433.20
Cassville, 2.7 mi. SE. of, 200 ft. S. of junction of rd. E., 25 ft. W. of highway, in root on E. side of 12-in. oak tree; copper nail and washer	1,462.12
Cassville, 3.7 mi. SE. of, 41 ft. N. and 21 ft. E. from junction of rd. W., 33 ft. N. and 30 ft. W. from dwelling, in root on W. side of 12-in. walnut tree; copper nail and washer	1,482
Cassville, 4.4 mi. SE. of, 92 ft. N. and 20 ft. W. from NW. corner of dwelling on property of F. M. Timmons, 32 ft. S. of highway, at NW. corner of yard, in concrete post; standard tablet stamped "2 M 1936"	1,493.627

	<u>Feet</u>
Reference mark, 131 ft. N. and 37 ft. E. from tablet, in root on S. side of 12-in. oak tree; copper nail and washer	1,490.91
Cassville, 6.9 mi. SE. of, at N. line of Roaring River State Park, 15 ft. S. and 40 ft. E. from cattle guard, in root on W. side of 12-in. oak tree; copper nail and washer	1,383.88
Cassville, 7.7 mi. SE. of, in Roaring River State Park, at junction of rd. N. to spring, 165 ft. S. and 85 ft. W. from W. wing wall of flume across Roaring River, 95 ft. E. of guardrail, in line with highway, 8 ft. W. of triangular-blazed 30-in. catalpa tree, in concrete post; standard tablet stamped "T T 31 C 1934"	1,033.177
Reference mark, 590 ft. S. of tablet, on top of wing wall at SE. corner of bridge T-421 1934; chiseled square	1,033.61
Cassville, about 8.2 mi. SE. of, on top of hill, 40 ft. E. of highway, in root on W. side of 24-in. oak tree; copper nail and washer	1,438.35
Eagle Rock, 6.6 mi. NW. of, near center sec. 35, T. 22 N., R. 27 W., 24 ft. N. and 60 ft. W. from junction of rd. N., in root on SE. side of 12-in. walnut tree; copper nail and washer	1,007.70
Eagle Rock, 5.1 mi. NW. of, in NW 1/4 SE 1/4 sec. 36, T. 22 N., R. 27 W., 2.7 mi. E. of State Highway 112, 24 ft. S. of T-rd. N., 6 ft. E. of triangular-blazed 8-in. cedar tree, in concrete post; standard tablet stamped "T T 30 C 1934"	1,026.588
Eagle Rock, 3.5 mi. W. of, in SE 1/4 SW 1/4 sec. 6, T. 21 N., R. 26 W., 29 ft. S. and 25 ft. W. from Munsey School, in root on SW. side of 24-in. oak tree; copper nail and washer	964.48
Eagle Rock, 2.4 mi. W. of, near center sec. 7, T. 21 N., R. 26 W., 47 ft. S. and 18 ft. W. from junction of rd. S. to Seligman, 124 ft. E. of large walnut tree, in concrete post; standard tablet stamped "T T 29 C 1934"	1,123.456
Reference mark, 48 ft. S. and 39 ft. E. from tablet, in root on W. side of 12-in. walnut tree; copper nail and washer	1,123.78
Eagle Rock, 1 mi. W. of, in SW 1/4 SE 1/4 sec. 5, T. 21 N., R. 26 W., on NE. corner of concrete paved ford across Roaring River; chiseled square	932.90
Eagle Rock, at post office, 5 ft. W. of door, in concrete sidewalk; standard tablet stamped "Prim Trav Sta No 8 L S 1923 Mo"	931.155
Reference mark, 45 ft. N. and 120 ft. E. from tablet, in root on W. side of 30-in. elm tree; copper nail and washer	925.49

5. FROM POINT 2.4 MILES WEST OF EAGLE ROCK, WEST ALONG ROADS AND MISSOURI AND NORTH ARKANSAS RAILWAY TO SELIGMAN  
(by R. W. Mattox in 1935-36)

Eagle Rock, 2.6 mi. W. of, in sec. 7, T. 21 N., R. 26 W., 21 ft. S. of T-rd. N., in root on N. side of 6-in. oak tree; crossed nails	1,183.61
Eagle Rock, 3.1 mi. SW. of, cor. secs. 7, 12, 13, and 18, T. 21 N., Rs. 26 and 27 W., 40 ft. N. and 18 ft. W. from T-rd. E., in root on E. side of 10-in. oak tree; copper nail and washer	1,203.84
Top of ridge, at prominent saddle, 20 ft. S. of rd., in root on N. side of 12-in. oak tree; crossed nails	1,444.78
Eagle Rock, 4.7 mi. SW. of, in SE 1/4 SW 1/4 sec. 13, T. 21 N., R. 27 W., 30 ft. N. and 30 ft. E. from T-rd. NE., in root on E. side of 12-in. oak tree; copper nail and washer	1,451.70
Eagle Rock, 5.6 mi. SW. of, in SW 1/4 SE 1/4 sec. 14, T. 21 N., R. 27 W., 30 ft. E. of rd. S. to Radium Springs, 25 ft. S. of rd. E., 160 ft. N. of fence E., in concrete post; standard tablet stamped "T T 32 C 1934"	1,482.159
Reference mark, 300 ft. N. and 50 ft. W. from tablet, W. of rd., in root on E. side of 14-in. oak tree; copper nail and washer	1,478.26
Eagle Rock, 5.8 mi. SW. of, in SW 1/4 sec. 14, T. 21 N., R. 27 W., 30 ft. N. and 20 ft. E. from T-rd. SW., in root on S. side of 10-in. oak tree; crossed nails	1,499.17
Eagle Rock, 6.7 mi. SW. of, in NW 1/4 SE 1/4 sec. 15, T. 21 N., R. 27 W., 20 ft. S. and 40 ft. W. from T-rd. SE., in root on W. side of 24-in. oak tree; copper nail and washer	1,331.20
Rd., 20 ft. N. of, 25 ft. N. and 40 ft. W. from blazed oak tree, in root on S. side of 16-in. oak tree; crossed nails	1,182.29
Seligman, 5.1 mi. E. of, in NE 1/4 SW 1/4 sec. 16, T. 21 N., R. 27 W., 61 ft. N. of R.R. at rd. crossing, 23 ft. E. of rd. NE. to Eagle Rock, in concrete post; standard tablet stamped "T T 34 C 1934"	1,115.594
Reference mark, 180 ft. S. and 70 ft. E. from tablet, 105 ft. S. and 55 ft. E. from T-rd. NE., in root on SW. side of twin 18-in. tree; copper nail and washer	1,116.64
Seligman, about 4 mi. E. of, W. of private rd. crossing, 25 ft. S. and 60 ft. W. from milepole 65.20, in fence line, in root on N. side of 14-in. walnut tree; crossed nails	1,151.16
U.S.C. & G.S. standard disk stamped "H 9 1930"	1,161.028
Seligman, 2.2 mi. E. of, in SE 1/4 NW 1/4 sec. 19, T. 21 N., R. 27 W., 15 ft. S. of main track, 122 ft. N. of rd., 143 ft. W. of water tank, 5 ft. E. of signpost marked "Fender", in concrete post; standard tablet stamped "T T 35 C 1934"	1,267.700
U.S.C. & G.S. B.M. designated "CX111"	1,540.466
Seligman, 100 ft. W. of State Highway 37, under S. side of St. Louis-San Francisco Ry. water tank, in concrete post; standard tablet stamped "T T 36 C 1934"	1,540.098

6. ON ARKANSAS-MISSOURI STATE LINE AT SEC. 26, T. 21 N., R. 27 W.  
(by R. W. Mattox in 1935-36)\*

U.S.C. & G.S. standard disk stamped "P 5 1930"	1,015.372
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\* In Eureka Springs No. 2 quadrangle, Arkansas.

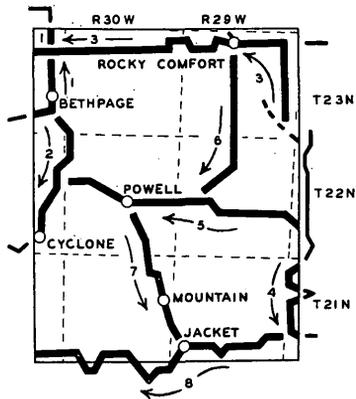
Eagle Rock, 8.6 mi. SW. of, near S. cor. secs. 26 and 27, T. 21 N., R. 27 W., on Ark.-Mo. State line, 0.2 mi. N. of Beaver-Seligman rd., along Radium Springs trail, 25 ft. E. of trail, in concrete post; standard tablet stamped "T T 33 C 1934"	<u>Feet</u> 1,126.281
7. FROM STATE HIGHWAY 44 (now State Highway 86) AT POINT 3.1 MILES WEST OF EXETER, SOUTH TO SEC. 30, T. 21 N., R. 28 W., THENCE EAST TO SELIGMAN (by R. W. Mattox in 1935-36)	
Exeter, 3.1 mi. W. of, in SE 1/4 NE 1/4 sec. 31, T. 23 N., R. 28 W., in top of S. side of E. abutment of Missouri and North Arkansas Ry. bridge over highway; standard tablet stamped "T T 44 C 1934"	1,494.764
T. 23 N., R. 28 W., near center sec. 32, in yard of Independence School, near Missouri and North Arkansas Ry. at rd. crossing, in root on S. side of 20-in. oak tree; crossed nails	1,509.24
T. 22 N., R. 28 W., in NW 1/4 sec. 5, N. of rd., in top of fence post; copper nail and washer	1,384.61
T. 22 N., R. 28 W., in NW 1/4 sec. 5, 100 ft. W. of T-rd. N., 50 ft. E. of small building over spring, in root on S. side of 12-in. oak tree; crossed nails	1,362.33
T. 22 N., R. 28 W., in SW 1/4 NE 1/4 sec. 6, 60 ft. E. of T-rd. S., N. of rd., in root on S. side of 24-in. oak tree; copper nail and washer	1,319.94
Top of ridge, 15 ft. W. of rd., in root on E. side of 36-in. oak tree; crossed nails	1,435.85
Washburn, 1 mi. W., thence 6.6 mi. N. from, 2.5 mi. S. of State Highway 44, (now State Highway 86), in NE 1/4 sec. 7, T. 22 N., R. 28 W., 18 ft. S. and 13 ft. E. from T-rd. SE., in concrete post; standard tablet stamped "T T 43 C 1934"	1,495.055
Junction of private rd. to dwelling, 30 ft. S. and 20 ft. W. from, in root on N. side of 36-in. oak tree; crossed nails	1,364.42
Washburn, 1 mi. W., thence about 5.3 mi. N. from, in NE 1/4 sec. 18, T. 22 N., R. 28 W., 40 ft. W. of rd., on E. bank of creek bed, in root on E. side of 18-in. oak tree; copper nail and washer	1,431.41
Top of ridge, 50 ft. W. of rd., in root on W. side of 16-in. oak tree; crossed nails	1,509.26
Washburn, 1 mi. W., thence about 4.4 mi. N. from, in S 1/2 sec. 17, T. 22 N., R. 28 W., 150 ft. N. of Twin Springs School, 125 ft. E. of dwelling, in fence line E. of rd., in root on W. side of 18-in. oak tree; copper nail and washer	1,584.07
T. 22 N., R. 28 W., in NE 1/4 sec. 20, at T-rd. N., on E. head wall of concrete culvert; chiseled square	1,564.26
Washburn, 1 mi. W., thence 3.2 mi. N. from, 23 ft. N. of stone at N. sixteenth cor. sec. 20, T. 22 N., R. 28 W., 25 ft. N. of T-rd. S., in corner of field, in concrete post; standard tablet stamped "T T 42 C 1934"	1,590.174
T. 22 N., R. 28 W., near quarter cor. between secs. 20 and 29, 300 ft. N. of T-rd. N., 45 ft. E. of rd., in root on W. side of 14-in. oak tree; crossed nails	1,558.20
Washburn, 1 mi. W., thence about 2 mi. N. from, in NW 1/4 NW 1/4 sec. 29, T. 22 N., R. 28 W., in fence line S. of rd., in root on NE. side of 16-in. oak tree; copper nail and washer	1,519.22
Junction of rd. W., 60 ft. E. of, 36 ft. E. of N.-S. rd., in root on W. side of 24-in. oak tree; crossed nails	1,540.77
Washburn, 1 mi. W., thence about 1.8 mi. N. from, in NE 1/4 NE 1/4 sec. 30, T. 22 N., R. 28 W., 325 ft. N. of saddle, 35 ft. S. of curve in rd. W., in root on N. side of 18-in. oak tree; copper nail and washer	1,463.79
Washburn, 1 mi. W., thence about 1.4 mi. N. from, in NE 1/4 SE 1/4 sec. 30, T. 22 N., R. 28 W., 60 ft. N. of T-rd. SW., in root on S. side of 24-in. oak tree; copper nail and washer	1,604.48
Washburn, 1 mi. W. of, in SE 1/4 SW 1/4 sec. 29, T. 22 N., R. 28 W., 30 ft. N. of T-rd. S., at edge of yard, in concrete post; standard tablet stamped "T T 41 C 1934"	1,429.118
T. 22 N., R. 28 W., in W 1/2 sec. 32, 300 ft. N. of ford, 20 ft. E. of rd., in root on W. side of 14-in. sycamore tree; crossed nails	1,387.42
Washburn, 1 mi. W., thence about 0.9 mi. SW. from, in NE 1/4 sec. 6, T. 21 N., R. 28 W., 60 ft. S. of T-rd. SE., in fence line SE. of rd., in root on N. side of 12-in. hickory tree; copper nail and washer	1,356.81
(For balance in Mountain quadrangle, see line 4.)	
T. 21 N., R. 28 W., in SE 1/4 SE 1/4 sec. 7, 55 ft. S. and 80 ft. W. from T-rd. W., in top of 10-in. fence post; copper nail and washer	1,293.53
(For balance in Mountain quadrangle, see line 4.)	
Draw running N. of E.-W. rd., 36 ft. E. of, in root on W. side of 10-in. walnut tree; crossed nails	1,255.87
Seligman, 2.4 mi. W. of, along Mayflower-Seligman rd., in NW 1/4 SW 1/4 sec. 21, T. 21 N., R. 28 W., 18 ft. N. and 24 ft. E. from NE. corner of bridge, 29 ft. N. of rd., 45 ft. S. and 12 ft. W. from SW. corner of Taylor dwelling, in concrete post; standard tablet stamped "T T 38 C 1934"	1,284.429
Rd., 30 ft. N. of, in root on W. side of 10-in. walnut tree; crossed nails	1,319.94
T. 21 N., R. 28 W., in NW 1/4 sec. 27 (?), 60 ft. S. and 30 ft. W. from T-rd. W., in root on W. side of 24-in. walnut tree; copper nail and washer	1,337.98

T-rd. W., 50 ft. N. of, 18 ft. E. of N.-S. rd., in root on S. side of 14-in. oak tree; crossed nails

Feet  
1,428.84

For additional level lines along St. Louis-San Francisco Ry. and Missouri and North Arkansas Ry., refer to United States Coast and Geodetic Survey first-order lines, Monett to Seligman; Seligman, Mo. to Ft. Smith, Ark.; Seligman, Mo. to Kensett, Ark.; and second-order line, Wayne to Neosho.

MOUNTAIN QUADRANGLE  
(Latitude  $36^{\circ}30' - 36^{\circ}45'$ ; longitude  $94^{\circ}00' - 94^{\circ}15'$ )  
Barry, McDonald, and Newton Counties



1. FROM NOEL QUADRANGLE ALONG STATE HIGHWAY 44 TO POINT 1 MILE SOUTH OF BETHPAGE, THENCE NORTH ALONG ROADS BY WAY OF BETHPAGE INTO RITCHEY QUADRANGLE AT SEC. 2, T. 23 N., R. 31 W. (by O. F. Hodgdon in 1935)  
(Continued from Noel quadrangle; see line 4.)

Bethpage, 1 mi. S. of, 145 ft. S. and 28 ft. E. from center of NE 1/4 sec. 35, T. 23 N., R. 31 W., 130 ft. S. and 28 ft. E. from curve in highway S.-W., 210 ft. S. and 180 ft. W. from dwelling on property of Dan Carter, in concrete post; standard tablet stamped "1312 C W A 1934"	1,225.448
Reference mark, 420 ft. N. and 295 ft. W. from tablet, 260 ft. N. and 100 ft. W. from junction of rd. N. to Bethpage, in root on SE. side of 20-in. hickory tree; copper nail and washer	1,223.07
Bethpage, 26 ft. N. and 48 ft. E. from rd. junction, in root on S. side of 26-in. hickory tree; copper nail and washer	1,159.59
Bethpage, about 0.7 mi. N. of, quarter cor. between secs. 23 and 24, T. 23 N., R. 31 W., 220 ft. N. and 22 ft. W. from T-rd. W., in root on SE. side of 18-in. red-oak tree; copper nail and washer	1,248.02
Bethpage, 1.2 mi. N. of, 38 ft. S. and 18 ft. E. from rd. at fence W. at cor. secs. 13, 14, 23, and 24, T. 23 N., R. 31 W., 10 ft. N. and 10 ft. W. (E. ?) from bleazed 48-in. chinquapin tree, in concrete post; standard tablet stamped "1313 C W A 1934"	1,182.065
Reference mark, 10 ft. S. and 10 ft. E. from tablet, in root on S. side of 48-in. chinquapin tree; copper nail and washer	1,183.40
Bethpage, about 2.2 mi. N. of, about 430 ft. S. of cor. secs. 11, 12, 13, and 14, T. 23 N., R. 31 W., 50 ft. W. of rd., in root on E. side of 26-in. white-oak tree; copper nail and washer	1,182.88
Bethpage, about 3.3 mi. N. of, 30 ft. S. and 20 ft. W. from cor. secs. 1, 2, 11, and 12, T. 23 N., R. 31 W., in root on E. side of 15-in. hickory tree; nail and washer	1,229.19
Bethpage, 3.8 mi. N. of, 870 ft. S. of rd. at fences E. and W. at quarter cor. between secs. 1 and 2, T. 23 N., R. 31 W., 890 ft. S. of T-rd. E., 2 ft. N. and 35 ft. E. from rd. at fence E., in concrete post; standard tablet stamped "1308 C W A 1934"	1,202.406
Reference mark, 275 ft. N. and 25 ft. W. from tablet, in root on NE. side of 13-in. red-oak tree; copper nail and washer	1,207.90

(Continued in Ritchey quadrangle; see line 1.)

2. FROM POINT 1 MILE SOUTH OF BETHPAGE EAST ALONG STATE HIGHWAY 44 TO SEC. 36, T. 23 N., R. 31 W., THENCE SOUTHWEST ALONG ROADS BY WAY OF CYCLONE INTO NOEL QUADRANGLE AT SEC. 23, T. 22 N., R. 31 W. (by O. F. Hodgdon in 1935-36)

	<u>Feet</u>
Highway at crossroad, 20 ft. S. of highway, 45 ft. E. of rd., in root on NW. side of 20-in. walnut tree; nail and washer	1,269.81
T. 23 N., R. 31 W., in SE 1/4 sec. 35, 50 ft. S. of highway, 10 ft. W. of rd. S., in root on NE. side of 10-in. walnut tree; spike	1,270.20
Junction of rd. N., 46 ft. S. and 8 ft. W. from, in root on NE. side of 18-in. post-oak tree; nail and washer	1,303.33
T. 23 N., R. 31 W., in SE 1/4 sec. 36, 28 ft. N. and 16 ft. W. from junction of Bethpage-Cyclone rd., in root on S. side of 12-in. white-oak tree; copper nail and washer	1,290.22
Bethpage-Cyclone rd. at rd. E., 10 ft. N. and 30 ft. E. from, in root on W. side of 18-in. red-oak tree; nail and washer	1,267.53
T. 22 N., R. 31 W., in SE 1/4 sec. 1, 20 ft. N. and 15 ft. W. from Bethpage-Cyclone rd. at rd. W., in root on S. side of 16-in. hickory tree; copper nail and washer	1,248.44
Bethpage-Cyclone rd. at rd. W., 20 ft. S. and 55 ft. W. from, in root on E. side of 18-in. white-oak tree; nail and washer	1,216.14
Bethpage-Cyclone rd. at rd. SE., 40 ft. S. of, in SW. side of 20-in. post-oak tree; nail and washer	1,223.99
T. 22 N., R. 31 W., S. sixteenth cor. sec. 12, 99 ft. N. and 6 ft. W. from stone, 3 mi. S. and 0.5 mi. E. from Bethpage, 97 ft. N. and 34 ft. E. from NE. corner of Fairview School, 52 ft. S. and 3 ft. W. from blazed 10-in. tree, in concrete post; standard tablet stamped "1311 C W A 1934"	1,198.052
Reference mark, 85 ft. S. and 220 ft. W. from tablet, 12 ft. N. and 157 ft. W. from NW. corner of Fairview School, in root on S. side of 24-in. white-oak tree; copper nail and washer	1,203.42
T. 22 N., R. 31 W., in NE 1/4 sec. 14, 80 ft. N. and 45 ft. W. from NW. corner of Mount Zion Church, in root on S. side of 16-in. hickory tree; copper nail and washer	1,156.47
Bethpage-Cyclone rd. at rd. SW., 50 ft. S. and 16 ft. W. from, in root on SE. side of 24-in. white-oak tree; nail and washer	1,023.47
T. 22 N., R. 31 W., near center sec. 14, on N. bank of Big Sugar Creek, 52 ft. N. and 97 ft. E. from McCullough ford, 25 ft. E. of Bethpage-Cyclone rd., in root on NW. side of 18-in. walnut tree; copper nail and washer	942.35
Cyclone, 0.8 mi. N. and 0.2 mi. E. from, in SE 1/4 sec. 14, T. 22 N., R. 31 W., 30 ft. N. and 260 ft. E. from T-rd. N., in concrete post; standard tablet stamped "1310 C W A 1934"	1,031.616

(Continued in Noel quadrangle; see line 7.)

3. FROM SEC. 24, T. 23 N., R. 29 W., NORTH TO SEC. 1, T. 23 N., R. 29 W., THENCE WEST BY WAY OF ROCKY COMFORT INTO NOEL QUADRANGLE AT SEC. 11, T. 23 N., R. 31 W. (by R. W. Mattox in 1935-36)

Ridgley, about 0.3 mi. SE. of, on Missouri and North Arkansas Ry., 650 ft. S. and 20 ft. W. from center of NE 1/4 sec. 24, T. 23 N., R. 29 W., 35 ft. S. of track, 40 ft. W. of N.-S. rd., 70 ft. N. of State Highway 44, in concrete post; standard tablet stamped "T T 45 C 1934"	1,481.368
Corner fence post, S. of rd., 30 ft. S. and 30 ft. E. from, in root on W. side of 18-in. oak tree; crossed nails	1,439.34
Shoal Creek Valley, at foot of hill, 750 ft. E. of concrete silo, in root on SE. side of 24-in. walnut tree; crossed nails	1,348.46
T. 23 N., R. 29 W., in NE 1/4 sec. 12, about 1.3 mi. E., thence 1.9 mi. NW. from Ridgley, 46 ft. E. of old State Highway 44, 59 ft. N. and 75 ft. W. from NW. corner of Oklahoma School, in concrete post; standard tablet stamped "T T 46 C 1934"	1,346.898
T. 23 N., R. 29 W., in SE 1/4 sec. 1, SW. of crossroads, in top of corner fence post; copper nail and washer	1,317.77
Old State Highway 44 at Shoal Creek, W. of ford, on concrete railing; chiseled square	1,296.36
T. 23 N., R. 29 W., in NW 1/4 sec. 1, W. of T-rd. N., in fence line, in root of 24-in. hickory tree; copper nail and washer	1,350.02
Rocky Comfort, 2.8 mi. E. of, along State Highway 44, 17 ft. N. and 100 ft. W. from Missouri and North Arkansas Ry. at rd. crossing, 17 ft. N. and 8 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "1304 C W A 1934"	1,406.832
U.S.C. & G.S. standard disk stamped "F 109.1935"	1,381.270
Junction of State Highways 44 and 97 (Highway 97 is now State Highway 86) and rd. S., 100 ft. E. of Highway 97, 54 ft. N. of Highway 44, in root on S. side of 24-in. oak tree; crossed nails	1,371.16
Rocky Comfort, 1.2 mi. E. of, along State Highway 44, 800 ft. W. of Barry-McDonald county line, on top of SE. wing wall of concrete bridge; chiseled square	1,331.25
Top of ridge, 750 ft. E. of church, 500 ft. E. of T-rd. E., 50 ft. S. of State Highway 44, in root on N. side of 18-in. elm tree; crossed nails	1,309.67
Rocky Comfort, 27 ft. S. and 73 ft. E. from crossroads, in NW. corner of yard of Rocky Comfort School, in concrete post; standard tablet stamped "1303 C W A 1934"	1,331.146
Rocky Comfort, 0.5 mi. W. of, in N 1/2 sec. 6, T. 23 N., R. 29 W., SW. of T-rd. S., in fence line, in root on NE. side of 10-in. oak tree; crossed nails	1,315.59

	<u>Feet</u>
Rocky Comfort, 1.2 mi. W. of, in NE 1/4 sec. 1, T. 23 N., R. 30 W., 25 ft. N. of rd., in root on S. side of 14-in. oak tree; copper nail and washer	1,272.40
Rocky Comfort, 1.5 mi. W. of, in NW 1/4 sec. 1, T. 23 N., R. 30 W., 300 ft. E. of T-rd. E., in fence line N. of rd., in root on S. side of 24-in. oak tree; copper nail and washer	1,236.76
Rocky Comfort, 1.8 mi. W. and 0.5 mi. S. from, 40 ft. S. and 40 ft. E. from W. sixteenth cor. between secs. 1 and 12, T. 23 N., R. 30 W., 220 ft. N. and 40 ft. E. from T-rd. W., 40 ft. N. and 40 ft. E. from rd. junction, in concrete post; standard tablet stamped "1305 C W A 1934"	1,211.943
Top of ridge, 100 ft. W. of T-rd. S., S. of rd., 5 ft. inside fence, in root on N. side of 14-in. walnut tree; crossed nails	1,255.94
Rocky Comfort, 2.5 mi. W. of, in SW 1/4 sec. 2, T. 23 N., R. 30 W., 75 ft. W. of T-rd. W., in fence line S. of rd., in root on W. side of 36-in. oak tree; copper nail and washer	1,211.62
Jog in E.-W. rd., 100 ft. W. of, in fence line N. of rd., in root on S. side of 24-in. oak tree; crossed nails	1,217.26
Rocky Comfort, 3.6 mi. W. of, near center sec. 3, T. 23 N., R. 30 W., midway between T-rd. E. and T-rd. W., E. of N.-S. rd., in root on W. side of 18-in. oak tree; copper nail and washer	1,214.25
Rocky Comfort, 4.2 mi. W. of, 370 ft. N. and 300 ft. E. from E. sixteenth cor. sec. 4, T. 23 N., R. 30 W., 80 ft. N. and 30 ft. W. from NW. corner of dwelling of L. F. Sappington, in concrete post; standard tablet stamped "1306 C W A 1934"	1,184.111
Foot of hill, 500 ft. E. of creek bed, 15 ft. S. of barn, in root on S. side of 20-in. oak tree; crossed nails	1,161.04
Rocky Comfort, 5.4 mi. W. of, E. sixteenth cor. sec. 5, T. 23 N., R. 30 W., 100 ft. S. of T-rd. E., 25 ft. W. of rd., in root on E. side of 16-in. hickory tree; copper nail and washer	1,227.12
T. 23 N., R. 30 W., on line between secs. 5 and 8, 500 ft. W. of T-rd. N., S. of rd., at base of large fence post; surface of ground	1,237.1
Stella, 1.5 mi. S. of, cor. secs. 5, 6, 7, and 8, T. 23 N., R. 30 W., 20 ft. S. and 40 ft. E. from crossroads, 50 ft. NW. of NW. corner of dwelling, in concrete post; standard tablet stamped "1307 C W A 1934"	1,281.621
Top of ridge, N. of E.-W. rd., 100 ft. N. of dwelling S. of rd., 5 ft. N. of fence line, in root on S. side of 30-in. oak tree; crossed nails	1,285.98
Stella, about 1.5 mi. S. and 0.8 mi. W. from, W. sixteenth cor. between secs. 6 and 7, T. 23 N., R. 30 W., 100 ft. S. of T-rd. E., 30 ft. W. of rd., in root on E. side of 12-in. walnut tree; copper nail and washer	1,281.36
T. 23 N., R. 31 W., in N 1/2 sec. 7, at T-rd. W., in schoolyard, in root on W. side of 24-in. oak tree; crossed nails	1,246.33
Stella, about 2.5 mi. S. and 1 mi. W. from, near E. quarter cor. sec. 12, T. 23 N., R. 31 W., at NW. corner of crossroads, in top of fence post; copper nail and washer	1,229.13
Stella, about 3.5 mi. S. and 1 mi. W. from, quarter cor. between secs. 11 and 12, T. 23 N., R. 31 W., 30 ft. N. and 50 ft. E. from crossroads, in wood pasture, 2 ft. inside fence, in root on W. side of 14-in. oak tree; copper nail and washer	1,230.22
T-rd. S., 30 ft. S. and 30 ft. E. from, in root on N. side of 10-in. post-oak tree; crossed nails	1,237.61

(Continued in Noel quadrangle; see line 6.)

4. FROM CASSVILLE QUADRANGLE AT SEC. 6, T. 21 N., R. 28 W., SOUTH INTO CASSVILLE QUADRANGLE AT SEC. 30, T. 21 N., R. 28 W.  
(by R. W. Mattox in 1935-36)

(Continued from Cassville quadrangle; see line 7.)

T. 21 N., R. 28 W., in N 1/2 sec. 6, 800 ft. N. of rd. forks, 115 ft. S. and 175 ft. E. from dwelling, 20 ft. S. of E.-W. fence line, in root on W. side of 14-in. walnut tree; crossed nails	1,302.00
T. 21 N., R. 28 W., in SW 1/4 sec. 6, 160 ft. W. of dwelling N. of rd., in fence line, in root on S. side of 16-in. oak tree; copper nail and washer	1,373.30
Rd. corner, 600 ft. S. of, 50 ft. W. of rd., in root on NE. side of 24-in. oak tree; crossed nails	1,415.00
T. 21 N., R. 28 W., in SE 1/4 sec. 7, 4.8 mi. W. of Seligman along rd. to Mayflower, thence 3.1 mi. N. along rd. to Washburn, 15 ft. S. and 27 ft. W. from T-rd. W., 45 ft. N. and 60 ft. W. from NW. corner of dwelling of J. S. Anderson, in concrete post; standard tablet stamped "T T 40 C 1934"	1,402.885
Ford across creek, 50 ft. N. of, 25 ft. S. of rd., in root on E. side of 16-in. oak tree; crossed nails	1,320.97

(For balance in Cassville quadrangle, see line 7.)

Fence line E. of rd., in root on S. side of 36-in. oak tree; crossed nails	1,262.56
T. 21 N., R. 28 W., in SE 1/4 sec. 18, 105 ft. N. and 60 ft. E. from T-rd. E.; 30 ft. E. of fence, in root on W. side of 18-in. oak tree; copper nail and washer	1,245.05
Ford across creek, W. of rd., 700 ft. N. of dwelling E. of rd., in root on NE. side of 12-in. sycamore tree; crossed nails	1,219.44
T. 21 N., Rs. 28 and 29 W., about 685 ft. S. of cor. secs. 19, 24, 25, and 30, 4.8 mi. W. of Seligman along rd. to Mayflower, at junction of rd. N. to Washburn, 50 ft. S. of NE-SW rd., 31 ft. E. of NW-SE rd., in corner of field, in concrete post; standard tablet stamped "T T 39 C 1934"	1,203.580

Ford across creek, 100 ft. E. of, 50 ft. S. and 60 ft. W. from dwelling at rd. corner, S. of rd., in root on W. side of 10-in. walnut tree; crossed nails	<u>Feet</u> 1,219.77
T. 21 N., R. 28 W., in NE 1/4 sec. 30, 66 ft. W. of T-rd. NW., 5 ft. N. of E-W. rd., in root on NW. side of 18-in. oak tree; copper nail and washer	1,236.58
(Continued in Cassville quadrangle; see line 7.)	
5. FROM CASSVILLE QUADRANGLE AT SEC. 30, T. 22 N., R. 28 W., WEST BY WAY OF POWELL TO SEC. 14, T. 22 N., R. 31 W., (by R. W. Mattox in 1935-36)	
Washburn, 3.5 mi. W. of, in S 1/2 sec. 24, T. 22 N., R. 29 W., 24 ft. N. and 124 ft. W. from T-rd. NW., in root on E. side of 14-in. oak tree; crossed nails	1,510.85
Curve in rd. to NE., 105 ft. W. of, 15 ft. N. of rd., in root on W. side of 12-in. oak tree; crossed nails	1,482.88
Washburn, 4.5 mi. W. of, along Powell-Washburn rd., in NW 1/4 sec. 26, T. 22 N., R. 29 W., 20 ft. S. and 80 ft. W. from rd. forks, in concrete post; standard tablet stamped "600 C W A 1934"	1,455.746
Powell-Washburn rd., 12 ft. N. of, in SE. side of 18-in. oak tree; crossed nails	1,459.02
Washburn, about 5.5 mi. W. of, along Powell-Washburn rd., in SW 1/4 sec. 22, T. 22 N., R. 29 W.; 50 ft. N. and 30 ft. E. from corner of open field, 18 ft. N. of rd., in root on S. side of 26-in. oak tree; copper nail and washer	1,302.93
Flag Spring, 132 ft. N. of, 36 ft. S. of rd., in root on S. side of 30-in. oak tree; crossed nails	1,236.26
Powell, 6.8 mi. E. of, along Powell-Washburn rd., in NW 1/4 sec. 21, T. 22 N., R. 29 W., 230 ft. N. of NW. corner of dwelling of H. E. Dishon, 18 ft. S. of rd., in concrete post; standard tablet stamped "599 C W A 1934"	1,196.076
Ford across Brush Creek, 500 ft. W. of, on N. bank of creek, 10 ft. N. of rd., in root on SE. side of 12-in. oak tree; crossed nails	1,146.94
Powell, about 5.7 mi. E. of, along Powell-Washburn rd., in SW 1/4 sec. 17, T. 22 N., R. 29 W., 120 ft. E. of dwelling on property of R. C. Davis, 15 ft. N. of rd., in root on S. side of 24-in. oak tree; copper nail and washer	1,141.53
Rd. corner from NE. to E., 35 ft. S. and 25 ft. E. from, at base of bluff, S. of gate to field, in root on N. side of twin 24-in. walnut trees; crossed nails	1,091.35
Powell, about 4.7 mi. E. of, along Powell-Washburn rd., N. sixteenth cor. sec. 18, T. 22 N., R. 29 W., 30 ft. N. of rd., at fence corner, in top of gatepost; copper nail and washer	1,066.36
Barn on property of M. A. Jones, 75 ft. W. of, 15 ft. W. of rd., in root on N. side of 20-in. oak tree; crossed nails	1,064.40
Powell, 3.5 mi. E. of, along Powell-Washburn rd., 170 ft. S. and 180 ft. W. from quarter cor. between secs. 12 and 13, T. 22 N., R. 30 W., 47 ft. S. and 16 ft. W. from rd. forks, in concrete post; standard tablet stamped "598 C W A 1934"	1,030.757
Powell, 2.5 mi. E. of, along Powell-Washburn rd., near center sec. 14, T. 22 N., R. 30 W., in Mike Creek Hollow, 50 ft. N. and 160 ft. E. from schoolhouse, 30 ft. S. of rd., in root on SW. side of 30-in. oak tree; copper nail and washer	1,017.09
Ford across Mike Creek, on E. end of S. side of concrete railing; chiseled square	1,001.98
Powell, 1.5 mi. E. of, along Powell-Washburn rd., near center sec. 15, T. 22 N., R. 30 W., in Mike Creek Hollow, 30 ft. S. of rd., in root on N. side of 18-in. walnut tree; copper nail and washer	998.61
T-rd. N., at junction of Mail and Mike Creek Hollows, in root on S. side of 20-in. oak tree; crossed nails	1,011.01
Powell, 580 ft. N. of quarter cor. between secs. 16 and 21, T. 22 N., R. 30 W., 240 ft. N. of T-rd. E., 43 ft. E. of County Route E, in concrete post; standard tablet stamped "597 C W A 1934"	997.907
Rd. corner, 500 ft. E. of church, 75 ft. S. and 50 ft. E. from dwelling, in root on S. side of 24-in. oak tree; crossed nails	990.56
Powell, about 1.1 mi. W. of, along Cyclone-Powell rd., near center sec. 17, T. 22 N., R. 30 W., at junction of old Granby rd. and rd. over hill, 15 ft. S. of rd., in root on N. side of 20-in. oak tree; copper nail and washer	986.13
Powell, about 2.2 mi. W. of, along Cyclone-Powell rd., near center sec. 18, T. 22 N., R. 30 W., near junction of Boons and Sugar Creek Hollows, 80 ft. W. of junction of rd. SE., 15 ft. S. of E-W. rd., in root on N. side of 20-in. walnut tree; copper nail and washer	959.85
Powell, about 3.3 mi. W. of, along Cyclone-Powell rd., near center sec. 13, T. 22 N., R. 31 W., 600 ft. W. of dwelling at junction of rd. S., 15 ft. S. of rd., in root on N. side of 18-in. oak tree; copper nail and washer	967.28
Dwelling, 500 ft. W. of, 15 ft. S. of rd., in root on NW. side of 24-in. oak tree; crossed nails	973.77

6. FROM ROCKY COMFORT SOUTH TO SEC. 12, T. 22 N., R. 30 W.  
(by R. W. Mattox in 1935-36)

	Feet
Rocky Comfort, 1.8 mi. S. of, cor. secs. 7, 8, 17, and 18, T. 23 N., R. 29 W., at curve in old State Highway 44, 50 ft. W. of N.-S. rd., in root on E. side of 12-in. oak tree; copper nail and washer	1,332.46
Rocky Comfort, 2.8 mi. S. of, cor. secs. 17, 18, 19, and 20, T. 23 N., R. 29 W., 640 ft. S. and 20 ft. W. from T-rd. W., 2 ft. W. of fence corner, in concrete post; standard tablet stamped "1302 C W A 1934"	1,377.826
Dwelling at head of draw, 50 ft. S. and 200 ft. E. from, near saddle, 20 ft. E. of rd., in root on W. side of twin 24-in. oak tree; crossed nails	1,328.51
Rocky Comfort, 3.8 mi. S. of, cor. secs. 19, 20, 29, and 30, T. 23 N., R. 29 W., on W. hub rail over center pier of concrete bridge; chiseled square	1,133.96
Rocky Comfort, 4.8 mi. S. of, 167 (107 ?) ft. S. and 266 ft. W. from iron pin at cor. secs. 29, 30, 31, and 32, T. 23 N., R. 29 W., 114 ft. N. and 20 ft. E. from T-rd. N., 70 (114 ?) ft. W. from small dwelling, in concrete post; standard tablet stamped "1301 C W A 1934"	1,102.117
Rocky Comfort, 6 mi. S. of, near center sec. 6, T. 22 N., R. 29 W., 35 ft. N. and 50 ft. W. from T-rd. E., in root on W. side of 14-in. sycamore tree; copper nail and washer	1,060.55

7. FROM POWELL SOUTHEAST BY WAY OF MOUNTAIN TO JACKET (by R. W. Mattox in 1935-36)

Powell, 0.8 mi. S. and 0.8 mi. W. (E. ?) from, in SW 1/4 sec. 22, T. 22 N., R. 30 W., at rd. corner, 20 ft. W. of rd., in root on S. side of 36-in. elm tree; copper nail and washer	995.14
Powell, 2.3 mi. SE. of, along Mountain-Powell rd., about 500 ft. E. of center sec. 27, T. 22 N., R. 30 W., 50 ft. S. and 110 ft. E. from rd. at fence S., 63 ft. N. and 40 ft. E. from NE. corner of barn on property of L. L. Roller, 65 ft. W. of blazed walnut tree, in concrete post; standard tablet stamped "596 C W A 1934"	1,029.763
Powell, about 3.2 mi. SE. of, along Mountain-Powell rd., in SW 1/4 sec. 26, T. 22 N., R. 30 W., 30 ft. N. of rd., in root on S. side of 16-in. oak tree; copper nail and washer	1,013.38
Powell, 4.5 mi. SE. of, along Mountain-Powell rd., in SE 1/4 sec. 35, T. 22 N., R. 30 W., SE. of school and two churches, 40 ft. S. of S. fence of Roller Cemetery, 2 ft. E. of fence along rd., in concrete post; standard tablet stamped "595 C W A 1934"	1,071.009
Mountain, about 1.8 mi. NW. of, along Mountain-Powell rd., in SW 1/4 sec. 1, T. 21 N., R. 30 W., 50 ft. S. and 20 ft. E. from rd. junction, in root on W. side of 16-in. oak tree; copper nail and washer	1,065.86
Mountain, 800 ft. E. of, 50 ft. S. and 410 ft. E. from iron pin at E. sixteenth cor. sec. 13, T. 21 N., R. 30 W., 75 ft. S. and 150 ft. E. from rd. forks, 16 ft. W. from triangular-blazed 12-in. walnut tree, in concrete post; standard tablet stamped "594 C W A 1934"	1,075.345
Junction of rd. W., 30 ft. N. of, in root on S. side of 20-in. walnut tree; crossed nails	1,091.35
Mountain, about 1.5 mi. S. of, along Jacket-Mountain rd., in NE 1/4 sec. 24, T. 21 N., R. 30 W., 50 ft. S. of junction of rd. E., in root on W. side of 10-in. oak tree; copper nail and washer	1,113.31
Junction of rd. E., 20 ft. E. of, in root on W. side of 14-in. oak tree; crossed nails	1,216.86
Jacket, 235 ft. S. and 275 ft. E. from iron pin at E. sixteenth cor. sec. 30, T. 21 N., R. 29 W., 90 ft. N. of rd. forks, in concrete post; standard tablet stamped "593 C W A 1934"	1,122.015

8. FROM SEC. 25, T. 21 N., R. 29 W., WEST BY WAY OF JACKET INTO NOEL QUADRANGLE AT SEC. 25, T. 21 N., R. 31 W., INCLUDING THAT PART OF THE LINE IN FAYETTEVILLE NO. 1 QUADRANGLE, ARKANSAS (by R. W. Mattox in 1935-36)

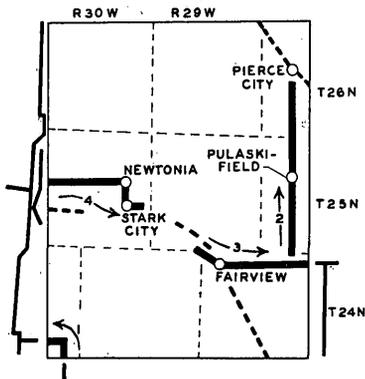
T. 21 N., R. 29 W., in S 1/2 sec. 25, 20 ft. S. and 100 ft. W. from junction of Elkhorn-Mayflower-Seligman rds., in root on W. side of 10-in. walnut tree; copper nail and washer	1,192.36
T. 21 N., R. 29 W., in NW 1/4 sec. 26, 7.3 mi. W. of Seligman along rd. to Mayflower, 25 ft. W. of rd., 68 ft. S. and 38 ft. W. from SE. corner of Maple Grove School, between large sycamore and walnut trees, in concrete post; standard tablet stamped "T T 52 C W A 1934"	1,158.007
T. 21 N., R. 29 W., in N 1/2 sec. 27, 20 ft. N. and 50 ft. E. from T-rd. N., 200 ft. S. of Mayflower Store, in root on SW. side of 16-in. oak tree; crossed nails	1,177.00
Jacket, 2.7 mi. E. of, along Jacket-Mayflower rd., in SE 1/4 sec. 28, T. 21 N., R. 29 W., 30 ft. S. and 21 ft. W. (E. ?) from rd. junction, in concrete post; standard tablet stamped "592 C W A 1934"	1,152.657
Seligman, 9.7 mi. W. of, along Mayflower-Seligman rd., on Ark.-Mo. State line, 20 ft. E. of rd., 2 ft. S. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "T T 53 C W A 1934"	1,193.391
Jacket, 1 mi. S. and 1 mi. E. from, S. cor. secs. 31 and 32, T. 21 N., R. 29 W., on Ark.-Mo. State line, 20 ft. N. of Sugar Creek, in root on N. side of 36-in. elm tree; copper nail and washer	1,116.87
T-rd. E., 20 ft. N. of Ark.-Mo. State line, in root on NE. side of twin 36-in. elm tree; crossed nails	1,116.48
Pea Ridge, Ark., 2 mi. N. of, 75 ft. S. and 500 ft. W. from cor. secs. 13, 18, 19, and 24, T. 21 N., R. 29 and 30 W., 90 ft. S. of T-rd. SE., 10 ft. W. of rd. SE., in root on E. side of 40-in. elm tree; copper nail and washer	1,142.35

Pea Ridge, Ark., 2 mi. N. and 1 mi. W. from, 240 ft. N. and 33 ft. E. from rd. at fences E. and W. at center of NW 1/4 sec. 24, T. 21 N., R. 30 W., 6 ft. S. and 33 ft. E. from T-rd. S., 10 ft. N. and 9 ft. E. from blazed elm tree, in concrete post; standard tablet stamped "1314 C W A 1934"	Feet 1,202.088
Pea Ridge, Ark., 1.5 mi. N. and 1.8 mi. W. from, near center sec. 23, T. 21 N., R. 30 W., 100 ft. N. and 100 ft. E. from Shady Grove School, 80 ft. E. of T-rd. W., in root on W. side of 16-in. silver-maple tree; copper nail and washer	1,297.26
Pea Ridge, Ark., 1.8 mi. N. and 2.8 mi. W. from, in NW 1/4 sec. 22, T. 21 N., R. 30 W., 665 ft. N. of T-rd. E., 30 ft. W. of rd., in root on E. side of 10-in. hickory tree; copper nail and washer	1,389.78
Pea Ridge, Ark., 2 mi. N. and 2.8 mi. W. from, 300 ft. S. and 25 ft. W. from W. sixteenth cor. between secs. 15 and 22, T. 21 N., R. 30 W., 50 ft. S. and 120 ft. E. from SE. corner of dwelling on property of E. E. Gatlin, W. of rd., in concrete post; standard tablet stamped "1318 C W A 1934"	1,392.790
T-rd. W., 40 ft. E. of, in root on W. side of 24-in. oak tree; crossed nails	1,344.34
Pea Ridge, Ark., 3.5 mi. N. and 3.8 mi. W. from, near quarter cor. between secs. 28 and 33, T. 21 N., R. 30 W., 30 ft. W. of T-rd. W., in root on E. side of 20-in. oak tree; copper nail and washer	1,409.36
Bella Vista, Ark., 4.2 mi. N. and 0.8 mi. E. from, in NE 1/4 sec. 18, T. 21 N., R. 30 W., 10 ft. N. and 33 ft. W. from T-rd. W., 10 ft. N. and 2 ft. W. from rd. at fence N., 140 ft. S. of small dwelling on property of C. M. Goodnight, in concrete post; standard tablet stamped "1319 C W A 1934"	1,188.131
Crossroads, 30 ft. N. and 20 ft. E. from White Rock School, in root on NE. side of 16-in. oak tree; crossed nails	1,034.95
Caverna, 2 mi. E. of, 15 ft. S. and 120 ft. E. from rd. at fence N. at N. sixteenth cor. sec. 36, T. 21 N., R. 31 W., 100 ft. N. and 60 ft. W. from NW. corner of dwelling on property of F. A. Houx, 5 1/2 ft. S. and 9 ft. E. from blazed oak tree, in concrete post; standard tablet stamped "1321 C W A 1934"	1,017.747
Caverna, 0.2 mi. N. and 0.8 mi. E. from, in NE 1/4 sec. 35, T. 21 N., R. 31 W., 30 ft. E. of rd. corner, in root on NE. side of 10-in. walnut tree; copper nail and washer	986.91

For an additional level line along Missouri and North Arkansas Ry., refer to United States Coast and Geodetic Survey second-order line, Wayne to Neosho.

RITCHEY QUADRANGLE  
(Latitude 36°45'-37°00'; longitude 94°00'-94°15')

Barry, Lawrence, McDonald, and Newton Counties



- FROM MOUNTAIN QUADRANGLE AT SEC. 2, T. 23 N., R. 31 W., NORTH AND WEST ABOUT 1 MILE INTO NEOSHO QUADRANGLE AT SEC. 35, T. 24 N., R. 31 W. (by O. F. Hodgdon in 1935)  
(Continued from Mountain quadrangle; see line 1.)

T. 23 N., R. 31 W., near N. cor. secs. 1 and 2, 172 ft. S. of rd. on McDonald-Newton county line, 65 ft. E. of N.-S. rd., on top of SW. corner of concrete water trough; chiseled square	1,176.62
T. 24 N., R. 31 W., near quarter cor. between secs. 35 and 36, 17 ft. N. and 41 ft. E. from crossroads, on top of SW. corner of concrete foundation of well; chiseled square	1,268.31

(Continued in Neosho quadrangle; see line 8.)

2. FROM POINT 3 MILES SOUTH OF PULASKIFIELD (Brassfield ?) NORTH ALONG COUNTY ROUTES E AND D (now State Highway 97) TO PIERCE CITY (by R. W. Mattox in 1936)	
Pulaskifield, 3 mi. S. of, 15 ft. N. and 60 ft. E. from crossroad, in fence line, in root on N. side of 12-in. oak tree; copper nail and washer	<u>Feet</u> 1,354.09
Pulaskifield, 2 mi. S. of, 280 ft. N. and 20 ft. W. from junction of rd. E., in root on N. side of 12-in. walnut tree; copper nail and washer	1,294.11
Pulaskifield, 1 mi. S. of, 20 ft. S. and 135 ft. W. from crossroad, in root on W. side of 6-in. sassafras tree; copper nail and washer	1,328.60
Pulaskifield, 0.2 mi. S. of, 820 ft. N. and 35 ft. W. from highway at fences E. and W., 65 ft. S. and 80 ft. E. from SE. corner of dwelling, 2 ft. E. of fence corner, in concrete post; standard tablet stamped "1373 E R A 1935"	1,229.534
Pulaskifield, at S. limits of, 10 ft. S. and 18 ft. E. from crossroad, on S. head wall of culvert; chiseled square	1,265.56
Pulaskifield, 0.8 mi. N. of, 200 ft. N. of curve in highway, on top of E. head wall of concrete culvert; chiseled square	1,210.13
Top of hill, 40 ft. W. of schoolhouse, 20 ft. E. of highway, in root on E. side of 6-in. oak tree; crossed nails	1,292.16
Pulaskifield, 1.5 mi. N. of, 20 ft. S. and 75 ft. E. from crossroad, in root on N. side of 18-in. oak tree; copper nail and washer	1,296.94
Pulaskifield, 2 mi. N. of, 15 ft. S. and 15 ft. W. from junction of rd. W., on top of S. head wall of culvert; chiseled square	1,287.45
Monett, 4.5 mi. W. of, 50 ft. N. and 50 ft. E. from junction of State Highway 60, 2 ft. N. of fence, in concrete post; standard tablet stamped "1374 E R A 1935"	1,295.848
Reference mark, 185 ft. N. and 35 ft. W. from tablet, on top of E. head wall of concrete culvert; chiseled square	1,297.93
Pierce City, 1 mi. S. of, 15 ft. S. and 15 ft. W. from crossroad, on top of S. head wall of culvert; chiseled square	1,244.02
Pierce City, in S. part of, 50 ft. S. and 50 ft. W. from highway at S. rail of St. Louis-San Francisco Ry. sidetrack, 140 ft. E. of concrete pier of tank of Standard Oil Company, in concrete post; standard tablet stamped "1375 E R A 1935"	1,194.844
3. FROM POINT 2 MILES NORTHWEST OF FAIRVIEW EAST ALONG STATE HIGHWAY 97 (now State Highway 86) TO JUNCTION OF COUNTY ROUTE B (now State Highway 97), THENCE EAST ALONG STATE HIGHWAY 97 TO JUNCTION OF COUNTY ROUTE E (now State Highway 97) AND COUNTY ROUTE B, THENCE EAST ALONG COUNTY ROUTE B INTO MONETT QUADRANGLE (by R. W. Mattox in 1936)	
U.S.C. & G.S. standard disk stamped "B. 109 1934"	1,246.408
Fairview, about 2.4 mi. NW. of, 60 ft. S. and 70 ft. W. from crossroad, 84 ft. N. and 70 ft. W. from Missouri and North Arkansas Ry. at rd. crossing, in concrete post; standard tablet stamped "1363 E R A 1935"	1,257.044
U.S.C. & G.S. standard disk stamped "C 109 1935"	1,288.534
Fairview, in NW. part of, 24 ft. S. and 30 ft. E. from junction of rd. W., 70 ft. S. and 30 ft. E. from crossroad, in concrete post; standard tablet stamped "1364 E R A 1935"	1,280.302
Reference mark, 70 ft. E. of tablet, in root on N. side of 40-in. elm tree; copper nail and washer	1,281.02
Fairview, 1.5 mi. E. of, 80 ft. N. and 25 ft. E. from crossroad, in root on SW. side of 30-in. wild-cherry tree; copper nail and washer	1,304.04
Fairview, 1.8 mi. E. of, 40 ft. S. and 330 ft. E. from highway at fences N. and S., about 700 ft. W. of junction of County Route B (now State Highway 97), 20 ft. W. of farm entrance, in concrete post; standard tablet stamped "1365 E R A 1935"	1,296.526
Reference mark, 90 ft. W. of tablet, in root on E. side of 14-in. hickory tree; copper nail and washer	1,297.96
Junction of County Route T, 20 ft. S. of, on top of head wall of concrete culvert; chiseled square	1,247.08
Shoal Creek; surface of water at 9 a. m. May 22, 1936	1,195.7
Purdy, 6.5 mi. W. of, 35 ft. S. and 35 ft. E. from junction of rd. N., in root on S. side of 18-in. elm tree; copper nail and washer	1,242.77
Purdy, 5.5 mi. W. of, 30 ft. N. and 25 ft. E. from junction of rd. N., in root on N. side of 16-in. hickory tree; copper nail and washer	1,319.23
Purdy, 5 mi. W. of, 40 ft. N. and 360 ft. E. from junction of County Route E (now State Highway 97), 70 ft. S. and 160 ft. W. from large barn on property of Joe Burdolski, in concrete post; standard tablet stamped "1366 E R A 1935"	1,375.618
Reference mark, 300 ft. E. of tablet, in root on S. side of 24-in. oak tree; copper nail and washer	1,379.36
(Continued in Monett quadrangle; see line 3.)	
4. FROM NEOSHO QUADRANGLE EAST ALONG STATE HIGHWAY 97 (now State Highway 86) TO POINT 1 MILE EAST OF STARK CITY (by R. W. Mattox in 1936)	
Newtonia, about 3.5 mi. W. of, 110 ft. N. and 40 ft. W. from crossroad, 20 ft. E. of SE. corner of dwelling on property of J. V. Hutchins, in root of walnut stump; bolt	1,235.61
Newtonia, 2.5 mi. W. of, 20 ft. N. and 20 ft. W. from crossroad, on top of W. head wall of culvert; chiseled square	1,253.79



3. FROM STOTTS CITY QUADRANGLE AT SEC. 28, T. 29 N., R. 28 W.,  
WEST TO POINT 1 MILE WEST OF AVILLA, THENCE SOUTH TO REEDS  
(by F. L. Whaley in 1916-17)  
(Continued from Stotts City quadrangle; see line 3.)

	<u>Feet</u>
Red Oak, 1.8 mi. S. and 0.8 mi. E. from, cor. secs. 20, 21, 28, and 29, T. 29 N., R. 28 W., at T-rd. N., in root of 14-in. black-oak tree; copper nail	1,194.09
Red Oak, 1.8 mi. S. and 0.5 mi. W. from, cor. secs. 19, 20, 29, and 30, T. 29 N., R. 28 W., 21 ft. N. and 18 ft. E. from T-rd. E.; iron post stamped "1917 Mo 1149"	1,147.766
Red Oak, 1.8 mi. S. and 0.5 mi. W. from, cor. secs. 19, 20, 29, and 30, T. 29 N., R. 28 W., NE. of T-rd. E., in root of small white-oak tree; copper nail	1,146.85
Red Oak, 2.3 mi. S. and 1 mi. W. from, center sec. 30, T. 29 N., R. 28 W., at T-rd. N., in root of 18-in. black-oak tree; copper nail	1,167.00
Red Oak, 2.3 mi. S. and 1.5 mi. W. from, quarter cor. between secs. 25 and 30, T. 29 N., Rs. 28 and 29 W., E. of rd., on top of flint rock; chiseled square	1,155.11
Red Oak, 2.3 mi. S. and 2.5 mi. W. from, quarter cor. between secs. 25 and 26, T. 29 N., R. 29 W., on Jasper-Lawrence county line, SE. of crossroads, in root of white-oak tree; copper nail	1,155.05
Avilla, 4 mi. E. of, cor. secs. 25, 26, 35, and 36, T. 29 N., R. 29 W., on Jasper-Lawrence county line, at crossroads, in root of pin-oak tree; copper nail	1,147.13
Avilla, 3 mi. E. of, 30 ft. NW. of cor. secs. 26, 27, 34, and 35, T. 29 N., R. 29 W., at crossroads, in root of black-oak tree; nail	1,132.74
Avilla, 3 mi. E. of, cor. secs. 26, 27, 34, and 35, T. 29 N., R. 29 W., 20 ft. N. and 52 ft. W. from crossroads; iron post stamped "1917 Mo 1135"	1,133.580
Avilla, 2 mi. E. of, cor. secs. 27, 28, 33, and 34, T. 29 N., R. 29 W., NE. of crossroads, on E. end of concrete culvert; chiseled square	1,048.29
Whiteoak Creek, under bridge; surface of water June 14, 1916	1,036.7
Avilla, 1 mi. E. of, cor. secs. 28, 29, 32, and 33, T. 29 N., R. 29 W., at crossroads, on top of W. guard wall of concrete culvert; chiseled square	1,126.99
Avilla, 100 ft. NW. of crossroads at cor. secs. 29, 30, 31, and 32, T. 29 N., R. 29 W., at entrance to Baptist Church, on E. end of bottom concrete step; chiseled square	1,118.13
Avilla, 1 mi. W. of, cor. secs. 25, 30, 31, and 36, T. 29 N., Rs. 29 and 30 W., at crossroads, on top of N. guard wall of concrete culvert; chiseled square	1,105.84
Avilla, 1 mi. W. of, cor. secs. 25, 30, 31, and 36, T. 29 N., Rs. 29 and 30 W., NW. of crossroads; iron post stamped "1917 Mo 1105"	1,103.690
Tps. 28 and 29 N., Rs. 29 and 30 W., cor. of, 40 ft. SW. of T-rd. W., on top of sandstone rock; chiseled square	1,119.51
T. 28 N., Rs. 29 and 30 W., near quarter cor. between secs. 1 and 6, NE. of crossroads, in fence corner, on concrete base of fence post; chiseled square	1,021.71 994.5
Whiteoak Creek, under bridge; surface of water June 15, 1916	
T. 28 N., R. 30 W., near center sec. 12, at rd. forks, E. of rd., 50 ft. N. of fence corner, in root of black-oak tree; copper nail	1,037.43
T. 28 N., R. 30 W., near center sec. 12, 21 ft. W. of T-rd. E.; iron post stamped "1917 Mo 1044"	1,042.333 987.7
Spring River, under bridge; surface of water June 16, 1916	
T. 28 N., R. 30 W., near center sec. 13, NE. of crossroads, at N. end of culvert, on top of large limestone rock; chiseled square	996.03
Reeds, 1.5 mi. N. of, in NW 1/4 sec. 24, T. 28 N., R. 30 W., at rd. forks, 10 ft. S. of mail boxes NW. of rd., in root of 5-in. white-oak tree; copper nail	1,127.46
Reeds, 0.5 mi. N. of, cor. secs. 23, 24, 25, and 26, T. 28 N., R. 30 W., at crossroads, at E. end of stone culvert, on top of sandstone cap; chiseled square	1,132.52 1,125.752
U.S.C. & G.S. B.M. designated "CIV"	

4. FROM POINT 2 MILES WEST OF AVILLA WEST TO SEC. 32, T. 29 N.,  
R. 30 W., THENCE NORTH TO SEC. 8, T. 29 N., R. 30 W. (by  
F. L. Whaley in 1916-17)

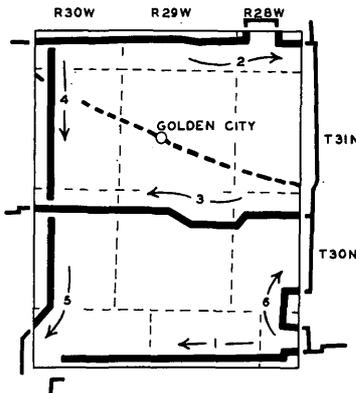
Avilla, 2 mi. W. of, cor. secs. 25, 26, 35, and 36, T. 29 N., R. 30 W., 20 ft. W. of NW. angle of crossroads, in root of large soft-maple tree; copper nail	1,098.32
Avilla, 3 mi. W. of, cor. secs. 26, 27, 34, and 35, T. 29 N., R. 30 W., N. of rd. opposite T-rd. S., in base of telephone pole; copper nail	1,086.75
Avilla, 4 mi. W. of, cor. secs. 27, 28, 33, and 34, T. 29 N., R. 30 W., SE. of crossroads, on top of E. guard wall of concrete culvert; chiseled square	1,066.59
Avilla, 5 mi. W. of, cor. secs. 28, 29, 32, and 33, T. 29 N., R. 30 W., 30 ft. S. of crossroads, on top of flint rock; chiseled square	1,074.92
Avilla, 6 mi. W. of, cor. secs. 29, 30, 31, and 32, T. 29 N., R. 30 W., 50 ft. SE. of crossroads, in yard of M. H. Bogue, in root of 30-in. maple tree; copper nail	1,066.07
Avilla, 6 mi. W. of, cor. secs. 29, 30, 31, and 32, T. 29 N., R. 30 W., 18 ft. N. and 35 ft. E. from crossroads; iron post stamped "1917 Mo 1068"	1,066.484
T. 29 N., R. 30 W., cor. secs. 19, 20, 29, and 30, at crossroads, at N. end of culvert, on top of flint rock; chiseled square	1,052.57
T. 29 N., R. 30 W., cor. secs. 17, 18, 19, and 20, NW. of crossroads, at W. end of culvert, on top of flint rock; chiseled square	1,046.75

T. 29 N., R. 30 W., cor. secs. 7, 8, 17, and 18, at crossroads, at N. end of stone culvert, on top of large, square stone set in concrete; chiseled square	Feet 1,013.95
T. 29 N., R. 30 W., center sec. 8, 60 ft. E. of rd. corner from S.-E., in root of forked black-oak tree; copper nail	989.23
Spring Branch, at ford; surface of water June 22, 1916	952.4
Dry Fork Creek, at ford; surface of water June 22, 1916	952.2

For an additional level line along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey first-order line, Harrisonville to Monett.

GOLDEN CITY QUADRANGLE  
(Latitude 37°15'-37°30'; longitude 94°00'-94°15')

Barton, Dade, Jasper, and Lawrence Counties



1. FROM GREENFIELD QUADRANGLE AT SEC. 5, T. 29 N., R. 28 W., WEST TO SEC. 8, T. 29 N.; R. 30 W. (by F. L. Whaley in 1916-17)  
(Continued from Greenfield quadrangle; see line 1.)

Salem Church, 1 mi. W. of, on line between secs. 5 and 6, T. 29 N., R. 28 W., 30 ft. NW. of T-rd. E., W. of rd., on top of sandstone rock; chiseled circle	1,148.48
Red Oak, 1.5 mi. N. and 0.5 mi. W. from, cor. secs. 5, 6, 7, and 8, T. 29 N., R. 28 W., SW. of T-rd. W., in corner fence post; copper nail	1,158.26
Red Oak, 1.5 mi. N. and 1.5 mi. W. from, near cor. secs. 1, 6, 7, and 12, T. 29 N., Rs. 28 and 29 W., on top of large flint rock; chiseled square	1,167.87
T. 29 N., R. 29 W., cor. secs. 1, 2, 11, and 12, SW. of crossroads, on side of ditch, 20 ft. E. of mail box, on top of flint rock; chiseled circle	1,136.77
T. 29 N., R. 29 W., cor. secs. 2, 3, 10, and 11, 27 ft. S. and 21 ft. W. from crossroads; iron post stamped "1917 Mo 1112"	1,110.469
T. 29 N., R. 29 W., cor. secs. 2, 3, 10, and 11, SW. of crossroads, on S. guard wall of concrete culvert; chiseled square	1,109.96
T. 29 N., R. 29 W., cor. secs. 3, 4, 9, and 10, SW. of crossroads, on side of ditch, on top of large flint rock; chiseled square	1,108.56
T. 29 N., R. 29 W., cor. secs. 4, 5, 8, and 9, T. 29 N., R. 29 W., NE. of rd. forks, 2 ft. from fence corner, on top of large flint rock; chiseled square	1,100.88
T. 29 N., R. 29 W., cor. secs. 5, 6, 7, and 8, 23 ft. S. and 30 ft. W. from crossroads, 8 ft. N. of N. side of store building of H. T. Boyd; iron post stamped "Prim Trav Sta No 8 1916 Mo 1100"	1,098.610
T. 29 N., Rs. 29 and 30 W., cor. secs. 1, 6, 7, and 12, NW. of crossroads, in root of 20-in. maple tree; copper nail	1,070.84
T. 29 N., R. 30 W., cor. secs. 1, 2, 11, and 12, at crossroads, on E. end of concrete culvert; chiseled square	1,032.63
T. 29 N., R. 30 W., cor. secs. 2, 3, 10, and 11, near Deer Creek School, 50 ft. SW. of crossroads, in root of 12-in. wild-cherry tree; copper nail	1,053.43
T. 29 N., R. 30 W., cor. secs. 2, 3, 10, and 11, 15 ft. N. and 27 ft. E. from crossroads; iron post stamped "1917 1055 Mo"	1,053.032
T. 29 N., R. 30 W., cor. secs. 3, 4, 9, and 10, in yard of Rose School, 73 ft. SE. of crossroads, in root of 14-in. hackberry tree; copper nail	1,019.54
T. 29 N., R. 30 W., cor. secs. 4, 5, 8, and 9, 30 ft. NW. of T-rd. E., W. of rd., on top of large boulder; chiseled square	986.73

2. FROM JASPER QUADRANGLE EAST ALONG U.S. HIGHWAY 160 TO SEC. 22, T. 32 N., R. 29 W., THENCE EAST ALONG ROADS INTO GREENFIELD QUADRANGLE AT SEC. 34, T. 32 N., R. 28 W. (by C. N. Ackerman in 1935)

(Continued from Jasper quadrangle; see line 1.)

	<u>Feet</u>
T. 32 N., R. 30 W., quarter cor. between secs. 28 and 29, 40 ft. S. and 11 ft. W. from crossroad, on top of N. end of W. head wall of concrete culvert; chiseled square	972.23
T. 32 N., R. 30 W., quarter cor. between secs. 27 and 28, 80 ft. S. and 20 ft. W. from crossroad, on top of right-of-way post; chiseled (?) square	1,009.12
T. 32 N., R. 30 W., quarter cor. between secs. 26 and 27, 38 ft. N. and 23 1/2 ft. E. from crossroad, in concrete post; standard tablet stamped "1204 C W A 1934"	1,031.229
T. 32 N., R. 30 W., in NE 1/4 sec. 26, 40 ft. N. and 25 ft. E. from crossroad, on top of S. concrete abutment at SE. corner of bridge over Muddy Creek; chiseled square	967.57
T. 32 N., R. 30 W., in SE 1/4 sec. 24, 30 ft. N. and 15 ft. W. from junction of rd. N., on top of W. head wall of concrete culvert; chiseled square	977.01
T. 32 N., R. 29 W., cor. secs. 19, 20, 29, and 30, 87 ft. S. and 25 ft. E. from crossroad, in concrete post; standard tablet stamped "203 C W A 1934"	1,002.425
T. 32 N., R. 29 W., cor. secs. 20, 21, 28, and 29, 62 ft. S. and 13 ft. W. from crossroad, on top of S. end of W. head wall of concrete culvert; chiseled square	1,004.17
T. 32 N., R. 29 W., cor. secs. 21, 22, 27, and 28, 40 ft. N. and 60 ft. W. from junction of rd. N. and fence S., on top of right-of-way post; chiseled (?) square	1,052.51
T. 32 N., R. 29 W., cor. secs. 22, 23, 26, and 27, 24 ft. N. and 87 ft. E. from crossroads, in concrete post; standard tablet stamped "204 C W A 1934"	1,056.146
T. 32 N., R. 29 W., cor. secs. 23, 24, 25, and 26, near Barton-Dade county line, 125 ft. N. and 15 ft. W. from crossroads, in root on SE. side of 30-in. maple tree; copper nail and washer	971.37
T. 32 N., Rs. 28 and 29 W., cor. secs. 19, 24, 29, and 30, 45 ft. N. and 20 ft. E. from T-rd. W., 25 ft. S. and 20 ft. E. from T-rd. E., at fence corner, in W. side of fence post; copper nail and washer	985.78

(For balance in Montevallo quadrangle, see line 2.)

T. 32 N., R. 28 W., cor. secs. 21, 22, 27, and 28, 97 ft. S. and 29 ft. W. from crossroads, in W. side of fence post; copper nail and washer	1,077.56
T. 32 N., R. 28 W., cor. secs. 27, 28, 33, and 34, 24 ft. N. and 82 ft. E. from crossroads, in root on SW. side of 20-in. maple tree; copper nail and washer	1,061.76

(Continued in Greenfield quadrangle; see line 3.)

3. FROM GREENFIELD QUADRANGLE AT SEC. 3, T. 30 N., R. 28 W., WEST INTO JASPER QUADRANGLE AT SEC. 6, T. 30 N., R. 30 W. (by C. N. Ackerman in 1935)

(Continued from Greenfield quadrangle; see line 3.)

T. 30 N., R. 28 W., cor. secs. 3, 4, 9, and 10, 7 ft. N. and 23 ft. E. from T-rd. N., on top of N. head wall of concrete culvert; chiseled square	1,101.69
T. 30 N., R. 28 W., cor. secs. 4, 5, 8, and 9, 21 ft. S. and 209 ft. E. from crossroads, in root on N. side of 24-in. maple tree; copper nail and washer	1,090.58
T. 30 N., R. 28 W., cor. secs. 5, 6, 7, and 8, 310 ft. S. and 30 ft. E. from T-rd. E., 12 ft. N. of fence, in concrete post; standard tablet stamped "507 C W A 1934"	1,059.320
T. 30 N., R. 28 W., center sec. 7, 56 ft. N. and 50 ft. E. from rd. at fence N. and hedge S., in root on W. side of 30-in. maple tree; copper nail and washer	1,045.96
T. 30 N., Rs. 28 and 29 W., near quarter cor. between secs. 7 and 12, 50 ft. S. and 24 ft. W. from T-rd. E., 16 ft. N. and 24 ft. W. from T-rd. W., on top of N. head wall of concrete culvert; chiseled square	1,039.87
T. 30 N., R. 29 W., quarter cor. between secs. 11 and 12, 10 ft. S. and 32 ft. W. from rd. at hedge S., on top of S. head wall of concrete culvert; chiseled square	1,039.42
T. 30 N., R. 29 W., quarter cor. between secs. 10 and 11, 11 ft. N. and 20 ft. E. from T-rd. E., on top of E. end of N. head wall of concrete culvert; chiseled square	1,059.18
T. 30 N., R. 29 W., near N. sixteenth cor. between secs. 10 and 11, 215 ft. N. of dwelling, 35 ft. W. of N.-S. rd., 20 ft. W. of fence, 3 ft. S. of E.-W. fence, in concrete post; standard tablet stamped "249 C W A 1934"	1,066.140
T. 30 N., R. 29 W., quarter cor. between secs. 3 and 10, 22 ft. S. and 8 ft. E. from rd. at fences N. and S., in W. side of fence post; copper nail and washer	1,061.01
T. 30 N., R. 29 W., cor. secs. 3, 4, 9, and 10, 170 ft. N. and 34 ft. E. from crossroads, in root on SW. side of 48-in. maple tree; copper nail and washer	1,088.85
T. 30 N., R. 29 W., cor. secs. 4, 5, 8, and 9, 10 ft. N. and 15 ft. E. from crossroads, on top of N. head wall of concrete culvert; chiseled square	1,054.48

	Feet
T. 30 N., R. 29 W., in NW 1/4 sec. 8, 37 ft. S. of rd., 15 ft. S. of fence, 3 ft. E. of N.-S. fence, in corner of field, in concrete post; standard tablet stamped "401 C W A 1934"	1,041.887
T. 30 N., R. 29 W., cor. secs. 5, 6, 7, and 8, 50 ft. N. and 25 ft. E. from crossroads, in root on S. side of 15-in. hedge tree; copper nail and washer	1,034.39
T. 30 N., Rs. 29 and 30 W., cor. secs. 1, 6, 7, and 12, 115 ft. S. and 85 ft. E. from T-rd. W., 22 ft. S. and 85 ft. E. from T-rd. E., in root on E. side of 32-in. maple tree; copper nail and washer	1,047.93
T. 30 N., R. 30 W., cor. secs. 1, 2, 11, and 12, 38 ft. N. and 27 ft. W. from crossroads, in root on W. side of 22-in. locust tree; copper nail and washer	1,002.39
T. 30 N., R. 30 W., cor. secs. 2, 3, 10, and 11, 27 ft. S. and 420 ft. W. from crossroads, 37 ft. N. and 90 ft. E. from NE. corner of dwelling, in concrete post; standard tablet stamped "248 C W A 1934"	960.892
T. 30 N., R. 30 W., cor. secs. 3, 4, 9, and 10, 18 ft. N. and 9 ft. W. from crossroads, on top of W. head wall of concrete culvert; chiseled square	971.80
T. 30 N., R. 30 W., near cor. secs. 4, 5, 8, and 9, 65 ft. N. and 105 ft. W. from crossroads, 28 ft. S. and 20 ft. W. from SE. corner of church, in root on S. side of 32-in. maple tree; copper nail and washer	965.63

(Continued in Jasper quadrangle; see line 2.)

4. FROM SEC. 28, T. 32 N., R. 30 W., SOUTH TO SEC. 8, T. 30 N., R. 30 W. (by C. N. Ackerman in 1935)

T. 32 N., R. 30 W., near quarter cor. between secs. 32 and 33, 78 ft. S. and 25 ft. W. from T-rd. E., in root on E. side of 18-in. oak tree; copper nail and washer	986.56
T. 31 N., R. 30 W., N. cor. secs. 4 and 5, 25 ft. E. of T-rd. S., 22 ft. S. of E.-W. rd., in concrete post; standard tablet stamped "1216 C W A 1934"	995.730
T. 31 N., R. 30 W., cor. secs. 4, 5, 8, and 9, 32 ft. S. and 60 ft. W. from SW. corner of dwelling on property of W. C. Long, 165 ft. S. and 30 ft. E. from crossroads, in root on W. side of 14-in. maple tree; copper nail and washer	991.52
T. 31 N., R. 30 W., cor. secs. 8, 9, 16, and 17, 26 ft. N. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "1215 C W A 1934"	940.837
T. 31 N., R. 30 W., cor. secs. 16, 17, 20, and 21, 10 ft. N. and 20 ft. E. from crossroads, on top of N. head wall of concrete culvert; chiseled square	988.30
T. 31 N., R. 30 W., cor. secs. 20, 21, 28, and 29, 275 ft. S. and 15 ft. E. from T-rd. W., 5 ft. S. and 105 ft. E. from SE. corner of school-house, in root of 16-in. catalpa tree; copper nail and washer	946.40
T. 31 N., R. 30 W., cor. secs. 28, 29, 32, and 33, on County Route D, 40 ft. S. and 28 ft. E. from crossroad, in concrete post; standard tablet stamped "1214 C W A 1934"	985.064
T. 30 N., R. 30 W., N. cor. secs. 4 and 5, 39 ft. E. of T-rd. S., 25 ft. S. of E.-W. rd., in concrete post; standard tablet stamped "1213 C W A 1934"	983.895

5. FROM SEC. 8, T. 30 N., R. 30 W., SOUTH INTO JASPER QUADRANGLE AT SEC. 6, T. 29 N., R. 30 W. (by A. R. Friend in 1936)

T. 30 N., R. 30 W., cor. secs. 8, 9, 16, and 17, 20 ft. N. and 10 ft. E. from crossroads, on E. end of concrete culvert; chiseled square	954.34
Jasper, 3 mi. E. of, along County Route K, cor. secs. 16, 17, 20, and 21, T. 30 N., R. 30 W., 31 ft. N. and 22 ft. W. from crossroad, in concrete post; standard tablet stamped "1212 C W A 1934"	948.080
T. 30 N., R. 30 W., cor. secs. 20, 21, 28, and 29, 22 ft. N. and 26 ft. W. from crossroads, in root on E. side of 24-in. hedge tree; copper nail and washer	994.84
T. 30 N., R. 30 W., cor. secs. 28, 29, 32, and 33, 7 ft. N. and 22 ft. W. from crossroads, on N. head wall of concrete culvert; chiseled square	1,006.15

(Continued in Jasper quadrangle; see line 4.)

6. FROM GREENFIELD QUADRANGLE AT SEC. 4, T. 29 N., R. 28 W., WEST 1.5 MILES, THENCE NORTH 0.5 MILE, THENCE EAST 1.5 MILES INTO GREENFIELD QUADRANGLE AT SEC. 27, T. 30 N., R. 28 W. (by A. R. Friend in 1936)

(Continued from Greenfield quadrangle; see line 6.)

T. 30 N., R. 28 W., S. cor. secs. 33 and 34, 15 ft. N. and 10 ft. E. from T-rd. N., on E. head wall of concrete culvert; chiseled square	1,182.24
T. 29 N., R. 28 W., N. cor. secs. 5 and 6, at T-rd. S., on top of head wall of concrete culvert; chiseled square	1,162.68
T. 30 N., R. 28 W., S. cor. secs. 32 and 33, 6 ft. S. and 200 ft. W. from T-rd. N., on E. end of S. head wall of concrete culvert; chiseled square	1,137.84
T. 30 N., R. 28 W., cor. secs. 28, 29, 32, and 33, 45 ft. S. and 22 ft. E. from crossroads, 2 ft. E. of yard fence, in top of stump; copper nail and washer	1,128.20

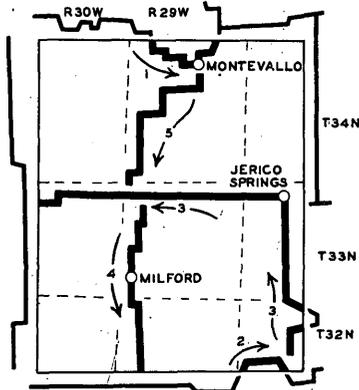
T. 30 N., R. 28 W., near quarter cor. between secs. 28 and 33, 12 ft. S. and 2 ft. W. from NW. corner of front yard of H. T. Finke, 40 ft. S. of rd., in concrete post; standard tablet stamped "110 C W A 1934"	<u>Feet</u> 1,140.511
T. 30 N., R. 28 W., cor. secs. 27, 28, 33, and 34, 45 ft. S. and 18 ft. W. from crossroads, in root on N. side of twin 12-in. wild-cherry tree; copper nail and washer	1,153.24

(Continued in Greenfield quadrangle; see line 6.)

For an additional level line along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey second-order line, Cherokee, Kan. to Nichols, Mo.

MONTEVALLO QUADRANGLE  
(Latitude  $37^{\circ}30' - 37^{\circ}45'$ ; longitude  $94^{\circ}00' - 94^{\circ}15'$ )

Barton, Cedar, Dade, and Vernon Counties



1. FROM WALKER QUADRANGLE AT SEC. 6, T. 34 N., R. 29 W., EAST BY WAY OF MONTEVALLO INTO WALKER QUADRANGLE AT SEC. 3, T. 34 N., R. 29 W. (by H. P. Jones in 1934)  
(Continued from Walker quadrangle; see line 3.)

T. 34 N., R. 29 W., in NW 1/4 sec. 6, 60 ft. N. of rd. forks, in root on NW. side of 28-in. oak tree; copper nail and washer	921.45
T. 34 N., R. 29 W., in NE 1/4 sec. 6, 20 ft. N. and 18 ft. E. from T-rd. W., in root on S. side of 4-in. oak tree; copper nail and washer	924.91
T. 34 N., R. 29 W., in NE 1/4 sec. 6, 185 ft. N. and 21 ft. W. from rd. corner N.-E., in front yard of G. W. Faith, 3 ft. S. and 3 ft. W. from telephone pole, in concrete post; standard tablet stamped "295 C W A 1934"	918.446
T. 34 N., R. 29 W., in NE 1/4 sec. 5, 20 ft. N. and 12 ft. E. from crossroads, in root on S. side of 20-in. birch tree; copper nail and washer	859.28
T. 34 N., R. 29 W., in NE 1/4 sec. 5, 30 ft. N. and 15 ft. W. from T-rd. N., in root on E. side of 10-in. oak tree; copper nail and washer	896.79
Montevallo, in NE 1/4 sec. 4, T. 34 N., R. 29 W., 29 ft. N. and 50 ft. E. from T-rd. N., 3 ft. S. and 5 ft. E. from fence corner, in concrete post; standard tablet stamped "267 C W A 1934"	958.472
T. 34 N., R. 29 W., in NE 1/4 sec. 4, 75 ft. S. and 22 ft. E. from T-rd. S., in root on E. side of 12-in. walnut tree; copper nail and washer	953.84
T. 34 N., R. 29 W., in NE 1/4 sec. 3, 20 ft. S. and 20 ft. E. from T-rd. E., in root on E. side of 15-in. oak tree; copper nail and washer	946.21

(Continued in Walker quadrangle; see line 3.)

2. FROM GOLDEN CITY QUADRANGLE AT SEC. 21, T. 32 N., R. 29 W., EAST ABOUT 1 MILE INTO GOLDEN CITY QUADRANGLE AT SEC. 20, T. 32 N., R. 28 W. (by C. N. Ackerman in 1935)  
(Continued from Golden City quadrangle; see line 2.)

T. 32 N., Rs. 28 and 29 W., near N. sixteenth cor. between secs. 19 and 24, 200 ft. N. and 25 ft. W. from T-rd. E., 17 ft. N. and 14 ft. E. from NE. corner of dwelling, in root on SE. side of 32-in. maple tree; copper nail and washer	1,056.91
T. 32 N., R. 28 W., near E. sixteenth cor. sec. 19, 35 ft. N. and 275 ft. E. from T-rd. N., in root on NE. side of triple 34-in. maple tree; copper nail and washer	1,049.47
T. 32 N., R. 28 W., quarter cor. between secs. 19 and 20, 36 ft. S. and 33 ft. W. from T-rd. S., in concrete post; standard tablet stamped "205 C W A 1934"	1,044.068
T. 32 N., R. 28 W., quarter cor. between secs. 20 and 21, 20 ft. N. and 100 ft. W. from T-rd. W., in root on S. side of 15-in. maple tree; copper nail and washer	1,066.99

(Continued in Golden City quadrangle; see line 2.)

3. FROM GOLDEN CITY QUADRANGLE AT SEC. 21, T. 32 N., R. 28 W., NORTH TO JERICHO SPRINGS, THENCE WEST INTO SHELDON QUADRANGLE AT SEC. 8, T. 33 N., R. 30 W. (by Cornish Beck in 1935)

	<u>Feet</u>
T. 32 N., R. 28 W., cor. secs. 15, 16, 21, and 22, 18 ft. N. and 52 ft. W. from crossroads, on N. headwall of concrete culvert; chiseled cross (as reset by State Highway Dept.)	1,010.25
T. 32 N., R. 28 W., cor. secs. 9, 10, 15, and 16, 24 ft. N. and 16 ft. E. from T-rd. N., in W. side of corner fence post; nail	1,030.18
T. 32 N., R. 28 W., cor. secs. 3, 4, 9, and 10, 8 ft. S. and 10 ft. E. from crossroads, on S. end of iron pipe culvert; chiseled square	995.58
(For balance in Stockton quadrangle, see line 5.)	
T. 33 N., R. 28 W., near center sec. 33, 985 ft. E. of T-rd. N., 340 ft. W. of T-rd. S., 22 ft. N. of E.-W. rd., 4 ft. N. of fence, in concrete post; standard tablet stamped "117 C W A 1934"	1,051.203
T. 33 N., R. 28 W., quarter cor. between secs. 28 and 33, 39 ft. S. and 16 ft. W. from T-rd. W., in root on S. side of 24-in. cherry tree; copper nail and washer	1,008.63
T. 33 N., R. 28 W., quarter cor. between secs. 21 and 28, on Cedar-Dade county line, 24 ft. N. and 18 ft. E. from T-rd. W., in W. side of transmission-line pole; spike	985.24
Jericho Springs, 1.6 mi. S. of, quarter cor. between secs. 16 and 21, T. 33 N., R. 28 W., 88 ft. N. and 31 ft. W. from crossroads, in concrete post; standard tablet stamped "118 C W A 1934"	1,041.387
Jericho Springs, about 0.6 mi. S. of, quarter cor. between secs. 9 and 16, T. 33 N., R. 28 W., 15 ft. S. and 34 ft. E. from T-rd. E., in root on SW. side of 24-in. cottonwood tree; copper nail and washer	1,040.20
Jericho Springs, 30 ft. N. of County Route B at main street; top of right-of-way post	1,015.05
T. 33 N., R. 28 W., cor. secs. 4, 5, 8, and 9, 28 ft. S. and 21 ft. W. from crossroads, on NE. edge of sandstone ledge; chiseled square	996.04
T. 33 N., R. 28 W., on line between secs. 5 and 8, NW. of crossroads; top of right-of-way post	958.40
T. 33 N., R. 28 W., cor. secs. 5, 6, 7, and 8, 21 ft. N. and 27 ft. W. from crossroads, in top of small stump; copper nail and washer	1,019.55
T. 33 N., R. 29 W., E. cor. secs. 1 and 12, 133 ft. N. and 23 ft. W. from T-rd. W., 10 ft. S. and 23 ft. W. from T-rd. E. at W. cor. secs. 6 and 7, T. 33 N., R. 28 W., in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "123 C W A 1934"	997.035
T. 33 N., R. 29 W., near cor. secs. 1, 2, 11, and 12, 19 ft. S. and 9 ft. E. from junction of private rd. N., in fence line S., in root on E. side of 22-in. blackjack-oak tree; copper nail and washer	952.31
T. 33 N., R. 29 W., on line between secs. 2 and 11, on SE. abutment of bridge; chiseled square	874.53
T. 33 N., R. 29 W., cor. secs. 2, 3, 10, and 11, 22 ft. N. and 29 ft. W. from T-rd. S., in yard, in root on S. side of 30-in. black-oak tree; copper nail and washer	952.39
Bridge; NE. wing wall	877.2
T. 33 N., R. 29 W., cor. secs. 3, 4, 9, and 10, 24 ft. S. and 436 ft. E. from rd. at fences N. and S., on property of M. E. Devine, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "122 C W A 1934"	941.575
T. 33 N., R. 29 W., cor. secs. 4, 5, 8, and 9, 20 ft. S. and 10 ft. W. from crossroads, on NW. corner of sandstone retaining wall; chiseled square	947.60
T. 33 N., R. 29 W., cor. secs. 5, 6, 7, and 8, 30 ft. S. and 24 ft. E. from crossroads, at fence corner, in hedge post; spike	914.80
T. 33 N., R. 29 and 30 W., cor. secs. 1, 6, 7, and 12, 16 ft. N. (S. ?) and 187 ft. E. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "121 C W A 1934"	971.825
T. 33 N., R. 30 W., cor. secs. 1, 2, 11, and 12, 27 ft. S. and 29 ft. E. from crossroads, in top of 10-in. hedge stump; copper nail and washer	956.89
T. 33 N., R. 30 W., cor. secs. 2, 3, 10, and 11, 21 ft. S. and 48 ft. E. from dim T-rd. S., in N. side of 10-in. peach-tree stump; copper nail and washer	932.02
T. 33 N., R. 30 W., on line between secs. 3 and 10, on S. end of concrete bridge; chiseled square	903.24
T. 33 N., R. 30 W., cor. secs. 3, 4, 9, and 10, 59 ft. S. and 29 ft. E. from crossroads, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "120 C W A 1934"	940.711
T. 33 N., R. 30 W., cor. secs. 9, 10, 15, and 16, 23 ft. S. and 9 ft. W. from crossroads, on W. head wall of concrete culvert; chiseled square	925.85
T. 33 N., R. 30 W., cor. secs. 8, 9, 16, and 17, 8 ft. N. and 27 ft. E. from crossroads, on head wall of concrete culvert; chiseled square	952.66

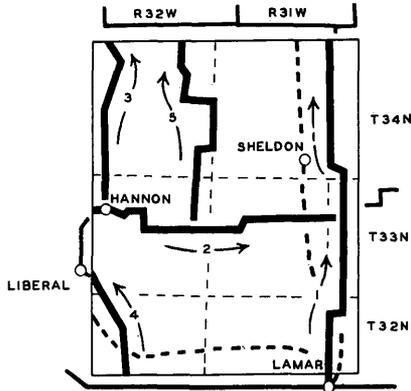
4. FROM SEC. 5, T. 33 N., R. 29 W., SOUTH BY WAY OF MILFORD INTO GOLDEN CITY QUADRANGLE AT SEC. 19, T. 32 N., R. 29 W. (by Cornish Beck in 1935)

T. 33 N., R. 29 W., cor. secs. 7, 8, 17, and 18, 19 ft. N. and 27 ft. E. from T-rd. N., in root on N. side of 20-in. elm tree; copper nail and washer	898.20
T. 33 N., R. 29 W., near E. sixteenth cor. between secs. 7 and 18, 21 ft. N. and 22 ft. E. from T-rd. S., in 6-in. post; notch	907.5
T. 33 N., R. 29 W., in E 1/2 sec. 18, on N. wing wall of bridge; chiseled square	890.85

	<u>Feet</u>
T. 33 N., R. 29 W., quarter cor. between secs. 18 and 19, 39 ft. N. and 15 ft. W. from T-rd. S., in root on E. side of 18-in. maple tree; copper nail and washer	916.80
Milford, 147 ft. N. and 28 ft. E. from crossroads, in concrete post; standard tablet stamped "201 C W A 1934"	923.850
Milford, about 1 mi. S. of, quarter cor. between secs. 30 and 31; T. 33 N., R. 29 W., 19 ft. N. and 21 ft. W. from T-rd. W., in root on E. side of 12-in. ash tree; copper nail and washer	933.30
Milford, about 2 mi. S. of, near S. quarter cor. sec. 31, T. 33 N., R. 29 W., 19 ft. N. and 13 ft. W. from crossroads, on NE. head wall of concrete culvert; chiseled square	956.41
Milford, about 2.5 mi. S. of, near center sec. 6, T. 32 N., R. 29 W., on abutment of bridge over Horse Creek; chiseled square	910.72
Milford, 3 mi. S. of, quarter cor. between secs. 6 and 7, T. 32 N., R. 29 W., 28 ft. S. and 3 ft. E. from T-rd. N., in concrete post; standard tablet stamped "202 C W A 1934"	955.084
T. 32 N., R. 29 W., cor. secs. 5, 6, 7, and 8, 21 ft. S. and 19 ft. E. from T-rd. S., in 9-in. cherry-tree stump; copper nail and washer	935.65
T. 32 N., R. 29 W., cor. secs. 7, 8, 17, and 18, 13 ft. N. and 21 ft. W. from crossroads, on N. head wall of concrete culvert; chiseled square	991.38
T. 32 N., R. 29 W., cor. secs. 17, 18, 19, and 20, 57 ft. S. and 21 ft. E. from crossroads, in top of 12-in. cherry-tree stump; copper nail and washer	994.71
5. FROM MONTEVALLO SOUTHWEST TO SEC. 1, T. 33 N., R. 30 W. (by A. R. Friend in 1936)	
Montevallo, about 0.3 mi. S. of, at T-rd. S., in NE. corner of yard, in root on E. side of 12-in. cedar tree; crossed nails	948.43
Montevallo, about 1 mi. S. of, 20 ft. N. and 45 ft. W. from T-rd. W., in base of telephone pole; copper nail and washer	977.49
Montevallo, about 1 mi. S. and 0.7 mi. W. from, 12 ft. N. and 37 ft. W. from T-rd. W., in root on S. side of 10-in. white-oak tree; crossed nails	955.38
Montevallo, 2 mi. S. and 1 mi. W. from, cor. secs. 8, 9, 16, and 17, T. 34 N., R. 29 W., 20 ft. N. and 4 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 21 C 1936"	973.164
T-rd. W., 6 ft. S. and 18 ft. W. from, at S. end of wooden culvert, on top of flat rock; chiseled square	959.21
Montevallo, about 3 mi. S. and 1 mi. W. from, cor. secs. 16, 17, 20, and 21, T. 34 N., R. 29 W., 18 ft. S. and 36 ft. E. from T-rd. N., in top of 10-in. stump; copper nail and washer	970.88
Montevallo, about 3 mi. S. and 2 mi. W. from, cor. secs. 17, 18, 19, and 20, T. 34 N., R. 29 W., 18 ft. N. and 110 ft. E. from T-rd. S., in root of 12-in. hedge tree; copper nail and washer	963.54
Milford, 6 mi. N. of, cor. secs. 19, 20, 29, and 30, T. 34 N., R. 29 W., 23 ft. S. and 23 ft. W. from crossroads, 5 ft. S. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 22 C 1936"	954.188
T-rd. E., 105 ft. S. and 27 ft. W. from, in front of Stony Front School, on top of stone step; chiseled square	916.40
Milford, about 5 mi. N. of, cor. secs. 29, 30, 31, and 32, T. 34 N., R. 29 W., 27 ft. N. and 17 ft. W. from County Route B at N.-S. crossroad, in fence corner, in root of cherry-tree stump; copper nail and washer	941.70
Milford, 4 mi. N. of, 430 ft. W. of T-rd. S. at N. cor. secs. 5 and 6, T. 33 N., R. 29 W., 21 ft. S. of T-rd. N. at S. cor. secs. 31 and 32, T. 34 N., R. 29 W., in concrete post; standard tablet stamped "T T 23 C 1936"	957.090
Tps. 33 and 34 N., Rs. 29 and 30 W., cor. of, 8 ft. N. and 70 ft. E. from T-rd. E., on N. head wall of concrete culvert; chiseled square	916.35

SHELDON QUADRANGLE  
(Latitude 37°30'-37°45'; longitude 94°15'-94°30')

Barton and Vernon Counties



1. FROM LAMAR NORTH INTO NEVADA QUADRANGLE AT SEC. 6, T. 34 N.,  
R. 30 W. (by Cornish Beck in 1935)

	Feet
U.S.C. & G.S. B.M. designated "XCV"	978.007
T. 32 N., R. 30 W., quarter cor. between secs. 18 and 19, 30 ft. S. and 35 ft. E. from crossroads, on W. corner of head wall of concrete culvert; chiseled square	958.19
T. 32 N., R. 30 W., in NW 1/4 sec. 18, on SW. wing wall of bridge over Muddy Fork of Spring River; chiseled square	946.06
U.S.C. & G.S. standard disk stamped "X 106 1934"	953.279
T. 32 N., R. 30 W., in SW 1/4 sec. 7, 107 ft. W. of Missouri Pacific R.R., 37 ft. S. and 25 ft. W. from T-rd. S., in sandstone ledge; standard tablet stamped "T T 1 B 1933"	953.712
T. 32 N., R. 30 W., quarter cor. between secs. 6 and 7, at T-rd. S.; head wall of culvert	966.21
T. 32 N., R. 30 W., cor. secs. 5, 6, 7, and 8, 30 ft. S. and 80 ft. W. from T-rd. N., in schoolyard, in root on NW. side of 20-in. elm tree; copper nail and washer	970.53
Tps. 32 and 33 N., R. 30 W., cor. secs. 5, 6, 31, and 32, 27 ft. N. and 7 ft. W. from crossroads, on head wall of concrete culvert; chiseled square	983.32
T. 33 N., R. 30 W., cor. secs. 29, 30, 31, and 32, 28 ft. S. and 49 ft. W. from crossroads, 24 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 2 B 1933"	966.910
T. 33 N., R. 30 W., cor. secs. 19, 20, 29, and 30, 14 ft. S. and 24 ft. E. from crossroads, on head wall of concrete culvert; chiseled square	988.54
T. 33 N., R. 30 W., cor. secs. 17, 18, 19, and 20, 20 ft. N. and 9 ft. E. from crossroads, on NE. corner of concrete head wall of culvert; chiseled square	960.00
T. 33 N., R. 30 W., cor. secs. 7, 8, 17, and 18, 73 ft. N. and 22 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 3 B 1933"	937.758
T. 33 N., R. 30 W., cor. secs. 5, 6, 7, and 8, 27 ft. S. and 8 ft. W. from crossroads, on head wall of concrete culvert; chiseled square	941.62
T. 33 N., R. 30 W., N. cor. secs. 5 and 6, 10 ft. S. and 30 ft. W. from T-rd. N., on head wall of concrete culvert; chiseled square	930.72
Tps. 33 and 34 N., Rs. 30 and 31 W., cor. of, 56 ft. N. and 21 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 4 B 1933"	921.023
T. 34 N., R. 31 W., near NE. cor. sec. 36, 42 ft. S. and 18 ft. W. from County Route B at crossroad, on W. end of iron pipe culvert; chiseled cross	909.47
T. 34 N., R. 31 W., E. cor. secs. 24 and 25, 15 ft. S. and 8 ft. W. from crossroads, on W. end of concrete culvert; chiseled square	888.79
T. 34 N., R. 31 W., 60 ft. S. and 22 ft. W. from E. cor. secs. 13 and 24, 140 ft. S. and 22 ft. W. from W. cor. secs. 18 and 19, T. 34 N., R. 30 W., in concrete post; standard tablet stamped "T T 5 B 1933"	911.842
T. 34 N., R. 31 W., E. cor. secs. 12 and 13, 168 ft. N. and 10 ft. E. from crossroads, 150 ft. N. and 4 ft. E. from fence corner, in root on W. side of 10-in. wild-cherry tree; copper nail and washer	905.75
T. 34 N., R. 30 W., W. cor. secs. 6 and 7, 13 ft. N. and 24 ft. W. from crossroads, at fence corner, in root on W. side of 12-in. hedge tree; copper nail and washer	890.70
T. 34 N., R. 30 W., about 1 mi. N. of SW. cor. sec. 6, 15 ft. E. of N.-S. rd., 9 ft. N. and 4 ft. W. from T-fence E. at gate, in root on E. side of 6-in. cherry tree; copper nail and washer	880.66
T. 34 N., Rs. 30 and 31 W., about 1.4 mi. S. of N. cor. secs. 1 and 6, 70 ft. N. and 22 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 6 B 1933"	894.000

2. FROM LIBERAL QUADRANGLE AT SEC. 12, T. 33 N., R. 33 W., EAST BY WAY OF HANNON TO SEC. 7, T. 33 N., R. 30 W. (by Cornish Beck in 1935)

	<u>Feet</u>
Hannon, cor. secs. 7, 12, 13, and 18, T. 33 N., Rs. 32 and 33 W., 21 ft. N. and 25 ft. W. from crossroads, on property of Hyrum York, in concrete post; standard tablet stamped "223 C W A 1934"	869.309
Hannon, 1 mi. E. of, cor. secs. 7, 8, 17, and 18, T. 33 N., R. 32 W., 52 ft. S. and 14 ft. E. from County Route A at crossroads, on W. end of concrete pipe culvert; chiseled square	883.78
Hannon, 2 mi. E. of, cor. secs. 8, 9, 16, and 17, T. 33 N., R. 32 W., 7 ft. N. and 37 ft. E. from crossroads, on head wall of concrete culvert; chiseled square	883.97
T. 33 N., R. 32 W., cor. secs. 9, 10, 15, and 16, 30 ft. S. and 22 ft. W. from crossroads, 12 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "213 C W A 1934"	898.247
T. 33 N., R. 32 W., cor. secs. 10, 11, 14, and 15, 8 ft. N. and 35 ft. W. from T-rd. W., on N. head wall of concrete culvert; chiseled square	917.42
T. 33 N., R. 32 W., cor. secs. 14, 15, 22, and 23, 19 ft. N. and 10 ft. W. from T-rd. N., on head wall of concrete culvert; chiseled square	894.72
T. 33 N., R. 32 W., cor. secs. 13, 14, 23, and 24, 27 ft. S. and 40 ft. E. from crossroads, in concrete post; standard tablet stamped "24 E C W A 1934"	903.808
T. 33 N., R. 32 W., E. cor. secs. 13 and 24, 24 ft. S. and 12 ft. W. from crossroads, on head wall of concrete culvert; chiseled square	933.83
T. 33 N., R. 31 W., near SE. cor. sec. 18, 37 ft. W. of T-rd. S., in root on S. side of 26-in. water-oak tree; copper nail and washer	884.80
Little Dry Wood Creek, under bridge; surface of water at 9 a.m. Nov. 1, 1935	825.3
Junction of rd. at Baker Grove School, 20 ft. N. and 15 ft. E. from; (mark not described)	889.2
T. 33 N., R. 31 W., cor. secs. 16, 17, 20, and 21, 21 ft. N. and 42 ft. W. from crossroads, 17 ft. W. of fence corner, in concrete post; standard tablet stamped "228 C W A 1934"	894.253
T. 33 N., R. 31 W., near NW. cor. sec. 16, 7 ft. S. and 35 ft. E. from rd. corner and private rd. NW., on head wall of concrete culvert; chiseled square	855.60
T. 33 N., R. 31 W., on line between secs. 9 and 16, 7 ft. N. and 12 ft. E. from T-rd. E., on top of sandstone boulder; (mark not described)	911.5
T. 33 N., R. 31 W., cor. secs. 9, 10, 15, and 16, 7 ft. N. and 21 ft. W. from crossroads, on N. end of concrete culvert; chiseled square	930.38
T. 33 N., R. 31 W., cor. secs. 10, 11, 14, and 15, 21 ft. N. and 24 ft. E. from crossroads, 3 ft. N. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "250 C W A 1934"	930.650
T. 33 N., R. 31 W., cor. secs. 11, 12, 13, and 14, 50 ft. W. of U.S. Highway 71, 23 ft. N. of rd., on top of right-of-way post; chiseled cross (elevation from first-order level line)	949.148
T. 33 N., R. 31 W., near NE. cor. sec. 13, 29 ft. S. of rd. W., 32 ft. W. of rd. S., in NE. side of transmission-line pole; spike	960.60

3. FROM HANNON NORTH INTO NEVADA QUADRANGLE AT SEC. 6, T. 34 N., R. 32 W. (by Cornish Beck in 1935)

T. 33 N., Rs. 32 and 33 W., cor. secs. 1, 6, 7, and 12, 18 ft. S. and 30 ft. W. from crossroads, in E. side of 24-in. cottonwood tree; copper nail and washer	872.00
Bridge; NE. corner of	829.3
Tps. 33 and 34 N., Rs. 32 and 33 W., cor. of, 10 ft. N. and 45 ft. E. from crossroads, on N. end of concrete drain pipe; chiseled square	879.88
T. 34 N., Rs. 32 and 33 W., cor. secs. 25, 30, 31, and 36, 20 ft. N. and 16 ft. E. from T-rd. E., in concrete post; standard tablet stamped "224 C W A 1934"	843.252
T. 34 N., Rs. 32 and 33 W., cor. secs. 19, 24, 25, and 30, 17 ft. N. and 10 ft. E. from crossroads, on concrete culvert; chiseled square	846.30
T. 34 N., Rs. 32 and 33 W., cor. secs. 13, 18, 19, and 24, 214 ft. S. and 8 ft. W. from crossroads, on W. head wall of concrete culvert; chiseled square	854.96
T. 34 N., Rs. 32 and 33 W., cor. secs. 7, 12, 13, and 18, 68 ft. S. and 24 ft. W. from crossroads, in concrete post; standard tablet stamped "240 C W A 1934"	905.429
T. 34 N., Rs. 32 and 33 W., cor. secs. 1, 6, 7, and 12, 39 ft. S. and 8 ft. W. from T-rd. W., on head wall of concrete culvert; chiseled square	885.72
T. 34 N., Rs. 32 and 33 W., about 1 mi. N. of S. cor. secs. 1 and 6, 15 ft. N. of rd. corner, in root on W. side of 18-in. hedge tree; copper nail and washer	981.98
T. 34 N., R. 32 W., 1 mi. S. and 0.2 mi. E. from NW. cor. sec. 6, at top of hill, 15 ft. S. and 39 ft. W. from T-rd. S., in root on NW. side of 18-in. catalpa tree; copper nail and washer	866.74

4. FROM JASPER QUADRANGLE AT SEC. 32, T. 32 N., R. 32 W., NORTHWEST INTO LIBERAL QUADRANGLE AT SEC. 31, T. 33 N., R. 32 W. (by C. N. Ackerman in 1935)

	<u>Feet</u>
Liberal, 2 mi. S. and 2 mi. E. from, cor. secs. 7, 8, 17, and 18, T. 32 N., R. 32 W., 19 ft. S. and 53 ft. E. from crossroads, in root on N. side of 30-in. elm tree; copper nail and washer	941.89
Liberal, 1 mi. S. and 2 mi. E. from, cor. secs. 5, 6, 7, and 8, T. 32 N., R. 32 W., 47 ft. N. and 50 ft. W. from State Highway 43 at E.-W. crossroad, in concrete post; standard tablet stamped "1202 C W A 1934"	927.434
Liberal, about 2 mi. E. of, along County Route K, N. cor. secs. 5 and 6, T. 32 N., R. 32 W., 25 ft. S. and 150 ft. W. from junction of County Route A, in root on N. side of 36-in. catalpa tree; copper nail and washer	915.25
Liberal, about 1 mi. E. of, along County Route K, approximate cor. Tps. 32 and 33 N., Rs. 32 and 33 W., 25 ft. N. and 16 ft. E. from crossroad, on top of concrete retaining wall; chiseled square	904.12

(Continued in Liberal quadrangle; see line 3.)

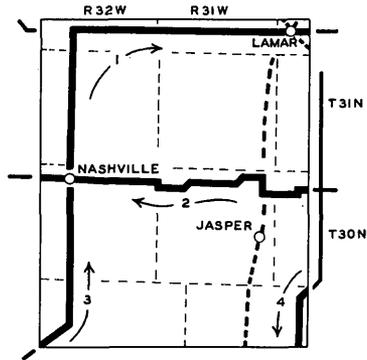
5. FROM SEC. 24, T. 33 N., R. 32 W., NORTH INTO NEVADA QUADRANGLE AT SEC. 2, T. 34 N., R. 32 W. (by A. R. Friend in 1936)

T. 33 N., R. 32 W., cor. secs. 11, 12, 13, and 14, 55 ft. S. and 15 ft. E. from T-rd. E., in root on W. side of twin 6-in. wild-cherry tree; copper nail and washer	943.43
School, near T-rd. W., on top of stone step; chiseled square	893.72
T. 33 N., R. 32 W., N. sixteenth cor. between secs. 11 and 12, 110 ft. S. and 5 ft. W. from T-rd. E., on W. head wall of concrete culvert; chiseled square	885.29
T. 34 N., R. 32 W., S. cor. secs. 35 and 36, 19 ft. S. of T-rd. N., 68 ft. W. of T-rd. S. at N. cor. secs. 1 and 2, T. 33 N., R. 32 W., 1 ft. S. of fence on Barton-Vernon county line, in concrete post; standard tablet stamped "T T 27 C 1936"	862.545
T. 34 N., R. 32 W., near N. sixteenth cor. sec. 36, 40 ft. S. and 20 ft. E. from ford across Little Dry Wood Creek, in notch on W. side of base of 30-in. soft-maple tree; copper nail and washer	812.06
T-rd. E., on top of rock ledge N. of rd.; chiseled square	844.60
T. 34 N., R. 32 W., cor. secs. 25, 30, 31, and 36, 42 ft. N. and 18 ft. W. from T-rd. N., in root on W. side of 6-in. wild-cherry tree; copper nail and washer	894.02
T. 34 N., R. 31 W., W. quarter cor. sec. 30, 40 ft. N. and 26 ft. E. from T-rd. E., 20 ft. N. and 6 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 26 C 1936"	869.356
T-rd. W., 15 ft. S. and 15 ft. E. from, E. of rd., in fence post; crossed nails	883.56
T. 34 N., Rs. 31 and 32 W., quarter cor. between secs. 19 and 24, 15 ft. N. and 20 ft. E. from T-rd. E., on N. end of concrete culvert; chiseled square	860.81
Junction of private rd. N., 60 ft. W. of, in root on E. side of 20-in. wild-cherry tree; crossed nails	873.20
T. 34 N., R. 32 W., near NE. cor. sec. 24, 20 ft. S. and 15 ft. W. from crossroads, on S. end of rock culvert; chiseled square	860.50
T. 34 N., R. 32 W., center of E 1/2 sec. 13, 30 ft. N. and 25 ft. W. from T-rd. S. and farm entrance N., 2 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 25 C 1936"	842.592
Bridge over Little Dry Wood Creek, on NW. concrete wing wall; chiseled square	799.85
T. 34 N., R. 32 W., E. sixteenth cor. sec. 14, 26 ft. N. and 18 ft. W. from crossroads, in pasture, in root on S. side of 26-in. elm tree; copper nail and washer	814.44
T. 34 N., R. 32 W., W. sixteenth cor. sec. 14, 40 ft. N. and 18 ft. E. from crossroads, in fence line, in top of 6-in. stump; copper nail and washer	848.89
T-rd. E., on top of iron brace in fence corner; chiseled square	829.53
T. 34 N., R. 32 W., near center sec. 11, at rd. fork S., on SE. wing wall of steel bridge over Prairie Flower Branch; chiseled square	791.43
T. 34 N., R. 32 W., 2 ft. S. of stone at center of NW 1/4 sec. 11, 16 ft. S. of T-rd. N., in fence corner, in concrete post; standard tablet stamped "T T 24 C 1936"	834.633
T. 34 N., R. 32 W., in SW 1/4 sec. 2, 50 ft. S. and 18 ft. E. from T-rd. W., in root on W. side of 12-in. catalpa tree; copper nail and washer	807.01
Crossroads, NE. of, in corner fence post; crossed nails	826.93
T. 34 N., R. 32 W., about 0.8 mi. S. and 0.2 mi. E. from N. cor. secs. 2 and 3, 20 ft. S. and 18 ft. E. from crossroads, in notch in base of telephone pole; copper nail and washer	827.51

For additional level lines along Missouri Pacific R.R. and St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey first-order line; Harrisonville to Monett; and second-order line, Cherokee, Kans. to Nichols, Mo.

JASPER QUADRANGLE  
(Latitude  $37^{\circ}15' - 37^{\circ}30'$ ; longitude  $94^{\circ}15' - 94^{\circ}30'$ )

Barton and Jasper Counties



1. FROM POINT ABOUT 1 MILE NORTH AND 0.4 MILE EAST FROM NASHVILLE NORTH ALONG STATE HIGHWAY 43 TO U.S. HIGHWAY 160, THENCE EAST ALONG U.S. HIGHWAY 160 INTO GOLDEN CITY QUADRANGLE (by C. N. Ackerman in 1935)

	<u>Feet</u>
Nashville, 1 mi. N. and 0.4 mi. E. from, 85 ft. N. and 85 ft. W. from crossroad, in root on SE. side of 14-in. maple tree; copper nail and washer	964.11
Nashville, 2 mi. N. of, 90 ft. N. and 45 ft. W. from crossroad, 5 ft. S. and 38 ft. E. from SE. corner of North Star School, on NE. corner of concrete platform of well; chiseled square	935.48
Nashville, 3 mi. N. of, cor. secs. 19, 20, 29, and 30, T. 31 N., R. 32 W., 43 ft. S. and 53 ft. E. from crossroad, in concrete post; standard tablet stamped "525 C W A 1934"	922.129
Nashville, 4 mi. N. of, 93 ft. S. and 30 ft. E. from crossroad, 8 ft. N. and 23 ft. W. from SW. corner of church, in root on NW. side of 26-in. wild-cherry tree; copper nail and washer	953.96
Nashville, 5 mi. N. of, 20 ft. S. and 95 ft. W. from crossroad, in root on NW. side of 14-in. catalpa tree; copper nail and washer	954.08
Nashville, 6 mi. N. of, cor. secs. 5, 6, 7, and 8, T. 31 N., R. 32 W., 56 ft. N. and 43 ft. W. from crossroad, in concrete post; standard tablet stamped "526 C W A 1934"	975.714
Nashville, 7 mi. N. of, S. cor. secs. 31 and 32, T. 32 N., R. 32 W., 260 ft. N. and 50 ft. W. from crossroad, in root on NE. side of 24-in. catalpa tree; copper nail and washer	986.14
Nashville, 8 mi. N. of, cor. secs. 29, 30, 31, and 32, T. 32 N., R. 32 W., 23 ft. S. and 114 ft. W. from crossroad, 93 ft. S. and 18 ft. W. from SW. corner of school, in root on NE. side of 15-in. catalpa tree; copper nail and washer	979.11
Nashville, 8.5 mi. N. of, quarter cor. between secs. 29 and 30, T. 32 N., R. 32 W., 54 ft. S. and 31 ft. E. from crossroad, in concrete post; standard tablet stamped "527 C W A 1934"	964.640
Lamar, 10.5 mi. W. of, quarter cor. between secs. 28 and 29, T. 32 N., R. 32 W., 40 ft. S. and 40 ft. W. from crossroad, on top of concrete right-of-way post; painted square	980.12
Lamar, 9.5 mi. W. of, quarter cor. between secs. 27 and 28, T. 32 N., R. 32 W., 40 ft. S. and 25 ft. W. from junction of rd. N., on top of concrete right-of-way post; painted square	972.39
Lamar, 8.5 mi. W. of, 43 ft. N. and 190 ft. W. from quarter cor. between secs. 26 and 27, T. 32 N., R. 32 W., 29 ft. S. and 12 ft. W. from SE. corner of Cross Roads School, in concrete post; standard tablet stamped "1207 C W A 1934"	973.547
Lamar, 7.5 mi. W. of, 25 ft. S. of highway at fences N. and S., on E. end of 15-in. concrete pipe; chiseled square	961.35
Lamar, 7 mi. W. of, 1.2 mi. S. of Iantha, center sec. 25, T. 32 N., R. 32 W., 32 ft. N. and 62 ft. E. from junction of County Route W, in concrete post; standard tablet stamped "1208 C W A 1934"	984.853
Lamar, 5.8 mi. W. of, 85 ft. S. and 15 ft. W. from highway at fence N., 2 ft. N. of fence corner, on top of concrete right-of-way post; painted square	978.66
Lamar, 5.5 mi. W. of, 44 ft. S. and 6 ft. W. from junction of rd. S., in root on NE. side of 30-in. elm tree; copper nail and washer	1,002.64
Lamar, 4.5 mi. W. of, 35 ft. S. and 66 ft. E. from junction of County Route Z, in concrete post; standard tablet stamped "1209 C W A 1934"	975.820
Lamar, 3.5 mi. W. of, 25 ft. N. and 10 ft. E. from crossroad, on top of E. head wall of concrete culvert; chiseled square	958.84
Lamar, 2.5 mi. W. of, 1 mi. W. of U.S. Highway 71, 30 ft. S. and 25 ft. E. from crossroad, on top of concrete right-of-way post; painted square	990.28

Lamar, 1.5 mi. W. of, 42 ft. S. and 163 ft. W. from junction of U.S. Highway 71, in concrete post; standard tablet stamped "1210 C W A 1934"	<u>Feet</u>
U.S.C. & G.S. standard disk stamped "A 107 1934"	975.571
U.S.C. & G.S. standard disk stamped "Z 106 1934"	941.258
Lamar meridian sta.; U.S.C. & G.S. standard disk	958.043
Lamar, at E. limits of, 35 ft. S. and 52 ft. W. from intersection of Hagny Street, in root on NE. side of 24-in. maple tree; copper nail and washer	957.980
	968.94

(Continued in Golden City quadrangle; see line 2.)

2. FROM GOLDEN CITY QUADRANGLE AT SEC. 6, T. 30 N., R. 30 W., WEST INTO PITTSBURG QUADRANGLE AT SEC. 7, T. 30 N., R. 32 W. (by C. N. Ackerman in 1935)	
(Continued from Golden City quadrangle; see line 3.)	
T. 30 N., R. 30 W., cor. secs. 5, 6, 7, and 8, 24 ft. N. and 7 ft. W. from crossroads, on top of W. head wall of concrete culvert; chiseled square	960.18
T. 30 N., R. 30 W., in NW 1/4 sec. 8, 85 ft. S. and 62 ft. W. from SW. corner of dwelling, 27 ft. E. of rd., 39 ft. S. and 6 ft. E. from fence corner, in concrete post; standard tablet stamped "209 C W A 1934"	939.698
T. 30 N., Rs. 30 and 31 W., approximate quarter cor. between secs. 7 and 12, 10 ft. N. and 18 ft. E. from T-rd. E., 60 ft. S. and 18 ft. E. from T-rd. W., on top of N. head wall of concrete culvert; chiseled square	929.79
T. 30 N., R. 31 W., quarter cor. between secs. 11 and 12, 15 ft. S. and 20 ft. E. from U.S. Highway 71 at rd. E., on top of S. head wall of concrete culvert; chiseled square	918.07
T. 30 N., R. 31 W., quarter cor. between secs. 1 and 2, 20 ft. S. and 72 ft. E. from U.S. Highway 71 at rd. W., 3 ft. S. of schoolyard fence, in concrete post; standard tablet stamped "508 C W A 1934"	930.324
T. 30 N., R. 31 W., quarter cor. between secs. 2 and 3, 12 ft. N. and 370 ft. E. from T-rd. S., on NE. corner of concrete floor of steel bridge over Muddy Creek; chiseled square	915.73
T. 30 N., R. 31 W., quarter cor. between secs. 3 and 4, 36 ft. N. and 8 ft. E. from crossroads, on top of E. head wall of concrete culvert; chiseled square	935.28
T. 30 N., R. 31 W., quarter cor. between secs. 4 and 9, 20 ft. N. and 154 ft. E. from rd. at N.-S. hedge, 105 ft. SE. of SE. corner of old dwelling, in concrete post; standard tablet stamped "309 C W A 1934"	933.754
T. 30 N., R. 31 W., quarter cor. between secs. 5 and 8, 20 ft. N. and 5 ft. E. from rd. at fence S. at entrance to cemetery, on concrete base at E. side of E. gatepost; chiseled square	961.61
T. 30 N., R. 31 W., N. sixteenth cor. sec. 7, 20 ft. N. and 7 ft. E. from rd. at hedge S. and fence N., in 5-in. stump; copper nail and washer	974.89
T. 30 N., R. 32 W., E. cor. secs. 1 and 12, 170 ft. S. and 30 ft. E. from SE. corner of Diamond School, 40 ft. N. and 46 ft. W. from crossroads, in concrete post; standard tablet stamped "509 C W A 1934"	981.382
T. 30 N., R. 32 W., cor. secs. 1, 2, 11, and 12, 20 ft. S. and 7 ft. E. from crossroads, on top of E. head wall of concrete culvert; chiseled square	981.32
T. 30 N., R. 32 W., cor. secs. 2, 3, 10, and 11, 31 ft. N. and 22 ft. E. from crossroads, in root on W. side of twin 36-in. maple tree; copper nail and washer	981.27
T. 30 N., R. 32 W., cor. secs. 3, 4, 9, and 10, 34 ft. N. and 38 ft. E. from crossroads, in concrete post; standard tablet stamped "521 C W A 1934"	971.645
T. 30 N., R. 32 W., cor. secs. 4, 5, 8, and 9, 30 ft. S. and 178 ft. E. from crossroads, in root on NE. side of 14-in. maple tree; copper nail and washer	962.50
T. 30 N., R. 32 W., cor. secs. 5, 6, 7, and 8, 30 ft. S. and 70 ft. E. from State Highway 43 at E.-W. crossroad, on top of right-of-way post; painted square	958.21
Nashville, about 0.3 mi. W. of, W. cor. secs. 6 and 7, T. 30 N., R. 32 W., about 480 ft. E. of crossroads, 75 ft. N. and 20 ft. E. from NE. corner of dwelling, 2 ft. E. of fence, in concrete post; standard tablet stamped "409 C W A 1934"	959.905

(Continued in Pittsburg quadrangle; see line 1.)

3. FROM CARTHAGE NO. 3 QUADRANGLE NORTH ALONG STATE HIGHWAY 43 TO NASHVILLE (by A. R. Friend in 1936)	
(Continued from Galena quadrangle; see line 5.)	
T. 29 N., R. 33 W., cor. secs. 1, 2, 11, and 12, 15 ft. N. and 120 ft. E. from E.-W. crossroad, at fence corner, on concrete base of fence post; chiseled square	893.51
T. 29 N., R. 33 W., 1.2 mi. N. of cor. secs. 1, 2, 11, and 12, 35 ft. N. and 40 ft. E. from E.-W. crossroad, in top of stump; copper nail and washer	920.74
T. 29 N., R. 33 W., about 2 mi. N. of S. cor. secs. 1 and 2, about 0.2 mi. N. of S. end of bridge over North Fork Spring River, 31 ft. N. and 97 ft. E. from View Bank School, in concrete post; standard tablet stamped "1205 C W A 1934"	883.607
Crossroad, SW. of, in NE. corner of farmyard, in root on E. side of 12-in. maple tree; crossed nails	888.68

T. 30 N., R. 32 W., S. cor. secs. 31 and 32, 25 ft. N. and 70 ft. W. from E.-W. crossroad, in root on SE. side of 14-in. hedge tree; copper nail and washer	<u>Feet</u> 908.22
T. 30 N., R. 32 W., cor. secs. 29, 30, 31, and 32, 33 ft. S. and 15 ft. W. from E.-W. crossroad, on W. rock head wall of culvert; chiseled square	927.37
Sailor triangulation sta.; U.S.C. & G.S. standard disk stamped "Sailor 1935"	971.688
T. 30 N., R. 32 W., cor. secs. 19, 20, 29, and 30, at junction of County Route H, on S. end of concrete base of gasoline pump; chiseled square	968.75
Junction of rd. W., on top of large rock; chiseled square	924.59
T. 30 N., R. 32 W., cor. secs. 17, 18, 19, and 20, 57 ft. N. and 37 ft. E. from junction of County Route H, in concrete post; standard tablet stamped "1206 C W A 1934"	944.202
T. 30 N., R. 32 W., cor. secs. 7, 8, 17, and 18, 42 ft. N. and 15 ft. E. from E.-W. crossroad on Barton-Jasper county line, on top of rock ledge; chiseled square	934.66
Nashville, at S. edge of, at crossroads, on S. head wall of concrete culvert; chiseled square	954.69
4. FROM GOLDEN CITY QUADRANGLE AT SEC. 6, T. 29 N., R. 30 W., SOUTH INTO CARTHAGE NO. 3 QUADRANGLE AT SEC. 1, T. 29 N., R. 31 W. (by A. R. Friend in 1936) (Continued from Golden City quadrangle; see line 5.)	
T. 29 N., Rs. 30 and 31 W., N. cor. secs. 1 and 6, 90 ft. S. and 23 ft. W. from T-rd. S., in concrete post; standard tablet stamped "1211 C W A 1934"	1,010.919
T-rd. E., W. of, in fence line, in top of stump; crossed nails	1,029.15
T. 29 N., Rs. 30 and 31 W., about 0.8 mi. S. of N. cor. secs. 1 and 6, 15 ft. N. and 9 ft. W. from T-rd. W., on W. end of concrete culvert; chiseled square	1,017.65
T. 29 N., Rs. 30 and 31 W., about 1 mi. N. of S. cor. secs. 1 and 6, 100 ft. S. and 15 ft. E. from T-rd. W., 9 ft. N. and 15 ft. E. from T-rd. E., on N. end of concrete culvert; chiseled square	992.88
T. 29 N., Rs. 30 and 31 W., about 0.1 mi. N. of S. cor. secs. 1 and 6, on top of NW. corner of concrete bridge over creek; chiseled square	939.51
For additional level lines along Missouri Pacific R.R. and St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey first-order line, Harrisonville to Monett; and second-order line, Cherokee, Kans. to Nichols, Mo.	



	<u>Feet</u>
T. 27 N., Rs. 32 and 33 W., on line between secs. 1 and 6, Missouri Pacific R.R. at rd. crossing; top of S. rail	987.9
T. 27 N., Rs. 32 and 33 W., on line between secs. 1 and 6, at NE. corner of cemetery, at T-rd. W.; surface of rd.	1,033.2
T. 27 N., R. 33 W., near E. quarter cor. sec. 1, 140 ft. S. and 60 ft. W. from T-rd. W., at SE. corner of Forest Park Baptist Church, in concrete step; standard tablet stamped "8 H 1935"	1,039.570
Joplin, 66 ft. S. and 60 ft. E. from State Highway 38 at East Seventh Street, at NW. corner of stucco filling sta., in top of concrete curb; standard tablet stamped "9 H 1935"	1,059.207
Joplin, State Highway 38 (East Seventh Street) at N.-S. crossroad; surface of highway	1,063.5
Joplin, State Highway 38 (East Seventh Street) at Missouri Pacific R.R.; top of E. rail	1,039.1
Joplin, at NE. corner of Seventh Street and Florida Avenue, at SE. corner of brick building, in concrete sidewalk; standard tablet stamped "10 H 1935"	1,051.183

(Continued in Galena quadrangle; see line 3.)

3. FROM KANSAS CITY SOUTHERN RAILWAY AT POINT 3.8 MILES SOUTH OF JOPLIN NORTH ABOUT 2 MILES (by O. F. Hodgdon in 1935)

U.S.C. & G.S. standard disk stamped "U 47 1934"	1,041.789
T. 27 N., R. 32 W., on line between secs. 18 and 19, on Jasper-Newton county line, Kansas City Southern Ry. at E.-W. rd. crossing; top of E. rail	1,042.6
T. 27 N., Rs. 32 and 33 W., on line between secs. 13 and 18, Kansas City Southern Ry. at rd. crossing; top of S. rail	1,040.6
T. 27 N., R. 33 W., E. quarter cor. sec. 13, 189 ft. S. and 45 ft. W. from, 173 ft. S. and 45 ft. W. from concrete culvert, in concrete post; standard tablet stamped "29 H 1935"	1,041.630
Joplin, junction of Twentieth Street W. and N.-S. crossroad; surface of rd.	1,036.7
Joplin, 66 ft. N. and 49 ft. W. from Twentieth Street W. at N.-S. rd. on range line, in concrete post; standard tablet stamped "28 H 1935"	1,036.252
Joplin, 30 ft. N. and 44 ft. E. from Thirteenth Street at N.-S. rd. on range line, in concrete post; standard tablet stamped "27 H 1935"	1,071.021
Joplin, at E. limits of, 21 ft. N. and 3 ft. E. from center sec. 7,	
T. 27 N., R. 32 W., 50 ft. S. and 70 ft. W. from stone dwelling of Clyde Bennett, in concrete post; standard tablet stamped "26 H 1935"	1,075.056
Joplin, 58 ft. S. and 22 ft. W. from Seventh Street at street S., in concrete post; standard tablet stamped "25 H 1935"	1,038.613

4. FROM KANSAS CITY SOUTHERN RAILWAY AT POINT 3.8 MILES SOUTH OF JOPLIN WEST INTO GALENA QUADRANGLE (by O. F. Hodgdon in 1935)

Thirty-second Street W. at N.-S. rd. on range line; surface of rd.	1,046.3
Joplin, 108 ft. S. of Thirty-second Street on Jasper-Newton county line, 49 ft. W. of U.S. Highway 71, in N. end of concrete foundation of gasoline pump; standard tablet stamped "30 H 1935"	1,047.727

(Continued in Galena quadrangle; see line 4.)

5. FROM DUENWEG WEST ALONG STATE HIGHWAY 38 TO SEC. 7, T. 27 N., R. 32 W. (by O. F. Hodgdon in 1935)

Duenweg, cor. secs. 3, 4, 9, and 10, T. 27 N., R. 32 W., 0.5 mi. W. of hotel, NW. of crossroad, at fence corner; iron post stamped "1075 Crthg" (Reset 10 ft. N. and 35 ft. W. from above described location May 24, 1933 by State Highway Department. Given elevation is for new location.)	1,071.929
Reference mark, 15 ft. S. and 40 ft. W. from post, on top of N. head wall of concrete culvert; chiseled square	1,061.66
Turkey Creek, under bridge J-427; surface of water at 8:50 a. m. July 23, 1935	995.7
T. 27 N., R. 32 W., about 370 ft. E. of quarter cor. between secs. 5 and 8, on top of concrete abutment at SW. corner of bridge J-427 over Turkey Creek, in chiseled square; chiseled cross	1,008.61
Junction of crossroad; surface of highway	1,024.0
T. 27 N., R. 32 W., cor. secs. 5, 6, 7, and 8, 64 ft. S. and 97 ft. W. from, on concrete step to door of filling sta.; chiseled square	1,028.91

6. FROM WEBB CITY SOUTH ALONG U.S. HIGHWAY 66 TO SEC. 31, T. 28 N., R. 32 W. (by O. F. Hodgdon in 1935)

Webb City, SW. of intersection of Allen and Main Streets; surface of street	996.6
Webb City, at intersection of West Broadway and South Jefferson Streets (Junction of U.S. Highway 66 and County Route Y to W.); surface of street	994.7
Webb City, at intersection of West Fourth and South Jefferson Streets; surface of street	973.1
Webb City, 126 ft. S. and 15 ft. W. from intersection of West Fourth and South Jefferson Streets, on top of concrete curb; chiseled square	974.43
T. 28 N., R. 33 W., about 335 ft. S. of S. sixteenth cor. on E. line sec. 24, at S. end of curve in highway; surface of highway	1,019.3

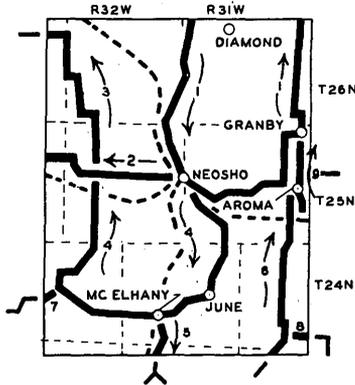
Junction of rd. W., at SE. corner of Mount Hope Cemetery; surface of highway  
 Mount Hope Cemetery, at W. side of main entrance gate; top of concrete post

Feet  
 1,042.3  
 1,045.73

For additional level lines along Missouri Pacific R.R., St. Louis-San Francisco Ry., and Kansas City Southern Ry., refer to United States Coast and Geodetic Survey first-order lines, Harrisonville to Monett and Medford, Okla. to Carthage, Mo.; and second-order line, Sallisaw, Okla. to Gulfton, Mo.

NEOSHO QUADRANGLE  
 (Latitude 36°45'-37°00'; longitude 94°15'-94°30')

McDonald and Newton Counties



1. FROM CARTHAGE NO. 3 QUADRANGLE AT SEC. 1, T. 26 N., R. 32 W., SOUTH TO NEOSHO, THENCE EAST TO SEC. 19, T. 25 N., R. 30 W., THENCE NORTH INTO CARTHAGE NO. 3 QUADRANGLE AT SEC. 6, T. 26 N., R. 30 W. (by George W. Lucas in 1914)

Diamond, about 3 mi. W. of, 15 ft. S. and 20 ft. W. from W. cor. secs. 6 and 7, T. 26 N., R. 31 W., 15 ft. N. and 20 ft. W. from E. cor. secs. 1 and 12, T. 26 N., R. 32 W., inside fence corner; iron post stamped "Prim Trav Sta No 4 1914 Mo 1078"	1,075.878
T. 26 N., R. 31 W., W. cor. secs. 7 and 18, 50 ft. SW. of crossroads, 20 ft. N. of Carver Branch, in base of 20-in. oak tree; copper nail	1,013.86
T. 26 N., R. 32 W., E. cor. secs. 13 and 24, 70 ft. NW. of T-rd. W., 170 ft. NE. of dwelling, in root of 10-in. oak tree; copper nail	1,085.84
T. 26 N., R. 32 W., near E. sixteenth cor. sec. 25, at entrance to Bryden School, in bottom step; standard tablet stamped "1914 Mo 1007"	1,005.182
T. 26 N., R. 32 W., 0.3 mi. W. of E. cor. secs. 25 and 36, 0.3 mi. E. of Kansas City Southern Ry., NW. of crossroads, in 30-in. walnut tree; copper nail	976.28
T. 26 N., R. 32 W., in SE 1/4 sec. 36, SE. of T-rd. E., in limestone out-crop; standard tablet stamped "Mo 986"	983.699
Neosho, 2.9 mi. N. of, in NE 1/4 sec. 12, T. 25 N., R. 32 W., 70 ft. W. of dwelling owned by Mrs. Kate Davis, in root of 20-in. walnut tree; copper nail	980.15
Neosho, 1.9 mi. N. of, in SW 1/4 sec. 7, T. 25 N., R. 31 W., 300 ft. S. of Shoal Creek, 50 ft. NE. of rd. forks, in base of 24-in. sycamore tree; copper nail	982.75
Neosho, 1.4 mi. N. of, about 600 ft. E. of W. quarter cor. sec. 18, T. 25 N., R. 31 W., 100 ft. NW. of dwelling, NE. of T-rd. W., in root of 30-in. oak tree; copper nail	992.43
Neosho, 46 ft. S. of courthouse, 31 ft. SE. of public well; iron post stamped "Mo 1039"	1,056.671
T. 25 N., R. 31 W., N. sixteenth cor. between secs. 21 and 22, NE. of T-rd. E.; iron post stamped "Mo 1230"	1,227.939
T. 25 N., R. 31 W., cor. secs. 13, 14, 23, and 24, NE. of crossroads, on top of 1- by 2- by 2-ft. boulder; chiseled cross	1,216.93
Granby, about 3 mi. S. of, along County Route H, cor. secs. 13, 18, 19, and 24, T. 25 N., Rs. 30 and 31 W., 70 ft. S. and 180 ft. E. from junction of State Highway 97; iron post stamped "Prim Trav Sta No 2 1914 Mo 1207"	1,204.879
T. 25 N., Rs. 30 and 31 W., S. sixteenth cor. between secs. 1 and 6, 50 ft. NW. of dwelling, 30 ft. E. of rd. forks, 3 ft. inside of fence, in root of 10-in. oak tree; copper nail and washer	1,192.76
Granby, on Main Street, in S. column of Club Theatre; iron post (column built over iron post) stamped "Mo 1142"	1,139.802

Granby, 1.1 mi. N. of, near N. sixteenth cor. between secs. 31 and 36, T. 26 N., Rs. 30 and 31 W., near St. Louis-San Francisco Ry. at rd. crossing, 20 ft. E. of track, 10 ft. S. of rd., in base of warning post; copper nail and washer	<u>Feet</u> 1,047.62
T. 26 N., Rs. 30 and 31 W., cor. secs. 13, 18, 19, and 24, NW of crossroads; iron post stamped "Mo 1184"	1,181.322

2. FROM NEOSHO WEST INTO SENECA QUADRANGLE AT SEC. 14, T. 25 N., R. 33 W. (by George W. Lucas in 1914)

T. 25 N., R. 32 W., cor. secs. 13, 14, 23, and 24, NE. of crossroads, in root of 20-in. oak tree; copper nail and washer	1,183.62
T. 25 N., R. 32 W., cor. secs. 14, 15, 22, and 23, NE. of crossroads, iron post stamped "1914 Mo 1226"	1,222.726
T. 25 N., R. 32 W., quarter cor. between secs. 17 and 20, NE. of T-rd. S.; iron post stamped "1914 Mo 1161"	1,157.864
T. 25 N., R. 32 W., quarter cor. between secs. 17 and 18, 70 ft. SW. of crossroads, in root of 30-in. oak tree; copper nail and washer	1,139.10
T. 25 N., R. 33 W., near center sec. 13, 300 ft. S. of rd., in NE. guard-rail of bridge 3175 on St. Louis-San Francisco Ry.; copper nail and washer	1,011.40

3. FROM SEC. 17, T. 25 N., R. 32 W., NORTHWEST INTO SENECA QUADRANGLE AT SEC. 11, T. 26 N., R. 33 W. (by George W. Lucas in 1914)

T. 25 N., R. 32 W., near N. quarter cor. sec. 5, 150 ft. SE. of farmhouse of F. L. Stein, in NW. corner of concrete water tank; standard tablet stamped "Mo 1104"	1,101.152
T. 25 N., R. 32 W., N. quarter cor. sec. 6, SE. of crossroads, on top of corner stone; chiseled square	1,110.02
Spurgeon, quarter cor. between secs. 30 and 31, T. 26 N., R. 32 W., 80 ft. S. of crossroads, 15 ft. W. of Methodist Episcopal Church, E. of rd., in root of 24-in. oak tree; copper nail and washer	1,060.06
T. 26 N., R. 32 W., quarter cor. between secs. 19 and 30, NE. of crossroads; iron post stamped "Mo 1118"	1,114.836
T. 26 N., Rs. 32 and 33 W., cor. secs. 13, 18, 19, and 24, 200 ft. SE. of Blackjack School, SE. of T-rd. E., in root of 10-in. oak tree; copper nail and washer	1,135.43
T. 26 N., R. 33 W., in SW 1/4 sec. 12, 60 ft. SE. of rd. forks; iron post stamped "Mo 998"	995.425

(Continued in Seneca quadrangle; see line 2.)

4. FROM NEOSHO SOUTH TO McELHANY, THENCE WEST TO SEC. 15, T. 24 N., R. 33 W., THENCE NORTHEAST TO SEC. 17, T. 25 N., R. 32 W. (by George W. Lucas in 1914)

T. 25 N., R. 31 W., near S. sixteenth cor. between secs. 32 and 33, 90 ft. SE. of dwelling, SE. of T-rd. W., 13 ft. N. of 10-in. hickory tree; iron post stamped "Mo 1174"	1,171.888
T. 24 N., R. 32 W., cor. secs. 11, 12, 13, and 14, 50 ft. SE. of crossroads, in root of 12-in. oak tree; copper nail and washer	1,256.26
T. 24 N., R. 32 W., cor. secs. 13, 14, 23, and 24, NW. of T-rd. N., in root of 30-in. oak tree; copper nail and washer	1,268.04
June, cor. secs. 14, 15, 22, and 23, T. 24 N., R. 32 W., NE. of crossroads, 60 ft. E. of store; iron post stamped "Mo 1286"	1,283.734
T. 24 N., R. 32 W., cor. secs. 15, 16, 21, and 22, 100 ft. NE. of Liberty Church, SW. of crossroads, in root of 14-in. oak tree; copper nail and washer	1,249.57
McElhany, cor. secs. 20, 21, 28, and 29, T. 24 N., R. 32 W., NE. of crossroads, 70 ft. NE. of store; iron post stamped "Mo 1251"	1,248.948
T. 24 N., R. 33 W., E. sixteenth cor. between secs. 23 and 26, 300 ft. SE. of dwelling, SE. of T-rd. N.; iron post stamped "Mo 1208"	1,205.192
T. 24 N., R. 33 W., about 0.1 mi. N. of center sec. 22, 200 ft. SW. of dwelling, 80 ft. NE. of rd. forks, W. of rd., in root of 20-in. oak tree; copper nail and washer	1,152.18
T. 24 N., R. 33 W., in SE 1/4 sec. 16, 800 ft. E. of T-rd. E., N. of rd., in root of 36-in. oak tree; copper nail and washer	1,069.56
Dessa, 1.4 mi. E., thence 1.7 mi. NE. from, along Sweency rd., in NW 1/4 sec. 15, T. 24 N., R. 33 W., 20 ft. NW. of ford across Buffalo Creek, 2 ft. above big spring, in limestone outcrop; standard tablet stamped "Mo 1015"	1,012.180
T. 24 N., R. 33 W., in SE 1/4 sec. 10, 150 ft. N. of Regan School, 50 ft. S. of rd., in root of 20-in. oak tree; copper nail and washer	1,056.93
T. 24 N., R. 33 W., N. sixteenth cor. sec. 11, NE. of T-rd. E., in root of 12-in. oak tree; copper nail and washer	1,136.99
T. 25 N., R. 32 W., S. quarter cor. sec. 32, S. of rd. corner W.-N.; iron post stamped "Mo 1136"	1,133.530
T. 25 N., R. 32 W., quarter cor. between secs. 20 and 29, 50 ft. NE. of Belfast Baptist Church, 150 ft. N. of crossroads, in root of 24-in. oak tree; copper nail	1,133.22

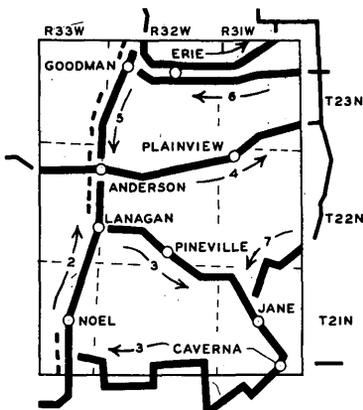
5. FROM McELHANY SOUTH INTO NOEL QUADRANGLE AT SEC. 4, T. 23 N., R. 32 W. (by George W. Lucas in 1914)
- T. 24 N., R. 32 W., cor. secs. 28, 29, 32, and 33, 50 ft. SW. of crossroads, 50 ft. NE. of dwelling, in root of 10-in. walnut tree; copper nail and washer Feet  
1,224.92
- T. 24 N., R. 32 W., S. cor. secs. 32 and 33, on McDonald-Newton county line, NE. of crossroads, in root of 10-in. hickory tree; copper nail and washer 1,211.68
- (Continued in Noel quadrangle; see line 1.)
6. FROM NOEL QUADRANGLE AT SEC. 4, T. 23 N., R. 31 W., NORTH TO SEC. 19, T. 25 N., R. 30 W. (by George W. Lucas in 1914)  
(Continued from Noel quadrangle; see line 1.)
- McNatt, 2.6 mi. NE. of, 200 ft. S. of Oakgrove School, 10 ft. N. of rd. forks, in root of 20-in. oak tree; copper nail and washer 1,042.13
- T. 24 N., R. 31 W., about 0.4 mi. S. of cor. secs. 27, 28, 33, and 34, 200 ft. E. of Ford across Indian Creek, opposite T-rd. N.; iron post stamped "Prim Trav Sta No 5 1914 Mo 1038" 1,035.830
- T. 24 N., R. 31 W., in SE 1/4 sec. 22, 200 ft. S. of large dwelling, SE. of turn in rd. SW.-E., in root of 24-in. oak tree; copper nail and washer 1,061.99
- T. 24 N., R. 31 W., cor. secs. 15, 16, 21, and 22, 100 ft. S. of T-rd. N.; iron post stamped "Mo 1193" 1,190.216
- T. 24 N., R. 31 W., cor. secs. 9, 10, 15, and 16, 50 ft. S. of crossroads, 60 ft. NE. of dwelling, W. of rd., in root of 16-in. oak tree; copper nail and washer 1,239.01
- Sweetwater, NW. cor. sec. 10, T. 24 N., R. 31 W., SE. corner of crossroads, 102 ft. S. and 62 ft. E. from store; standard tablet stamped "Mo 1271" (as reset by State Highway Dept. in 1938) 1,270.102
- T. 25 N., Rs. 30 and 31 W., cor. secs. 25, 30, 31, and 36, SW. of crossroads, in root of 18-in. oak tree; copper nail and washer 1,253.47
- Aroma, cor. secs. 19, 24, 25, and 30, T. 25 N., Rs. 30 and 31 W., 150 ft. SW. of church, 40 ft. NW. of crossroads, in root of 16-in. oak tree; copper nail and washer 1,226.12
7. FROM SENECA QUADRANGLE AT SEC. 21, T. 24 N., R. 33 W., EAST TO SEC. 15, T. 24 N., R. 33 W. (by O. F. Hodgdon in 1935)  
(Continued from Seneca quadrangle; see line 3.)
- Dessa, 1.4 mi. E. of, in NW 1/4 sec. 21, T. 24 N., R. 33 W., 8 ft. N. and 16 ft. W. from NW. corner of dwelling of B. F. Sweeney, at T-rd. N., on top of concrete well platform; chiseled square 989.64
- Concrete culvert, on top of W. head wall; chiseled square 1,010.59
- T. 24 N., R. 33 W., in NE 1/4 sec. 16, on Sweeney rd., 27 ft. N. and 96 ft. E. from dwelling, 15 ft. N. of rd., in root on S. side of 15-in. walnut tree; copper nail and washer 1,004.41
- Dessa, 1.4 mi. E., thence 1.7 mi. NE. from, along Sweeney rd., in NW 1/4 sec. 15, T. 24 N., R. 33 W., 20 ft. NW. of ford across Buffalo Creek, 2 ft. above big spring, in limestone outcrop; standard tablet stamped "Mo 1015" 1,012.180
- Reference mark, 2 ft. SW. of tablet, on limestone ledge; chiseled square 1,012.14
8. FROM RITCHEY QUADRANGLE AT SEC. 35, T. 24 N., R. 31 W., WEST TO SEC. 35, T. 24 N., R. 31 W. (by O. F. Hodgdon in 1935)  
(Continued from Ritchey quadrangle; see line 1.)
- T. 24 N., R. 31 W., about 0.4 mi. S. of cor. secs. 27, 28, 33, and 34, 200 ft. E. of ford across Indian Creek, opposite T-rd. N.; iron post stamped "Prim Trav Sta No 5 1914 Mo 1038" 1,035.384
- Reference mark, 32 ft. N. and 29 ft. E. from post, in root on SE. side of 20-in. walnut tree; copper nail and washer 1,036.41
9. FROM MISSOURI AND NORTH ARKANSAS RAILWAY AT POINT 7.5 MILES EAST OF NEOSHO, NORTH ALONG COUNTY ROUTE H TO GRANBY (by R. W. Mattox in 1936)
- U.S.C. & G.S. standard disk stamped "X 108 1935" 1,255.214
- Aroma, cor. secs. 19, 24, 25, and 30, T. 25 N., Rs. 30 and 31 W., 50 ft. N. and 100 ft. W. from E.-W. crossroad, in root on E. side of 20-in. oak tree; copper nail and washer 1,226.23
- Granby, about 3 mi. S. of, cor. secs. 13, 18, 19, and 24, T. 25 N., Rs. 30 and 31 W., 70 ft. S. and 180 ft. E. from junction of State Highway 97; iron post stamped "Prim Trav Sta No 2 1914 Mo 1207" 1,204.997
- Reference mark, 180 ft. W. of post, on top of E. head wall of concrete culvert; chiseled square 1,203.79
- Granby, about 2 mi. S. of, cor. secs. 7, 12, 13, and 18, T. 25 N., Rs. 30 and 31 W., 400 ft. N. and 30 ft. W. from E.-W. crossroad, 15 ft. S. and 30 ft. E. from dwelling, in root on E. side of 8-in. maple tree; copper nail and washer 1,185.17
- Granby, 0.8 mi. S. of, near S. sixteenth cor. between secs. 1 and 6, T. 25 N., Rs. 30 and 31 W., 35 ft. N. and 100 ft. W. from E.-W. crossroad, in root on NE. side of 10-in. maple tree; copper nail and washer 1,195.20

Granby, 0.8 mi. W. of, near N. sixteenth cor. between secs. 1 and 6, T. 25 N., R. 30 and 31 W., 70 ft. N. and 70 ft. E. from junction of U.S. Highway 60, in root on S. side of 12-in. oak tree; copper nail and washer

Feet  
1,178.43

For additional level lines along St. Louis-San Francisco Ry., Kansas City Southern Ry., and Missouri and North Arkansas Ry., refer to United States Coast and Geodetic Survey second-order lines, Sallisaw, Okla. to Gulfton, Mo.; Neosho to Gravette, Ark.; and Wayne to Neosho.

NOEL QUADRANGLE  
(Latitude  $36^{\circ}30' - 36^{\circ}45'$ ; longitude  $94^{\circ}15' - 94^{\circ}30'$ )  
McDonald County



1. FROM NEOSHO QUADRANGLE AT SEC. 4, T. 23 N., R. 32 W., EAST BY WAY OF ERIE AND McNATT INTO NEOSHO QUADRANGLE AT SEC. 4, T. 23 N., R. 31 W. (by George W. Lucas in 1914)  
(Continued from Neosho quadrangle; see line 5.)

Goodman, 0.5 mi. NE. of, cor. secs. 4, 5, 8, and 9, T. 23 N., R. 32 W., 100 ft. NW. of Kansas City Southern Ry. track, NW. of crossroads; iron post stamped "Mo 1246"	1,243.212
Goodman, about 1.2 mi. E. of, 100 ft. N. of quarter cor. between secs. 9 and 10, T. 23 N., R. 32 W., 50 ft. W. of dwelling, N. of rd., in root of 20-in. oak tree; copper nail and washer	1,193.56
Erie, near cor. secs. 10, 11, 14, and 15, T. 23 N., R. 32 W., 20 ft. N. and 35 (? 30) ft. W. from T-rd., E., 7 ft. W. of fence corner; iron post stamped "Prim Trav Sta No 6 1914 Mo."	1,027.080
Erie, 1 mi. E. of, N. of Indian Creek, SW. of T-rd. S., in root of black-oak tree; copper nail and washer	978.89
McNatt, in sec. 7, T. 23 N., R. 31 W., in base of SE. abutment of bridge over Indian Creek; standard tablet stamped "Mo 994"	992.000
McNatt, 1.1 mi. NE. of, 50 ft. NE. of ford across Indian Creek, S. of rd., in root of 24-in. sycamore tree; copper nail and washer	998.88

(Continued in Neosho quadrangle; see line 6.)

2. FROM ROW QUADRANGLE AT SEC. 15, T. 21 N., R. 33 W., NORTH ALONG U.S. HIGHWAY 71 TO ANDERSON, INCLUDING THAT PART OF THE LINE IN PAYETTEVILLE NO. 2 QUADRANGLE, ARKANSAS (by O. F. Hodgdon in 1935)  
(Continued from South West City quadrangle; see line 3.)

Sulphur Springs, Ark., about 0.6 mi. NW. of, 45 ft. S. and 80 ft. E. from E.-W. crossroad, 100 ft. S. and 250 ft. W. from dwelling on property of George Edwards, in concrete post; standard tablet stamped "1345 C W A 1935"	911.075
Reference mark, 610 ft. NW. of tablet, on SE. wing wall of bridge over Chalybeate Creek; chiseled square	884.24
Noel, about 2.9 mi. S. of, on W. head wall of concrete culvert; chiseled square	877.20
Noel, about 2.4 mi. S. of, 200 ft. N. and 45 ft. E. from junction of rd. E., on S. end of foundation of gasoline pump; chiseled square	866.14
Noel, about 1.5 mi. S. of, 800 ft. NE. of Bluff Dwellers Cave, 14 ft. W. of highway, on W. head wall of concrete culvert; chiseled square	834.81
Noel, 1.5 mi. S. of, 15 ft. S. and 9 ft. W. from SW. corner of stone building at N. entrance to Bluff Dwellers Cave, 420 ft. W. of highway, in top of limestone monument; standard tablet	876.846
Noel, about 1 mi. S. of, 14 ft. W. of highway, 15 ft. N. of rd. W., on W. head wall of concrete culvert; chiseled square	874.71

	<u>Feet</u>
Noel, 0.5 mi. S. of, 170 ft. N. of filling sta., 15 ft. N. and 45 ft. W. from highway at fence W., in NE. corner of field of C. H. Perry, in concrete post; standard tablet stamped "1346 C W A 1935"	832.046
Reference mark, 185 ft. S. and 73 ft. E. from tablet, on N. end of foundation of gasoline pump; chiseled square	832.84
Noel, 15 ft. N. and 80 ft. E. from junction of State Highway 90, on top of NW. concrete abutment of bridge over Butler Creek; chiseled square	817.16
Noel, 193 ft. NE. of Kansas City Southern Ry. sta., 22 ft. E. of main track, in concrete post; U.S.C. & G.S. standard disk stamped "B 108 1935"	826.993
Reference mark, 374 ft. NE. of disk, 36 ft. E. of track, at SW. corner of brick post office, W. of stairway entrance, on concrete sidewalk; chiseled square	827.22
Noel, about 0.3 mi. NW. of, 110 ft. N. and 14 ft. W. from junction of State Highway 90, on SW. concrete abutment wall of bridge C-776 over Elk River; chiseled square	823.62
Noel, about 0.8 mi. N. of, 155 ft. E. of rd. N., on N. head wall of concrete culvert; chiseled square	824.07
Noel, about 1.4 mi. NE. of, 1.1 mi. NE. of bridge C-776, on top of W. head wall of concrete culvert; chiseled square	809.98
Noel, about 2 mi. NE. of, on E. head wall of concrete culvert; chiseled square	832.24
Noel, about 2.3 mi. NE. of, 60 ft. S. and 130 ft. E. from mouth of Mount Shira Cave, about 900 ft. S. of dwelling of Tom Walker, 2 ft. N. and 42 ft. E. from highway at fence E., in concrete post; standard tablet stamped "1347 C W A 1935"	841.158
Reference mark, 265 ft. S. and 19 ft. W. from tablet, on E. head wall of concrete culvert; chiseled square	841.08
Noel, about 2.7 mi. NE. of, on E. head wall of concrete culvert; chiseled square	849.52
Noel, about 3.2 mi. NE. of, 18 ft. N. and 25 ft. E. from NE. corner of Mount Shira office building, on W. head wall of concrete culvert; chiseled square	833.82
Noel, about 3.6 mi. NE. of, 40 ft. W. of highway, on S. end of concrete foundation of gasoline pump; chiseled square	845.42
Noel, about 4 mi. NE. of, 20 ft. N. and 30 ft. E. from junction of rd. E., in root on SW. side of 15-in. post-oak stump; nail and washer	891.23
Noel, about 4.4 mi. NE. of, 0.5 mi. SW. of Lanagan, 47 ft. W. of highway, in root on SE. side of twin white-oak tree; copper nail and washer	1,066.02
Lanagan, in SW. part of, 63 ft. NW. of highway, 25 ft. S. of rd. W., in root on S. side of 10-in. red-oak tree; nail and washer	976.31
Lanagan, 175 ft. N. of highway, 22 ft. S. and 14 ft. E. from entrance to Truitts Cave, in rock wall, on triangular limestone; chiseled cross	872.31
Lanagan, 490 ft. E. of junction of State Highway 88, 450 ft. N. and 70 ft. W. from bridge over Kansas City Southern Ry., 4 ft. W. of blazed 40-in. elm tree, in concrete post; standard tablet stamped "1333 C W A 1934"	850.302
Reference mark, 65 ft. S. and 205 ft. W. from tablet, on top of W. end of concrete foundation of gasoline pump; chiseled square	855.76
Lanagan, 333 ft. N. of Kansas City Southern Ry. sta., 100 ft. NW. of water tank, 51 ft. W. of main track, 28 ft. E. of highway, 30 ft. N. of rd. W., in concrete post; U.S.C. & G.S. standard disk stamped "E 108 1935"	856.035
Reference mark, 127 ft. S. and 22 ft. E. from disk, in SW. corner of oil crane concrete curb; chiseled square	855.39
Lanagan, 0.9 mi. NE. of junction of State Highway 88, on center of W. head wall of concrete culvert; chiseled square	870.78
Lanagan, 1.4 mi. NE. of junction of State Highway 88, on E. head wall of concrete culvert; chiseled square	884.07
Lanagan, 2.0 mi. N. of junction of State Highway 88, 16 ft. W. of stone arch culvert under Kansas City Southern Ry., on top of E. head wall of concrete culvert; chiseled square	876.74
Anderson, 0.8 mi. SE. of junction of State Highway 44, on E. head wall of concrete culvert; chiseled square	888.02
Anderson, in E. part of, 250 ft. N. and 130 ft. E. from junction of State Highway 44 W., 5 ft. W. of blazed twin ash tree, in concrete post; standard tablet stamped "1320 C W A 1934"	890.097
Reference mark, 415 ft. SW. of tablet, on center of S. head wall of concrete culvert; chiseled square	892.42

3. FROM LANAGAN SOUTHEAST ALONG STATE HIGHWAY 88 TO CAVERNA, THENCE WEST ALONG ARKANSAS-MISSOURI STATE LINE TO U.S. HIGHWAY 71 AT POINT 2.4 MILES SOUTH OF NOEL, INCLUDING THAT PART OF THE LINE IN PAYETTEVILLE NO. 2 QUADRANGLE, ARKANSAS (by O. F. Hodgdon in 1935)

Indian River, under bridge H-792; surface of water at 10:45 a. m. April 29, 1935	833.5
Lanagan, 0.5 mi. SE. of, at NE. corner of bridge H-792 over Indian River, on top of concrete handrail; chiseled square	849.15
Lanagan, 1 mi. SE. of, 200 ft. W. of junction of rd. SE., on N. head wall of concrete culvert; chiseled square	857.52
Lanagan, 1.6 mi. SE. of, on N. head wall of concrete culvert; chiseled square	894.03
Lanagan, 1.5 mi. E. of, 150 ft. S. and 150 ft. E. from large stone dwelling, 40 ft. N. and 2 ft. W. from highway at fence N., in concrete post; standard tablet stamped "1332 C W A 1934"	933.544
Reference mark, 27 ft. S. and 292 ft. W. from tablet, on N. head wall of concrete culvert; chiseled square	922.20
Lanagan, 2.6 mi. SE. of, on N. head wall of concrete culvert; chiseled square	960.85

	Feet
Pineville, 2.2 mi. NW. of, on S. head wall of concrete culvert; chiseled square	992.27
Pineville, 1.7 mi. NW. of, 35 ft. N. of highway, 15 ft. E. of rd. N., on E. head wall of tile culvert; chiseled square	1,139.73
Pineville, 1.2 mi. NW. of, on N. head wall of concrete culvert; chiseled square	1,023.81
Pineville, 0.5 mi. NW. of, 45 ft. SW. of highway, on N. head wall of concrete culvert; chiseled square	952.46
Pineville, 20 ft. S. of NW. corner of courthouse, at W. entrance, in NE. corner of concrete step; standard tablet	898.532
Reference mark, on top of NW. corner of limestone water table; (mark not described)	899.05
Pineville, 640 ft. N. and 45 ft. W. from junction of rd. E., 42 ft. N. and 45 ft. W. from highway at fence W., 12 ft. N. and 80 ft. E. from small log dwelling, in concrete post; standard tablet stamped "1331 C W A 1934"	893.339
Reference mark, 973 ft. S. of tablet, on NW. corner of concrete abutment of bridge H-965 over Elk River; chiseled square	868.58
Pineville, about 0.2 mi. S. of, at Elk River, under bridge H-965; surface of water at 11:20 a. m. May 1, 1935	845.1
Pineville, 1.2 mi. SE. of, 20 ft. N. and 60 ft. W. from junction of rd. E., on S. head wall of concrete culvert; chiseled square	877.11
Pineville, 1.8 mi. SE. of, on head wall of concrete culvert; chiseled square	876.89
Pineville, 2.4 mi. SE. of, on W. head wall of concrete culvert; chiseled square	889.21
Pineville, 3 mi. SE. of, on W. head wall of concrete culvert; chiseled square	924.73
Pineville, 3.2 mi. SE. of, 20 ft. N. and 10 ft. W. from NW. corner of dwelling of T. J. Masters, 30 ft. S. and 6 ft. W. from highway at fence N., in concrete post; standard tablet stamped "1330 C W A 1934"	897.078
Reference mark, 34 ft. N. and 800 ft. E. from tablet, on SW. corner of bridge H-968 over Brush Creek, on top of concrete handrail; chiseled square	893.46
Pineville, about 3.4 mi. SE. of, at Brush Creek, under bridge H-968; surface of water at 1 p. m. May 2, 1935	881.1
Pineville, about 4.1 mi. SE. of, 0.7 mi. E. of Brush Creek bridge, on S. head wall of concrete culvert; chiseled square	907.11
Jane, about 1.5 mi. NW. of, 1.6 mi. E. of Brush Creek bridge, on S. head wall of concrete culvert; chiseled square	947.63
Jane, about 1.3 mi. NW. of, 1.8 mi. E. of Brush Creek bridge, 12 ft. N. of junction of rd. NE., 42 ft. E. of highway, on N. head wall of iron pipe culvert; chiseled square	920.66
Jane, 0.5 mi. N. of, on W. head wall of concrete culvert; chiseled square	990.70
Jane, 570 ft. S. and 36 ft. E. from crossroad, 110 ft. N. and 20 ft. W. from NW. corner of filling sta., in concrete post; standard tablet stamped "1323 C W A 1934"	997.852
Reference mark, 587 ft. N. and 53 ft. W. from tablet, on W. head wall of concrete culvert; chiseled square	981.49
Jane, 0.6 mi. S. of, 25 ft. E. of N.-S. crossroad, 17 ft. W. of highway, on W. head wall of concrete culvert; chiseled square	991.78
Jane, 1 mi. S. of, 16 ft. N. of E.-W. rd., 30 ft. E. of highway, on N. head wall of iron pipe culvert; chiseled square	1,029.74
Jane, 1.5 mi. SW. of, on W. head wall of concrete culvert; chiseled square	995.20
Jane, 2.1 mi. SW. of, 60 ft. W. of highway, in root on E. side of 21-in. black-oak tree; copper nail and washer	993.24
Caverna, 1 mi. NW. of, at NW. corner of bridge H-970 over Gordon Hollow Branch, on concrete curb of railing; chiseled square	953.46
Caverna, 1 mi. NW. of, at Gordon Hollow Branch, under bridge H-970; surface of water at 8:30 a. m. May 7, 1935	939.8
Caverna, 0.5 mi. N. of, 45 ft. S. and 60 ft. W. from junction of rd. W., 120 ft. S. and 60 ft. W. from highway at fence E., 12 ft. E. of blazed oak tree, in concrete post; standard tablet stamped "1322 C W A 1934"	976.857
Reference mark, 38 ft. S. and 48 ft. E. from tablet, on W. head wall of concrete culvert; chiseled square	976.68
Caverna, about 0.8 mi. NW. of, in NE 1/4 sec. 33, T. 21 N., R. 31 W., 30 ft. NW. of SW. corner of dwelling of Fred H. Barnes, 25 ft. N. of rd., in root on S. side of 16-in. maple tree; copper nail and washer	967.99
T. 21 N., R. 31 W., in NE 1/4 sec. 17, 30 ft. SE. of SW. corner of farmhouse of F. M. Marshall, 75 ft. W. of rd. S., in root on NE. side of 27-in. post-oak tree; copper nail and washer	1,009.52
T. 21 N., R. 31 W., in E 1/2 sec. 17, 15 ft. N. of rd., in S. side of 12-in. fence post; spike	1,063.23
T. 21 N., R. 31 W., in SW 1/4 sec. 17, 110 ft. N. of E.-W. rd., 35 ft. E. of T-rd. NE., in root on W. side of 12-in. post-oak tree; copper nail and washer	1,055.99
T. 21 N., R. 31 W., near quarter cor. between secs. 17 and 18, 10 ft. N. of E.-W. rd., in root on S. side of 21-in. white-oak tree; nail and washer	1,058.39
Hiwasse, Ark., 4.5 mi. N. and 0.5 mi. E. from W. sixteenth cor. sec. 18, T. 21 N., R. 31 W., 0.2 mi. S. of Ark.-Mo. State line, 8 ft. S. and 10 ft. E. from rd. corner E.-S., 8 ft. S. and 6 ft. E. from rd. at fence S., 6 ft. E. of blazed hickory tree, in concrete post; standard tablet stamped "1341 C W A 1935"	1,194.725
Reference mark, 2 ft. N. and 6 ft. W. from tablet, in root on N. side of 9-in. blazed hickory tree; copper nail and washer	1,194.68
T. 21 N., R. 31 W., in SW 1/4 sec. 18, 15 ft. S. and 15 ft. W. from junction of Hiwasse-Jane and Caverna Branch rds., in root on N. side of 28-in. red-oak tree; spike	1,281.15

	Feet
T. 21 N., R. 32 W., in SE 1/4 sec. 13, 10 ft. W. of Hiwassee-Jane rd. at rd. junction, in root on E. side of 12-in. hickory tree; copper nail and washer	1,302.34
Hiwassee triangulation sta.; U.S.C. & G.S. standard disk stamped "Hiwassee 1935"	1,336.237
Reference mark 1; U.S.C. & G.S. standard reference disk stamped "Hiwassee No. 1 1935"	1,336.047
Reference mark 2; U.S.C. & G.S. standard reference disk stamped "Hiwassee No. 2 1935"	1,334.401
Azimuth mark; U.S.C. & G.S. standard reference disk stamped "Hiwassee Az1 1935"	1,309.284
T. 21 N., R. 32 W., in SW 1/4 sec. 13, 6 ft. E. of Rattlesnake rd., in root on NW. side of 12-in. hickory tree; (mark not described)	1,223.32
T. 21 N., R. 32 W., in NW 1/4 sec. 14, 10 ft. N. of Rattlesnake rd., in root on S. side of 13-in. red-oak tree; copper nail and washer	1,167.10
T. 21 N., R. 32 W., in NW 1/4 sec. 14, 75 ft. S. of Rattlesnake rd., in root on E. side of 11-in. cedar tree; spike	1,128.49
Pineville, 6 mi. S. of, near center of SW 1/4 sec. 35, T. 21 N., R. 32 W., about 600 ft. N. of Ark.-Mo. State line, 150 ft. S. and 50 ft. W. from small log dwelling, 100 ft. S. of rd., 9 ft. N. and 3 ft. W. from blazed 12-in. oak tree, 3 ft. N. and 15 ft. E. from blazed 6-in. oak tree, in concrete post; standard tablet stamped "1342 G W A 1935"	1,093.425
Reference mark, 12 ft. W. of tablet, in root on W. side of 12-in. chinquapin tree; copper nail and washer	1,093.35
T. 21 N., R. 32 W., about 0.3 mi. E. of S. cor. secs. 33 and 34, 35 ft. S. of junction of Mill Creek-Sulphur Springs rd., 140 ft. SE. of dwelling of R. A. Bliss, in root on N. side of 36-in. red-oak tree; copper nail and washer	1,041.61
Junction of Mill Creek-Sulphur Springs rd., 0.5 mi. SW. of, 6 ft. E. of Old Hiwassee-Sulphur Springs rd., in root on W. side of 24-in. red-oak tree; spike	1,212.01
Pineville, 6 mi. S. and 1.5 mi. W. from, about 660 ft. S. of E. sixteenth cor. sec. 32, T. 21 N., R. 32 W., 20 ft. S. and 12 ft. W. from T-rd. E., 110 ft. S. and 100 ft. E. from dwelling of E. Forney, in concrete post; standard tablet stamped "1343 C W A 1935"	1,259.980
Reference mark, 600 ft. S. and 100 ft. W. from tablet, 10 ft. E. of rd., in root on E. side of 28-in. red-oak tree; copper nail and washer	1,261.14
T. 21 N., R. 32 W., 350 ft. N. of cor. secs. 16, 17, 20, and 21, 60 ft. N. of E.-W. rd., 10 ft. E. of Sulphur Springs rd., in root on W. side of 20-in. post-oak tree; copper nail and washer	1,268.87
T. 21 N., R. 32 W., in SE 1/4 sec. 17, 6 ft. E. of Sulphur Springs rd., in root on SE. side of 16-in. black-oak tree; spike	1,241.96
T. 21 N., R. 32 W., in SW 1/4 sec. 17, 15 ft. E. of rd., 90 ft. NW. of farmhouse of J. N. Johnston, in root on S. side of 30-in. red-oak tree; nail and washer	1,213.56
T. 21 N., R. 32 W., near S. sixteenth cor. between secs. 17 and 18, 10 ft. N. of rd., in root on S. side of 14-in. white-oak tree; copper nail and washer	1,076.55
T. 21 N., R. 32 W., in SE 1/4 sec. 18, 240 ft. E. of T-rd. S., 30 ft. N. of E.-W. rd., in root on N. side of 30-in. red-oak tree; nail and washer	1,044.11
T. 21 N., R. 32 W., in SW 1/4 sec. 18, 50 ft. NE. of farmhouse of Jim Daniel, 125 ft. SE. of large spring, in root on NW. side of 26-in. sycamore tree; copper nail and washer	992.18
T. 21 N., R. 32 W., in SW 1/4 sec. 31, 20 ft. N. of Ark.-Mo. State line, in root on E. side of 12-in. elm tree; nail and washer	967.34
Noel, about 5 mi. SE. of, in SW 1/4 sec. 31, T. 21 N., R. 32 W., 13 ft. N. and 18 ft. W. from T-rd. S., 13 ft. N. and 240 ft. W. from T-rd. N., 640 ft. N. and 320 ft. W. from fence corner, in concrete post; standard tablet stamped "1344 C W A 1935"	956.332
Reference mark, 35 ft. N. and 223 ft. E. from tablet, 35 ft. N. and 40 ft. W. from T-rd. N., in root on S. side of twin elm tree; copper nail and washer	967.70
T. 21 N., R. 33 W., in NE 1/4 sec. 36, 40 ft. E. of Deer Creek rd., in fence line, in root on SW. side of 6-in. post-oak tree; nail and washer	1,012.19
Noel, about 3.8 mi. SE. of, center sec. 36, T. 21 N., R. 33 W., 25 ft. S. of Deer Creek rd., 50 ft. E. of junction of rd. N., in root on NW. side of 20-in. walnut tree; copper nail and washer	1,005.33
Noel, about 3.3 mi. SE. of, near quarter cor. between secs. 35 and 36, T. 21 N., R. 33 W., 20 ft. N. of Deer Creek rd., in root on S. side of 16-in. hickory tree; nail and washer	943.00
Noel, 2.7 mi. SE. of, 525 ft. S. and 40 ft. E. from N. sixteenth cor. sec. 35, T. 21 N., R. 33 W., 37 ft. N. of Deer Creek rd., in root on S. side of 16-in. red-oak tree; copper nail and washer	945.43
Noel, 2.6 mi. SE. of, at Lula Dale Farm, on top of concrete well foundation; (mark not described)	895.63
U.S.C. & G.S. standard disk stamped "A 108 1935"	862.606
Noel, 2.4 mi. S. of, at Butler Creek, on NW. corner of W. abutment of bridge; chiseled square	854.59
Noel, 2.4 mi. S. of, at Butler Creek, under bridge; surface of water at 12 noon May 23, 1935	837.7

4. FROM SOUTH WEST CITY QUADRANGLE EAST ALONG STATE HIGHWAY 44 INTO MOUNTAIN QUADRANGLE (by O. F. Hodgdon in 1935)  
(Continued from South West City quadrangle; see line 2.)

Anderson, 3 mi. W. of, 21 ft. S. and 100 ft. W. from junction of rd. N., in top of 13-in. white-oak stump; copper nail and washer	1,117.67
Anderson, 2 mi. W. of, 30 ft. N. and 78 ft. W. from N.-S. crossroad, on top of concrete right-of-way post; chiseled cross	1,155.62

	<u>Feet</u>
Anderson, 1 mi. W. of, on N. head wall of concrete culvert; chiseled square	931.79
U.S.C. & G.S. standard disk stamped "G 108 1935"	905.234
Anderson, at junction of U.S. Highway 71, 20 ft. W. of Highway 71, on SW. corner of S. wall of concrete culvert; chiseled triangle	921.40
Anderson, 0.6 mi. SE. of, 18 ft. N. and 15 ft. W. from junction of rd. W., on top of concrete block; chiseled square	964.66
Anderson, about 1.3 mi. SE. of, at bridge H-780 over Indian Creek, on top of W. end of NW. concrete railing post; chiseled square	905.11
Anderson, about 2.3 mi. E. of, 1 mi. NE. of Indian Creek, 15 ft. N. and 86 ft. E. from rd. junction, on top of NE. corner of N. head wall of concrete culvert; chiseled square	950.06
Anderson, 3.5 mi. E. of, 17 ft. N. and 77 ft. W. from highway at fences E.-W., 6 ft. S. and 12 ft. E. from blazed oak tree, in concrete post; standard tablet stamped "1317 C W A 1934"	1,124.635
Reference mark, 6 ft. N. and 12 ft. W. from tablet, in root on SE. side of 30-in. blazed red-oak tree; copper nail and washer	1,125.48
Anderson, about 4.5 mi. E. of, 3.2 mi. NE. of Indian Creek, 22 ft. N. of highway, on center of N. head wall of concrete pipe culvert; chiseled square	1,165.98
Anderson, about 5.1 mi. E. of, 25 ft. N. and 10 ft. W. from junction of rd. N., on center of W. concrete head wall of iron pipe culvert; chiseled square	1,220.78
Anderson, 6.6 mi. E. of, 660 ft. N. and 126 ft. E. from NE. corner of Bunker Hill School, 75 ft. S. and 40 ft. E. from highway at crossroad, in concrete post; standard tablet stamped "1316 C W A 1934"	1,220.481
Reference mark, 27 ft. N. and 20 ft. W. from tablet, on center of E. head wall of iron pipe culvert; chiseled square	1,218.38
Plainview, about 2.3 mi. SW. of, 46 ft. N. of highway, 125 ft. E. of N.-S. crossroad, in root on SW. side of 18-in. red-oak tree; copper nail and washer	1,238.18
Plainview, about 1.5 mi. SW. of, 10 ft. W. of NW. corner of dwelling, 75 ft. S. of highway, in root on NW. side of 30-in. white-oak tree; copper nail and washer	1,234.70
Plainview, 0.5 mi. W. of, 115 ft. N. of highway, 190 ft. E. of rd. S., in root on E. side of 11-in. pine tree; copper nail and washer	1,285.45
Plainview, 43 ft. E. of general store, 40 ft. N. and 23 ft. E. from highway at curve W.-N., in concrete post; standard tablet stamped "1315 C W A 1934"	1,287.346
Reference mark, 5 ft. S. and 3 ft. E. from tablet, in root on W. side of 17-in. walnut tree; copper nail and washer	1,287.36
Plainview, about 1.2 mi. NE. of, 33 ft. SE. of highway, in root on N. side of 18-in. red-oak tree; copper nail and washer	1,299.83
Plainview, about 2.0 mi. NE. of, 26 ft. W. of N.-S. rd., in root on SE. side of 23-in. red-oak tree; copper nail and washer	1,280.48
Plainview, about 2.8 mi. NE. of, 75 ft. SE. of SE. corner of farmhouse of D. S. Carter, 30 ft. N. of highway, on top of SE. corner of concrete well cover; chiseled square	1,297.79

(Continued in Mountain quadrangle; see line 1.)

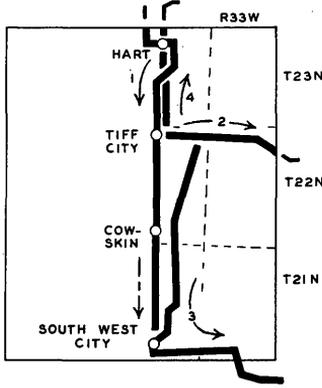
5. FROM KANSAS CITY SOUTHERN RAILWAY AT POINT 0.5 MILE NORTHEAST OF GOODMAN SOUTH TO GOODMAN, THENCE SOUTH ALONG U.S. HIGHWAY 71 TO ANDERSON (by O. F. Hodgdon in 1935)

Goodman, 0.5 mi. NE. of, cor. secs. 4, 5, 8, and 9, T. 23 N., R. 32 W., 100 ft. NW. of Kansas City Southern Ry. track, NW. of crossroads; iron post stamped "Mo 1246"	1,243.212
Reference mark, 200 ft. S. and 48 ft. W. from post, on W. end of iron pipe culvert; chiseled cross	1,242.54
Goodman, 0.5 mi. E. of, in NW 1/4 sec. 9, T. 23 N., R. 32 W., 30 ft. S. and 100 ft. E. from T-rd. N., 40 ft. N. and 30 ft. E. from NE. corner of dwelling of L. P. Barnes, 24 ft. N. and 3 ft. W. from twin oak tree, in concrete post; standard tablet stamped "1329 C W A 1934"	1,254.124
Reference mark, 31 ft. S. and 40 ft. W. from tablet, at N. entrance to dwelling, on E. end of bottom step; chiseled square	1,255.75
Goodman, 145 ft. SW. of sta., 18 ft. S. of track, in concrete post; standard tablet stamped "L 108 1935"	1,254.076
Reference mark, 71 ft. S. and 11 ft. E. from tablet, in front of dwelling of L. L. Russell, on N. end of concrete seat; chiseled square	1,255.90
Goodman, 0.5 mi. W. of, 82 ft. N. and 50 ft. E. from crossroad, on S. end of foundation of gasoline pump; chiseled square	1,254.18
Goodman, 1.3 mi. SW. of, 300 ft. S. and 40 ft. W. from highway at fence W., 50 ft. N. and 60 ft. E. from small log dwelling, 120 ft. N. and 3 ft. W. from blazed hickory tree, in concrete post; standard tablet stamped "1328 C W A 1934"	1,182.080
Reference mark, 116 ft. S. and 3 ft. E. from tablet, in root on NE. side of 15-in. hickory tree; copper nail and washer	1,180.58
Goodman, 2.1 mi. SW. of, 148 ft. SE. of Kansas City Southern Ry. bridge A-187, on top of SW. concrete abutment of bridge G-509; chiseled square	1,077.89
Anderson, about 3.9 mi. N. of junction of State Highway 44, 13 ft. S. and 17 ft. W. from junction of rd. W., on center of W. head wall of iron pipe culvert; chiseled square	1,030.88
Anderson, about 3.1 mi. N. of junction of State Highway 44, 99 ft. S. and 14 ft. W. from junction of rd. W., on center of W. head wall of iron pipe culvert; chiseled square	983.11

Anderson, 2.3 mi. N. of junction of State Highway 44, 2 ft. S. and 32 ft. E. from highway at fence E., 12 ft. N. and 25 ft. W. from NW. corner of dwelling of Frank Totum, in concrete post; standard tablet stamped "1327 C W A 1934"	Feet 982.787
Reference mark, 6 ft. N. and 24 ft. E. from tablet, in root on W. side of 12-in. red-oak tree; copper nail and washer	984.46
Anderson, about 1.3 mi. N. of junction of State Highway 44, 205 ft. N. of junction of rd. W., 14 ft. E. of highway, about 40 ft. NW. of NW. corner of dwelling of George Totum, on center of head wall of iron pipe culvert; chiseled square	931.02
6. FROM MOUNTAIN QUADRANGLE AT SEC. 11, T. 23 N., R. 31 W., WEST BY WAY OF McNATT AND ERIE TO GOODMAN (by R. W. Mattox in 1936) (Continued from Mountain quadrangle; see line 3.)	
Bethpage, 2.5 mi. N. and 1 mi. W. from, 20 ft. N. and 345 ft. E. from quarter cor. between secs. 10 and 11, T. 23 N., R. 31 W., in fence line N. of rd., in root on N. side of 24-in. oak tree; copper nail and washer	1,191.79
T-rd. N., 20 ft. S. and 150 ft. W. from, in root on NW. side of 16-in. oak tree; crossed nails	1,187.04
McNatt, 2.2 mi. E. of, 110 ft. S. and 10 ft. E. from quarter cor. between secs. 9 and 10; T. 23 N., R. 31 W., in root on SW. side of triple chinquapin tree; copper nail and washer	1,202.11
McNatt, 1.2 mi. E. of, 200 ft. N. and 350 ft. W. from quarter cor. between secs. 8 and 9, T. 23 N., R. 31 W., on top of ridge, 25 ft. N. of rd., in root on S. side of 20-in. oak tree; copper nail and washer	1,214.69
McNatt, 0.8 mi. E. of, 20 ft. N. and 40 ft. E. from T-rd. N., in root on S. side of 30-in. oak tree; crossed nails	1,057.86
McNatt, 1.2 mi. SW. of, 150 ft. N. and 2 ft. E. from cor. secs. 7, 12, 13, and 18, T. 23 N., Rs. 31 and 32 W., 25 ft. E. of rd. corner S.-W., in root on W. side of 10-in. oak tree; copper nail and washer	1,082.89
McNatt, 1.7 mi. SW. of, 70 ft. N. and 70 ft. W. from T-rd. N., in root on E. side of 12-in. sycamore tree; crossed nails	999.60
McNatt, 2.4 mi. W. of, in SE 1/4 sec. 11, T. 23 N., R. 32 W., 20 ft. S. and 130 ft. W. from junction of rd. SE., in root on N. side of 12-in. oak tree; copper nail and washer	979.71
Erie, about 0.3 mi. N. of, 90 ft. S. and 30 ft. W. from T-rd.-W., in top of corner fence post; crossed nails	1,015.72
Goodman, 1.2 mi. E. of, quarter cor. between secs. 9 and 10, T. 23 N., R. 32 W., 60 ft. S. and 100 ft. E. from T-rd. SE., in root on N. side of 20-in. oak tree; copper nail and washer	1,148.55
Goodman, 1 mi. E. of, in NE 1/4 sec. 9, T. 23 N., R. 32 W., 27 ft. S. and 30 ft. E. from T-rd. S., in root on N. side of 16-in. oak tree; nail and washer	1,231.79
7. FROM MOUNTAIN QUADRANGLE AT SEC. 23, T. 22 N., R. 31 W., SOUTHWEST TO STATE HIGHWAY 88 AT POINT 1.1 MILES NORTHWEST OF JANE (by O. P. Hodgdon in 1935-36 and R. W. Mattox in 1936) (Continued from Mountain quadrangle; see line 2.)	
T-rd. SW., 20 ft. S. of rd., in top of corner fence post; crossed nails	922.38
Cyclone, 0.5 mi. S. of, in SW 1/4 sec. 23, T. 22 N., R. 31 W., 30 ft. N. of T-rd. E., in root on SW. side of 24-in. oak tree; copper nail and washer	920.87
Cyclone, about 0.8 mi. SW. of, 300 ft. N. of cor. secs. 22, 23, 26, and 27, T. 22 N., R. 31 W., 25 ft. N. and 50 ft. W. from rd. at curve S.-E., 6 ft. S. and 7 ft. E. from fence corner, in concrete post; standard tablet stamped "1326 C W A 1934"	980.357
Cyclone, about 2.7 mi. SW. of, in NW 1/4 sec. 35, T. 22 N., R. 31 W., 20 ft. E. of rd., 500 ft. S. of rd. NE., in root on W. side of 8-in. oak tree; copper nail and washer	1,270.48
Cyclone, 3.7 mi. SW. of, about 800 ft. E. and 300 ft. N. from center sec. 34, T. 22 N., R. 31 W., 50 ft. S. and 15 ft. W. from T-rd. S., 20 ft. S. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "1325 C W A 1934"	1,261.863
Cyclone, about 4.6 mi. SW. of, in NE 1/4 sec. 33, T. 22 N., R. 31 W., 40 ft. S. of County Route K, 20 ft. E. of T-rd. S., in root on N. side of 24-in. oak tree; copper nail and washer	1,226.06
Cyclone, 5.5 mi. SW. of, 720 ft. N. and 500 ft. W. from cor. secs. 4, 5, 32, and 33, Tps. 21 and 22 N., R. 31 W., 15 ft. W. of ra., 100 ft. S. and 25 ft. E. from small log dwelling, in concrete post; standard tablet stamped "1324 C W A 1934"	997.806
Junction of Skaggs Hollow and Little Sugar Creek, on NE. bank of creek, 50 ft. S. of rd., in root on N. side of 40-in. oak tree; crossed nails	904.99

For an additional level line along Kansas City Southern Ry., refer to United States Coast and Geodetic Survey second-order line, Neosho to Gravette, Ark.

SOUTH WEST CITY QUADRANGLE\*  
 (Latitude 36°30'1"-36°45'; longitude 94°30'1"-94°45')  
 McDonald County



1. FROM SENECA QUADRANGLE AT POINT NEAR HART SOUTH ALONG STATE LINE ROAD BY WAY OF TIFF CITY AND COWSKIN TO SOUTH WEST CITY (by F. W. Hughes in 1906 and George W. Lucas in 1914)  
 (Continued from Seneca quadrangle; see line 1.)

	<u>Feet</u>
Hart, 10 ft. W. of post office, 30 ft. N. of crossroad, in root of hickory tree; nail	1,097.40
Hart, at SW. corner of post office; iron post stamped "1103"	1,099.167
Hart, 1 mi. S. of, at rd. junction, on stone; chiseled cross	1,140.48
Hart, 2.5 mi. S. of, at summit of Shockley Hill, W. of old rd., 18 ft. S. of large oak tree; iron post stamped "1098"	1,094.509
Hart, 2.5 mi. S. of, W. of rd., in root of large oak tree; nail	1,093.44
Tiff City, 2 mi. N. of, at rd. junction, E. of rd., on stone; chiseled cross	969.95
Tiff City, at E. end of Main Street, 100 ft. SE. of mill, on bank of Buffalo Creek, in ledge; tablet stamped "790"	787.197
Cowskin, 600 ft. N. of post office, 100 ft. W. of rd., in limestone ledge; tablet stamped "855"	852.672
Cowskin, 0.3 mi. S. of post office, at rd. junction, on rock; chiseled cross	889.77
South West City, 3 mi. N. of, 100 ft. S. of rd. junction, 50 ft. W. of dwelling; iron post stamped "977"	973.870
South West City, 3 mi. N. of, W. of rd., on stone; chiseled cross	957.41
South West City, at SW. limits of, on Mo.-Okla. State line; iron post stamped "1034"	1,031.221

2. FROM TIFF CITY EAST ALONG STATE HIGHWAY 44 INTO NOEL QUADRANGLE (by O. F. Hodgdon in 1935)

Tiff City, at E. end of Main Street, 100 ft. SE. of mill, on bank of Buffalo Creek, in ledge; tablet stamped "790" (new tablet 9 in. N. of above)	787.197
Reference mark, 25 ft. S. and 224 ft. W. from tablet, on SW. corner of concrete porch; chiseled square	805.56
Tiff City, 80 ft. S. and 60 ft. E. from school, 770 ft. E. of Mo.-Okla. State line, 10 ft. N. and 500 ft. E. from crossroad, in concrete post; standard tablet stamped "1336 C W A 1935"	841.310
Tiff City, 1 mi. NE. of, at concrete bridge 86 over Buffalo Creek, on top of NE. abutment; chiseled square	799.51
Tiff City, 2 mi. E. of, 1 mi. SE. of Buffalo Creek, 26 ft. S. of highway, in root on N. side of 18-in. post-oak tree; copper nail and washer	910.04
Tiff City, 2.8 mi. E. of, at NW. corner of bridge S-366 over Patterson Creek, on top of concrete; chiseled square	849.89
Tiff City, 2.8 mi. E. of, at Patterson Creek, under bridge S-366; surface of water at 3:30 p.m. February 26, 1935	840.2
Tiff City, 3.2 mi. E. of, 20 ft. N. and 14 ft. W. from junction of County Route N (now State Highway 43), 570 ft. N. and 270 ft. E. from old E.-W. rd. at fence N., in concrete post; standard tablet stamped "1335 C W A 1934"	958.133
Reference mark, 337 ft. N. and 18 ft. E. from tablet, 75 ft. W. of highway, in root on S. side of 15-in. red-oak tree; copper nail and washer	949.47
Tiff City, 4 mi. E. of, 82 ft. N. and 10 ft. W. from junction of rd. N., in root on SE. side of 12-in. elm tree; copper nail and washer	970.68
Tiff City, 5 mi. E. of, 15 ft. S. of highway, on E. end of head wall of concrete culvert; chiseled square	1,008.92

\* Part of this quadrangle lies in Oklahoma.

	<u>Feet</u>
Tiff City, 6 mi. E. of, 38 ft. N. and 25 ft. E. from junction of rd. N., in root on S. side of 14-in. red-oak tree; copper nail and washer	1,082.78
Tiff City, 7 mi. E. of, 20 ft. S. and 29 ft. W. from junction of rd. S., in top of 14-in. stump; copper nail and washer	1,102.01
Tiff City, 7.5 mi. E. of, 45 ft. S. and 9 ft. W. from junction of lane S., 45 ft. S. and 720 ft. W. from highway at fences N. and S., 20 ft. S. of blazed hickory tree, in concrete post; standard tablet stamped "1334 C W A 1934"	1,039.903
Reference mark, 22 ft. N. and 2 ft. W. from tablet, in root on E. side of 17-in. hickory tree; copper nail and washer	1,036.99

(Continued in Noel quadrangle; see line 4.)

3. FROM STATE HIGHWAY 44, AT POINT 3.2 MILES EAST OF TIFF CITY, SOUTH ALONG COUNTY ROUTE N (now State Highway 43) TO STATE HIGHWAY 90, THENCE SOUTHWEST ALONG STATE HIGHWAY 90 TO SOUTH WEST CITY, THENCE SOUTHEAST ALONG OLD SOUTH WEST CITY-SULPHUR SPRINGS ROAD TO SEC. 15, T. 21 N., R. 33 W., INCLUDING THAT PART OF THE LINE IN ROW QUADRANGLE, ARKANSAS (by O. F. Hodgdon in 1935)	
South West City, about 10.2 mi. N. of, 18 ft. S. and 25 ft. E. from cross-road, in root on W. side of 24-in. post-oak tree; bolt and washer	955.18
South West City, about 9.2 mi. N. of, about 0.2 mi. NE. of Elk River, 16 ft. W. of highway, 39 ft. S. of dim rd. W., on center of W. head wall of concrete culvert; chiseled square	795.40
South West City, 9 mi. N. of, at Elk River, on concrete abutment of bridge 3-367; chiseled square	778.79
South West City, 8.2 mi. N. of, 12 (24 ?) ft. N. and 48 ft. E. from junction of rd. W., 50 ft. N. and 12 ft. E. from blazed oak tree, in concrete post; standard tablet stamped "1353 E R A 1935"	844.482
Reference mark, 50 ft. S. and 24 ft. W. from tablet, in root on NW. side of blazed 10-in. red-oak tree; copper nail and washer	846.39
South West City, about 8 mi. N. of, 215 ft. S. and 15 ft. W. from junction of rd. N., in root on SE. side of 22-in. black-oak tree; bolt and washer	961.42
South West City, 7.2 mi. N. of, 225 ft. N. and 14 ft. E. from crossroad, on E. head wall of concrete culvert; chiseled square	943.01
South West City, 7 mi. N. of, at Greenwood School, in NE. corner of schoolyard, 45 ft. W. of highway, 45 ft. S. of rd. W., in root on SE. side of 22-in. black-oak tree; bolt and washer	992.25
South West City, about 6.2 mi. N. of, 45 ft. W. of highway, 215 ft. N. of rd. W., 45 ft. NE. of NE. corner of farmhouse, in root on SE. side of 24-in. red-oak tree; copper nail and washer	992.14
South West City, 5.7 mi. N. of, on E. head wall of concrete culvert; chiseled square	987.53
South West City, about 5.2 mi. N. of, 60 ft. S. and 30 ft. E. from cross-road, in concrete post; standard tablet stamped "1352 E R A 1935"	1,011.684
Reference mark, 65 ft. N. and 12 ft. E. from tablet, in W. side of 10-in. walnut tree; spike	1,007.45
South West City, 4.7 mi. N. of, on E. head wall of concrete culvert; (mark not described)	996.23
South West City, about 4.3 mi. N. of, 40 ft. S. and 3 ft. E. from SE. corner of farmhouse of George Sutton, in root on SE. side of 11-in. elm tree; copper nail and washer	1,015.43
South West City, 3.7 mi. N. of, at Round Grove School, on concrete porch; chiseled square	979.53
South West City, about 3.2 mi. N. of, 25 ft. E. of highway, 13 ft. S. of rd. E., on S. head wall of concrete culvert; chiseled square	970.95
South West City, 2.7 mi. N. of, in root on N. side of twin wild-cherry tree; nail and washer	996.01
South West City, 2.3 mi. NE. of, 210 ft. N. and 30 ft. W. from junction of State Highway 90, in concrete post; standard tablet stamped "1351 E R A 1935"	993.138
Reference mark, 155 ft. S. and 15 ft. E. from tablet, on center of W. head wall of iron pipe culvert; chiseled square	992.15
South West City, about 1.6 mi. N. of, 55 ft. N. of E.-W. rd., 27 ft. E. of highway, on property of W. C. Craig, in root on S. side of 11-in. hickory tree; copper nail and washer	1,013.28
South West City, 11 ft. S. of entrance to cemetery, 64 ft. W. of highway, on SE. corner of stone gatepost; chiseled cross	960.19
South West City, 100 ft. N. of junction of rd. NE., 19 ft. E. of highway, on E. head wall of concrete culvert; chiseled square	927.51
South West City, at bridge J-240 over Honey Creek, in top of NE. concrete abutment; U.S.C. & G.S. standard disk stamped "C C 47 1934"	913.069
Reference mark, 35 ft. N. and 33 ft. W. from disk, on top of NW. concrete abutment of bridge; chiseled square	913.02
South West City, W. of Main Street, in front of bank, on top of concrete curb; chiseled square	917.77
South West City, at SW. corner of Main and Cherokee Streets, on SE. corner of concrete foundation of grocery store of William F. Stevenson; chiseled square	927.62
South West City, at SW. edge of, on Mo.-Okla. State line; iron post stamped "1034"	1,031.221
Reference mark, 75 ft. S. and 35 ft. W. from post, in root on NE. side of 14-in. white-oak tree; copper nail and washer	1,026.57
South West City, at S. limits of, 80 ft. N. and 40 ft. E. from junction of rd. E., in SW. corner of yard of A. G. Nichols, in concrete post; standard tablet stamped "1350 E R A 1935"	948.598
Reference mark, 71 ft. S. and 14 ft. W. from tablet, on N. head wall of iron pipe culvert; chiseled square	950.17

	Feet
South West City, about 0.5 mi. E. of, quarter cor. between secs. 33 and 34, T. 21 N., R. 34 W., 15 ft. N. and 26 ft. W. from junction of Gravette rd., on head wall of concrete culvert; chiseled square	936.68
Honey Creek, under bridge; surface of water at 10:30 a.m. April 9, 1935	914.8
Honey Creek, on top of NE. wing wall of concrete bridge; chiseled square	923.39
T. 21 N., R. 34 W., in SE 1/4 sec. 34, 25 ft. E. of rd., in root on W. side of 12-in. post-oak tree; nail and washer	995.13
T. 21 N., R. 34 W., in SW 1/4 sec. 35, 50 ft. S.W. of farmhouse of Mart Nichols, 60 ft. N. of rd., 300 ft. E. of N.-S. fence, in root on SE. side of 24-in. red-oak tree; copper nail and washer	1,001.20
T. 21 N., R. 34 W., in SE 1/4 sec. 35, 20 ft. S. of SW. corner of farmhouse of E. Bolman, 180 ft. S. of rd., on top of S. end of concrete retaining wall of cellar; chiseled square	998.02
T. 21 N., R. 34 W., on line between secs. 35 and 36, 70 ft. N. of rd., in root on NW. side of 20-in. walnut tree; copper nail and washer	1,000.25
South West City, 3 mi. SE. of, 170 ft. E. of S. quarter cor. sec. 36, T. 21 N., R. 34 W., 125 ft. N. and 10 ft. E. from rd. at fences E. and W., 30 ft. S. and 30 ft. W. from dwelling of John Womach, 72 ft. S. of blazed 18-in. oak tree, in concrete post; standard tablet stamped "1349 E R A 1935"	1,028.455
Reference mark, 30 ft. N. and 100 ft. W. from tablet, in root on SW. side of 26-in. white-oak tree; copper nail and washer	1,029.33
T. 21 N., R. 33 and 34 W., S. cor. secs. 31 and 36, 45 ft. N. of rd. on Ark.-Mo. State line, 175 ft. E. of rd. N., in root on S. side of 26-in. chinquapin tree; copper nail and washer	1,070.21
T. 21 N., R. 33 W., in SE 1/4 sec. 31, 20 ft. N. of rd. on Ark.-Mo. State line, 60 ft. SW. of SW. corner of farmhouse of J. W. Prichard, in root on S. side of 24-in. red-oak tree; nail and washer	1,129.79
T. 21 N., R. 33 W., S. cor. secs. 31 and 32, 18 ft. N. of rd. on Ark.-Mo. State line, 195 ft. W. of rd. N., in root on SE. side of 30-in. post-oak tree; copper nail and washer	1,129.93
T. 21 N., R. 33 W., 20 ft. S. and 300 ft. W. from S. quarter cor. sec. 32, in N. side of 7-in. black-oak tree; crossed nails	1,155.88
T. 21 N., R. 33 W., in SE 1/4 sec. 32, 50 ft. N. of rd. on Ark.-Mo. State line, 50 ft. W. of T-rd. S., on property of W. H. Craig, in root on S. side of twin 19-in. white-oak tree; copper nail and washer	1,158.96
Sulphur Springs, Ark., 3 mi. W. of, N. sixteenth cor. between secs. 19 and 20, T. 21 N., R. 33 W., 25 ft. N. and 25 ft. E. from crossroads, 75 ft. E. of Check's corner store, on property of J. A. Edmisten, in concrete post; standard tablet stamped "1348 E R A 1935"	1,159.421
Reference mark, 595 ft. N. and 45 ft. W. from tablet, in root on NE. side of 38-in. red-oak tree; copper nail and washer	1,163.11
T. 21 N., R. 33 W., 65 ft. N. of N. sixteenth cor. sec. 20, in root on S. side of 16-in. post-oak tree; iron nail and washer	1,175.51
T. 21 N., R. 33 W., 140 ft. N. of N. sixteenth cor. between secs. 20 and 21, in root on N. side of 16-in. hickory tree; copper nail and washer	1,185.14
T. 21 N., R. 33 W., near W. sixteenth cor. between secs. 16 and 21, 25 ft. S. of rd., in root on N. side of 15-in. white-oak tree; (mark not described)	1,201.45
T. 21 N., R. 33 W., in SW 1/4 sec. 16, 35 ft. W. of rd., in root on NE. side of 14-in. red-oak tree; nail and washer	1,100.33
T. 21 N., R. 33 W., S. sixteenth cor. between secs. 15 and 16, 45 ft. N. of rd., 280 ft. W. of rd. S., in root on SE. side of 36-in. elm tree; copper nail and washer	965.15

(Continued in Noel quadrangle; see line 2.)

4. FROM TIFF CITY NORTH ALONG OLD STATE LINE ROAD TO SEC. 28,  
T. 23 N., R. 34 W., THENCE NORTH ALONG COUNTY ROUTE M (now  
State Highway 43) INTO SENECA QUADRANGLE (by O. F. Hodgdon  
in 1935)

Tiff City, 1 mi. N. of, near SW. cor. sec. 33, T. 23 N., R. 34 W., 41 ft. SW. of farmhouse of C. A. James, 43 ft. E. of rd., in root on NW. side of 20-in. wild-cherry tree; copper nail and washer	918.72
Tiff City, 2 mi. N. of, 300 ft. S. and 75 ft. W. from W. cor. secs. 28 and 33, T. 23 N., R. 34 W., on Mo.-Okla. State line, 60 ft. NE. of farmhouse occupied by R. E. Brokow, in root on E. side of 24-in. post-oak tree; copper nail and washer	934.45
Tiff City, 2.8 mi. N. of, 70 ft. S. and 90 ft. E. from junction of rd. SW., 24 ft. N. and 36 ft. W. from small dwelling, 2 ft. S. and 4 ft. E. from blazed oak tree, in concrete post; standard tablet stamped "1337 C W A 1935"	1,135.106
Reference mark, 5 ft. N. and 8 ft. W. from tablet, in root on SW. side of blazed 11-in. oak tree; copper nail and washer	1,134.76
Hart, 2.5 mi. S. of, at summit of Shockley Hill, W. of old rd., 18 ft. S. of large oak tree; iron post stamped "1098"	1,094.509
Reference mark, 353 ft. N. of post, 47 ft. S. of new rd., 12 ft. W. of old rd., in NE. side of 18-in. red-oak tree; copper nail and washer	1,108.73
Hart, 1 mi. S. of, 29 ft. SW. of SW. corner of farmhouse of T. L. Barnett, 84 ft. E. of highway, in root on W. side of 21-in. hickory tree; copper nail and washer	1,140.62
Hart, at SW. corner of post office; iron post stamped "1103"	1,099.167
Reference mark, 78 ft. S. and 52 ft. E. from post, on top of SW. corner of concrete well platform; chiseled square	1,100.39
Hart, 0.8 mi. N. of, 90 ft. S. and 31 ft. E. from highway at fences E. and W., in SW. corner of Hart Cemetery, 16 ft. S. of blazed hickory tree, in concrete post; standard tablet stamped "1338 C W A 1935"	1,057.141

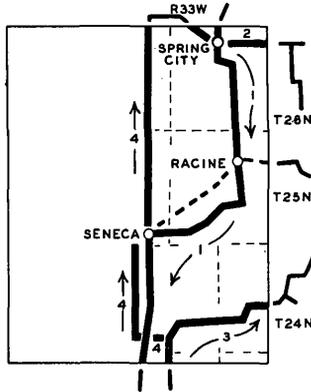
Reference mark, 17 ft. N. of tablet, at entrance to Hart Cemetery, in N. side of blazed 21-in. hickory tree; copper nail and washer

Feet  
1,056.66

(Continued in Seneca quadrangle; see line 3.)

SENECA QUADRANGLE\*  
(Latitude  $36^{\circ}45' - 37^{\circ}00'$ ; longitude  $94^{\circ}30' - 94^{\circ}45'$ )

McDonald and Newton Counties



- FROM SEC. 9, T. 26 N., R. 33 W., SOUTH BY WAY OF RACINE AND SENECA INTO SOUTH WEST CITY QUADRANGLE AT SEC. 5, T. 23 N., R. 34 W. (by F. W. Hughes in 1906 and George W. Lucas in 1914)
 

T. 26 N., R. 33 W., cor. secs. 4, 5, 8, and 9, 50 ft. SE. of crossroads; iron post stamped "Prim Trav Sta No 9 1906 1142 Crthg"	1,138.841
T. 26 N., R. 33 W., cor. secs. 21, 22, 27, and 28, 15 ft. SW. of corner stone; iron post stamped "1131"	1,127.427
Racine, near quarter cor. between secs. 10 and 15, T. 25 N., R. 33 W., 630 ft. N. of crossroads, near fence E. of rd.; iron post stamped "Prim Trav Sta No 8 1906"	974.068
Racine, at Lost Creek; surface of water	942.5
T. 25 N., R. 33 W., in NE 1/4 sec. 28, 400 ft. W. of ford across stream, in limestone ledge; aluminum tablet stamped "992"	988.488
Seneca, at bridge over Lost Creek, on NE. corner of bridge deck; bolt head	852.89
Seneca, 700 ft. SW. of St. Louis-San Francisco Ry. at rd. crossing, 10 ft. N. of track; Indian Territory Survey iron post stamped "846"	848.259
Seneca, 1 mi. S. of, at top of hill, on rock; cross	901.64

(Continued in South West City quadrangle; see line 1.)
- FROM NEOSHO QUADRANGLE AT SEC. 11, T. 26 N., R. 33 W., WEST TO SEC. 9, T. 26 N., R. 33 W. (by George W. Lucas in 1914)  
(Continued from Neosho quadrangle; see line 3.)
 

New Spring City, 0.8 mi. SE. of, in sec. 11, T. 26 N., R. 33 W., 150 ft. S. of Baker's store, W. of Joplin-Seneca rd., in root of 18-in. paradise tree; copper nail and washer	1,138.48
New Spring City, in sec. 10, T. 26 N., R. 33 W., 50 ft. NE. of store of S. D. Ford, at rd. forks, in root of 18-in. hickory tree; copper nail and washer	1,021.89
Old Spring City, in SE. cor. sec. 9, T. 26 N., R. 33 W., 100 ft. NW. of crossroads, 130 ft. N. of store of J. S. Cummings, in root of 14-in. oak tree; copper nail and washer	1,112.26
- FROM SOUTH WEST CITY QUADRANGLE NORTH ALONG COUNTY ROUTE M (now State Highway 43) TO SEC. 28, T. 24 N., R. 34 W., THENCE NORTHEAST INTO NEOSHO QUADRANGLE AT SEC. 21, T. 24 N., R. 33 W. (by O. F. Hodgdon in 1935)  
(Continued from South West City quadrangle; see line 4.)
 

T. 23 N., R. 34 W., quarter cor. between secs. 4 and 9, 25 ft. S. and 75 ft. E. from junction of rd. E., in root on SW. side of 22-in. elm tree; spike	1,009.81
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\* Part of this quadrangle lies in Oklahoma.

	Feet
T. 24 N., R. 34 W., in SE 1/4 sec. 33, 75 ft. N. of McDonald-Newton county line, 26 ft. E. of highway, in root on SW. side of 15-in. red-oak tree; copper nail and washer	1,019.40
T. 24 N., R. 34 W., in SW 1/4 sec. 33, 42 ft. S. and 60 ft. E. from junction of rd. SW., in N. side of 16-in. black-oak tree; spike	946.12
T. 24 N., R. 34 W., cor. secs. 28, 29, 32, and 33, 67 ft. S. and 54 ft. W. from crossroad, in root on E. side of 14-in. post-oak tree; copper nail and washer	996.96
Seneca, 3.5 mi. S. of, quarter cor. between secs. 28 and 29, T. 24 N., R. 34 W., 20 ft. S. and 30 ft. E. from junction of rd. E., 18 ft. N. and 27 ft. W. from large dwelling on property of John Walker, in concrete post; standard tablet stamped "1339 C W A 1934"	952.527
Reference mark, 375 ft. S. and 46 ft. W. from tablet, on SW. corner of head wall of concrete culvert; chiseled cross	956.87
T. 24 N., R. 34 W., quarter cor. between secs. 27 and 28, 17 ft. S. and 43 ft. W. from T-rd. W., in root on NW. side of 22-in. red-oak tree; copper nail and washer	1,016.60
T. 24 N., R. 34 W., cor. secs. 21, 22, 27, and 28, about 65 ft. N. of N. end of Reinhart Bridge over Mason Springs Branch of Sycamore Creek, 9 ft. E. of top of E. head wall of concrete culvert; chiseled square	960.92
Seneca, 3 mi. S. and 2 mi. E. from, cor. secs. 22, 23, 26, and 27, T. 24 N., R. 34 W., 15 ft. S. and 20 ft. E. from crossroads, in NW. corner of pasture, in concrete post; standard tablet stamped "1340 C W A 1935"	1,066.353
Reference mark, 62 ft. S. and 293 ft. W. from tablet, in root on NW. side of 20-in. red-oak tree; copper nail and washer	1,057.76
T. 24 N., R. 34 W., quarter cor. between secs. 23 and 26, 52 ft. S. and 15 ft. E. from T-rd. S., in root on N. side of 20-in. post-oak tree; spike	1,068.97
T. 24 N., R. 34 W., cor. secs. 23, 24, 25, and 26, 44 ft. S. and 20 ft. E. from crossroads, in root on N. side of 21-in. maple tree; copper nail and washer	1,098.75
T. 24 N., R. 34 W., quarter cor. between secs. 24 and 25, 15 ft. N. and 10 ft. E. from crossroads, in corner fence post; spike	1,116.35
T. 24 N., R. 33 W., 24 ft. N. and 419 ft. E. from SW. cor. sec. 19, in root on SE. side of 36-in. wild-cherry tree; copper nail and washer	1,133.86
T. 24 N., R. 33 W., near quarter cor. between secs. 19 and 30, 16 ft. S. and 210 ft. W. from T-rd. S., in root on NE. side of 32-in. maple tree; spike	1,144.89
T. 24 N., R. 33 W., in SE 1/4 SE 1/4 sec. 19, NW. of T-rd. W., 6 ft. NW. of fence corner; iron post stamped "Prim Trav Sta No 7 1906"	1,157.903
Ball triangulation sta.; U.S.C. & G.S. standard disk stamped "Ball 1935"	1,158.466
Reference mark; U.S.C. & G.S. standard reference disk stamped "Ball No 1 1935"	1,157.426
T. 24 N., R. 33 W., in SW 1/4 sec. 20, at T-rd. E.; surface of rd.	1,154.0
T. 24 N., R. 33 W., near cor. secs. 17, 18, 19, and 20, at crossroads; surface of rd.	1,134.6
Dessa, 30 ft. N. and 24 ft. E. from cor. secs. 17, 18, 19, and 20, T. 28 N., R. 33 W., on top of SW. corner of concrete foundation of Joplin Special District marker; chiseled square	1,135.34

(Continued in Neosho quadrangle; See line 7.)

4. FROM SEC. 28, T. 24 N., R. 34 W., NORTH ALONG COUNTY ROUTE M (now State Highway 43) TO SENECA, THENCE NORTH INTO GALENA QUADRANGLE AT SEC. 2, T. 26 N., R. 34 W., THENCE SOUTHEAST TO SEC. 9, T. 26 N., R. 33 W. (by O. F. Hodgdon and R. W. Mattox in 1935)

T. 24 N., R. 34 W., cor. secs. 20, 21, 28, and 29, at crossroads; surface of rd.	982.5
T. 24 N., R. 34 W., quarter cor. between secs. 20 and 21, 415 ft. S. and 10 ft. W. from SW. corner of bridge S-837 over Mason Springs Branch of Sycamore Creek, on top of concrete curb; chiseled cross	924.72
T. 24 N., R. 34 W., cor. secs. 16, 17, 20, and 21, at junction of rd. E.; surface of highway	996.2
T. 24 N., R. 34 W., about 500 ft. S. and 65 ft. E. from quarter cor. between secs. 16 and 17, 14 ft. S. and 5 ft. W. from SW. corner of dwelling, 65 ft. E. of highway, in root on W. side of 22-in. elm tree; copper nail and washer	941.40
T. 24 N., R. 34 W., cor. secs. 8, 9, 16, and 17, 25 ft. S. and 50 ft. E. from junction of rd. E., in root on W. side of 18-in. red-oak tree; spike	998.91
Seneca, 0.5 mi. SW. of junction of U.S. Highway 60, 20 ft. S. and 35 ft. E. from junction of dim rd. E., in root on N. side of 24-in. red-oak tree; spike	969.99
Seneca, in S. part of, 130 ft. S. and 10 ft. W. from junction of U.S. Highway 60, 20 ft. S. and 38 ft. E. from SE. corner of filling sta., in concrete post; standard tablet stamped "1354 E R A 1935"	852.734
Reference mark, 407 ft. N. and 24 ft. E. from tablet, at SW. corner of bridge over Little Lost Creek, on top of concrete abutment; chiseled square	855.21
U.S.C. & G.S. standard disk stamped "E 52 1934"	847.534
U.S.C. & G.S. standard disk stamped "A 47 1934"	846.790
Seneca, 49 ft. S. and 65 ft. W. from junction of State Highway 57 (now State Highway 43) and Miami-Seneca rd., at filling sta., on N. end of concrete pump foundation; chiseled square	868.65
State Highway 57 (now State Highway 43) at private rd., 15 ft. E. of stop sign; surface of highway	898.8

	<u>Foot</u>
T. 25 N., R. 34 W., in NE 1/4 sec. 35, at old Joplin-Seneca rd. N., in chiseled square on top of S. head wall of concrete culvert; chiseled cross	911.63
T. 25 N., R. 34 W., cor. secs. 23, 24, 25, and 26, 19 ft. N. and 22 ft. E. from crossroads, on top of concrete corner fence post; chiseled square	1,058.52
T. 25 N., R. 34 W., cor. secs. 23, 24, 25, and 26, at crossroads; top of limestone rock	1,054.2
T. 25 N., R. 34 W., S. sixteenth cor. between secs. 23 and 24, at T-rd. W.; surface of rd.	1,058.2
Seneca, 2 mi. N. of, N. sixteenth cor. between secs. 23 and 24, T. 25 N., R. 34 W., 78 ft. S. and 50 ft. W. from SW. corner of dwelling of O. W. Stephenson, 2 ft. S. and 27 ft. E. from T-rd. W., in concrete post; standard tablet stamped "1355 E R A 1935"	1,056.279
Reference mark, 28 ft. S. and 7 ft. W. from tablet, in root on W. side of 14-in. cedar tree; copper nail and washer	1,055.78
T-rd. W.; surface of rd.	1,054.3
T-rd. E.; surface of rd.	1,004.1
Bethel Baptist Church, 42 ft. N. and 29 ft. E. from SW. corner of property line, in root on SW. side of 30-in. black-oak tree; spike	1,006.22
T. 25 N., R. 34 W., cor. secs. 11, 12, 13, and 14, 120 ft. S. and 110 ft. E. from crossroads, in root, on SW. side of 16-in. wild-cherry tree; copper nail and washer	1,064.72
T. 25 N., R. 34 W., cor. secs. 11, 12, 13, and 14, at crossroads; surface of rd.	1,071.5
T. 25 N., R. 34 W., cor. secs. 1, 2, 11, and 12, 15 ft. N. and 55 ft. E. from crossroads, in root on SW. side of 34-in. hedge tree; copper nail and washer	1,063.30
T. 25 N., R. 34 W., cor. secs. 1, 2, 11, and 12, at crossroads; surface of rd.	1,062.6
Seneca, 5 mi. N. of, N. sixteenth cor. between secs. 1 and 2, T. 25 N., R. 34 W., 3 ft. N. and 25 ft. E. from rd. at hedge fence W., in concrete post; standard tablet stamped "1357 E R A 1935"	1,085.417
Reference mark, 208 ft. S. and 5 ft. W. from tablet, in root on W. side of 18-in. walnut tree; copper nail and washer	1,078.54
Tps. 25 and 26 N., R. 34 W., cor. secs. 1, 2, 35, and 36, at T-rd. S., 8 ft. N. and 2 ft. W. from NW. corner of frame building, on NW. corner of concrete foundation of gasoline pump; chiseled square	1,059.98
T-rd. S.; surface of rd.	1,060.8
T. 26 N., R. 34 W., cor. secs. 25, 26, 35, and 36, 48 ft. S. and 35 ft. E. from dim T-rd. W., in root on NE. side of 18-in. post-oak tree; copper nail and washer	1,080.54
T. 26 N., R. 34 W., cor. secs. 25, 26, 35, and 36, at dim T-rd. W.; surface of rd.	1,079.8
T. 26 N., R. 34 W., 255 ft. S. of quarter cor. between secs. 25 and 26, in SE. corner of N. concrete abutment of steel bridge over Warren Branch; top of steel bar	1,013.64
T. 26 N., R. 34 W., quarter cor. between secs. 25 and 26, at T-rd. E.; surface of rd.	1,011.1
T. 26 N., R. 34 W., cor. secs. 23, 24, 25, and 26, 50 ft. S. and 30 ft. E. from crossroads, in root on NW. side of 24-in. black-oak tree; copper nail and washer	1,055.89
T. 25 N., R. 34 W., quarter cor. between secs. 25 and 26, at T-rd. E.; surface of rd.	1,055.8
T-rd. E.; surface of rd.	1,086.7
Spring City, 1.5 mi. S. and 4 mi. W. from, cor. secs. 13, 14, 23, and 24, T. 26 N., R. 34 W., 25 ft. N. and 16 ft. E. from T-rd. E., 3 ft. N. and 15 ft. W. from blazed tree, in concrete post; standard tablet stamped "1358 E R A 1935"	942.079
Reference mark, 71 ft. S. and 23 ft. W. from tablet, in root on NW. side of 18-in. white-oak tree; copper nail and washer	944.43
Spring City, 1 mi. S. and 4.5 mi. W. from, 0.5 mi. N. of SW. cor. sec. 14, T. 26 N., R. 34 W., 36 ft. N. and 15 ft. E. from rd. at fences E. and W., in root on W. side of 8-in. elm tree; copper nail and washer	918.65
Spring City, 0.5 mi. S. and 4.5 mi. W. from, near NW. cor. sec. 14, T. 26 N., R. 34 W., 50 ft. S. and 20 ft. W. from rd. at fence E. at entrance of T. O. Morley, in root on NE. side of 16-in. walnut tree; copper nail and washer	931.45

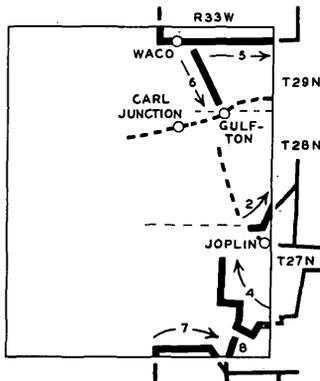
(For balance in Galena quadrangle, see line 7.)

Spring City, 0.5 mi. N. and 2.2 mi. W. from, about 500 ft. N. and 200 ft. E. from E. sixteenth cor. between secs. 6 and 7, T. 26 N., R. 33 W., 60 ft. S. and 50 ft. E. from dwelling of S. H. Toles, N. of rd., in concrete post; standard tablet stamped "1360 E R A 1935"	1,032.432
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For an additional level line along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey first-order line, Sallisaw, Okla. to Gulfton, Mo.

GALENA QUADRANGLE\*  
(Latitude 37°00'–37°15'; longitude 94°30'–94°45')

Jasper and Newton Counties



1. ISOLATED BENCHMARKS (not shown on diagram; (by D. C. Wray in 1904)

	<u>Feet</u>
Carl Junction, 1 mi. NW. of, in NW. cor. sec. 6, T. 28 N., R. 33 W., 100 ft. E. of crossroads, S. of rd.; iron post stamped "884 Crthg"	981.991
Waco, 1 mi. E. of, E. cor. secs. 12 and 13, T. 29 N., R. 34 W., 20 ft. N. and 60 ft. W. from corner stone; iron post stamped "868 Crthg" (as reset)	866.003
Joplin, SE. of intersection of Virginia Avenue and Seventh Street, in NW. corner of foundation of courthouse; aluminum tablet stamped "1009 Crthg"	1,006.104

2. FROM NORTH JOPLIN AT KANSAS CITY SOUTHERN RAILWAY BRIDGE OVER TURKEY CREEK, EAST ALONG STATE HIGHWAY 57 AND OTHER ROADS INTO CARTHAGE NO. 3 QUADRANGLE AT SEC. 35, T. 28 N., R. 33 W. (by O. F. Hodgdon in 1935)

U.S.C. & G.S. standard disk stamped "Y 47 1934"	940.024
Kansas City Southern Ry. at old State Highway 57; top of S. rail	941.6
T. 28 N., R. 33 W., in NW 1/4 sec. 35, on new State Highway 57, at bridge J-339 over Turkey Creek, in top of NW. concrete abutment; standard tablet stamped "1 H 1935"	935.307
T. 28 N., R. 33 W., quarter cor. between secs. 26 and 35, 40 ft. S. of E.-W. rd., 1 ft. W. of N.-S. fence, in concrete post; standard tablet stamped "2 H 1935"	1,006.469

(Continued in Carthage No. 3 quadrangle; see line 2.)

3. IN CITY OF JOPLIN (not shown on diagram; (by O. F. Hodgdon in 1935)  
(Continued from Carthage No. 3 quadrangle; see line 2.)

Joplin, intersection of Seventh Street and St. Charles Avenue, 7 ft. S. and 4 ft. E. from SW. property-line corner, in concrete post; standard tablet stamped "11 H 1935"	1,039.012
Joplin, intersection of Seventh Street and Illinois Avenue, 24 ft. S. and 51 ft. W. from S. entrance to Ewert Park, 7 ft. N. and 21 ft. W. from NW. property-line corner, in concrete post; standard tablet stamped "12 H 1935"	977.527
Joplin, main track of Kansas City Southern Ry. at State Highway 38 (East Seventh Street); top of E. rail	974.7
Joplin, main track of St. Louis-San Francisco Ry. at State Highway 38 (East Seventh Street); top of E. rail	975.3
Joplin, intersection of Seventh and Main Streets, at first alley E. of, S. of street, in top of limestone curb radius stone; standard tablet stamped "13 H 1935"	1,002.647
Joplin, intersection of Seventh and Main Streets, between tracks; surface of street	1,003.5
U.S.C. & G.S. standard disk stamped "W 47 1934"	997.692
Joplin, intersection of Second Street and Joplin Avenue, 111 ft. S. and 6 ft. E. from SE. property-line corner, about 1 ft. above brick walk, in NW. corner of limestone pilaster footing of brick garage; standard tablet stamped "14 H 1935"	990.553
Joplin, St. Louis-San Francisco Ry. at U.S. Highway 66 (West Seventh Street); top of E. rail	1,012.4

\*Part of this quadrangle lies in Kansas.

	<u>Feet</u>
Joplin, 12 ft. S. and 28 ft. W. from SW. corner of Seventh Street and Connor Avenue, in top of E. end of concrete foundation of gasoline pump; standard tablet stamped "15 H 1935"	1,014.358
Joplin, intersection of West Seventh Street and Maiden Lane, 22 ft. N. and 42 ft. E. from NE. property-line corner, in E. end of concrete step of filling sta.; standard tablet stamped "16 H 1935"	1,014.548
Joplin, West Seventh Street at Maiden Lane; surface of street	1,013.3
Joplin, Missouri-Kansas-Texas R.R. at West Seventh Street; top of W. rail	1,026.6
Joplin, intersection of West Seventh Street and Oliver Avenue, 22 ft. S. and 36 ft. E. from SW. property-line corner, 44 ft. E. of NW. corner of filling sta., in top of concrete walk; standard tablet stamped "17 H 1935"	1,043.992
Joplin, intersection of West Seventh Street and Schifferdecker Avenue (junction of U.S. Highway 66 and County Route P), 107 ft. N. and 47 ft. W. from SE. corner of Schifferdecker Park, in concrete post; standard tablet stamped "18 H 1935"	1,024.439
Joplin, 7 ft. N. and 5 ft. W. from SE. corner of intersection of First Street and Schifferdecker Avenue, in concrete post; standard tablet stamped "19 H 1935"	1,015.010
Chitwood, Missouri-Kansas-Texas R.R. (branch that crosses Tenth and Main Streets) at Schifferdecker Avenue; top of S. rail	1,012.2
Chitwood, Missouri-Kansas-Texas R.R. at Schifferdecker Avenue sta.; top of S. rail	998.5
Chitwood, at first curve N. of, on County Route P, 19 ft. S. and 25 ft. W. from 30-in. concrete pipe culvert, in concrete post; standard tablet stamped "20 H 1935"	980.634
T. 27 N., R. 33 W., in NW 1/4 sec. 4, near Missouri-Kansas-Texas R.R., in line with transmission line, in concrete post; standard tablet stamped "21 H 1935"	978.548
Missouri-Kansas-Texas R.R. at transmission line; top of E. rail	975.0
St. Louis-San Francisco Ry. at transmission line; top of W. rail	974.0
Smelter Hill transmission-line substation 2, at SE. corner of; top of concrete foundation	986.89
Joplin, 76 ft. S. and 16 ft. W. from intersection of Lone Elm Road and Murphy Boulevard, in top of W. head wall of concrete culvert; standard tablet stamped "22 H 1935"	953.798
Joplin, intersection of Lone Elm Road and Murphy Boulevard; surface of street	953.4
Joplin, about 0.4 mi. NW. of intersection of Lone Elm Road and Murphy Boulevard, in top of E. head wall of concrete culvert; standard tablet stamped "23 H 1935"	938.170
Joplin, Lone Elm Road under Missouri-Kansas-Texas R.R. bridge S-439.1; surface of rd.	918.3
Joplin, on Lone Elm Road, at bridge over Turkey Creek, in SE. corner of N. stone abutment; standard tablet stamped "24 H 1935"	915.551
Joplin, on Lone Elm Road, at bridge over Turkey Creek, in top of upstream end of right abutment; standard tablet (set by water-resources branch of U.S.Geol. Survey)	915.541
Bridge over Turkey Creek, on top of N. end of W. curb; chiseled square (established by water-resources branch of U.S.Geol. Survey)	916.64
Bridge over Turkey Creek, in S. end of upstream truss; top of anchorbolt (established by water-resources branch of U.S.Geol. Survey)	916.10
Bridge over Turkey Creek, 30 ft. N. and 47 ft. W. from N. end of W. truss, 6 in. above ground in W. side of 11-in. birch tree; top of iron rod	914.61
Joplin, intersection of Lone Elm Road and crossroad, about 500 ft. N. of Turkey Creek; surface of rd.	933.2
Joplin, intersection of North Main and First Streets; surface of street	992.3
4. FROM CARTHAGE NO. 3 QUADRANGLE AT JOPLIN, SOUTHWEST TO SHOAL CREEK PUMPING STATION, THENCE NORTHWEST TO SCHIFFERDECKER PARK (by O. F. Hodgdon in 1935) (Continued from Carthage No. 3 quadrangle; see line 4.)	
Joplin, 35 ft. S. and 105 ft. W. from junction of Thirty-second Street (U.S. Highway 71) and rd. S., in concrete post; standard tablet stamped "31 H 1935"	1,039.196
Joplin, 41 ft. S. and 38 ft. W. from junction of Thirty-second Street and rd. S., on Jasper-Newton county line, in concrete post; standard tablet stamped "32 H 1935"	1,043.807
Joplin, intersection of Thirty-second Street and rd. S.; surface of street	1,045.2
Joplin, 14 ft. N. and 14 ft. E. from intersection of Thirty-second Street and Iowa Avenue S., on Jasper-Newton county line, in top of N. head wall of concrete pipe culvert; standard tablet stamped "33 H 1935"	1,064.665
Joplin, 3 ft. S. and 24 ft. E. from intersection of Thirty-ninth Street and Iowa Avenue, in concrete post; standard tablet stamped "34 H 1935"	1,059.757
Joplin, 41 ft. N. and 40 ft. W. from intersection of Forty-fourth Street and Iowa Avenue, in concrete post; standard tablet stamped "35 H 1935"	1,022.596
Joplin, intersection of Forty-fourth and Main Streets; surface of street	1,035.6
Joplin, 30 ft. S. and 36 ft. E. from intersection of Forty-fourth and Main Streets, in concrete post; standard tablet stamped "36 H 1935"	1,038.229
Joplin, 58 ft. N. and 48 ft. E. from intersection of Forty-fourth Street and Glendale Boulevard, in concrete post; standard tablet stamped "37 H 1935"	1,038.734
Joplin, intersection of Forty-fourth Street and Jackson Avenue; surface of street	1,037.2
Joplin, 41 ft. N. and 48 ft. W. from intersection of Glendale and Murphy Boulevards, 18 ft. N. and 48 ft. W. from N. abutment of low-water bridge over Shoal Creek, in concrete post; standard tablet stamped "38 H 1935"	896.234
Joplin, intersection of Jackson Avenue and Murphy Boulevard; surface of street	892.4

	Feet
Joplin, 77 ft. N. of Murphy Boulevard, 73 ft. S. and 10 ft. W. from brick chimney of Shoal Creek pumping sta., 3 ft. W. of cinder track, 3 ft. N. of S. end of concrete walk, in walk; standard tablet stamped "39 H 1935"	891.536
Joplin, Missouri Pacific R.R. (Grand Falls branch) at Murphy Boulevard; top of W. rail	890.3
Joplin, 4 ft. N. of SE. corner of McClelland School, in W. end of S. concrete step; standard tablet stamped "40 H 1935"	985.814
Joplin, 82 ft. W. of McClelland Boulevard, 31 ft. N. of S. line of New City Cemetery, in concrete post; standard tablet stamped "41 H 1935"	1,019.807
Parkview Cemetery, 30 ft. S. and 29 ft. W. from main entrance to, E. of McClelland Boulevard, on top of 12- by 12-in. concrete post; chiseled square	1,030.41
Joplin, 43 ft. S. and 55 ft. W. from intersection of Thirty-second Street and McClelland Boulevard, on Jasper-Newton county line, in concrete post; standard tablet stamped "42 H 1935"	1,002.987
Joplin, Missouri Pacific R.R. (Grand Falls branch) at McClelland Boulevard; top of N. rail	974.2
Joplin, intersection of Twenty-sixth Street and Maiden Lane, in pavement; iron pin	1,035.74
Joplin, 84 ft. N. and 40 ft. E. from intersection of Twenty-sixth Street and Maiden Lane, at SW. corner of Cunningham Park, in concrete post; standard tablet stamped "43 H 1935"	1,040.481
Joplin, at NW. corner of New City Cemetery, 34 ft. S. of Thirty-second Street on Jasper-Newton county line, 39 ft. E. of N.-S. transmission line, in concrete post; standard tablet stamped "44 H 1935"	1,016.124
Joplin, intersection of Thirty-second Street and Schifferdecker Avenue; surface of street	973.1
Joplin, 940 ft. S. and 15 ft. W. from intersection of Thirty-second Street and Schifferdecker Avenue, in top of W. head wall of concrete culvert; standard tablet stamped "45 H 1935"	958.904
T. 27 N., R. 33 W., 133 ft. N. and 300 ft. E. from S. sixteenth cor. between secs. 16 and 17, 27 ft. S. and 112 ft. W. from SW. corner of front porch of dwelling of F. R. Hodgdon, in concrete post; standard tablet stamped "46 H 1935"	1,001.396
Joplin, 40 ft. S. and 40 ft. E. from intersection of Twenty-sixth Street and Schifferdecker Avenue, in concrete post; standard tablet stamped "47 H 1935"	1,014.935
Joplin, intersection of Twenty-sixth Street and Schifferdecker Avenue; surface of street	1,015.9
Joplin, electric R.R. at Schifferdecker Avenue; top of S. rail	1,037.9
Joplin, St. Louis-San Francisco Ry. at Schifferdecker Avenue; top of S. rail	1,037.8
Joplin, 40 ft. S. and 95 ft. W. from intersection of Twentieth Street and Schifferdecker Avenue, in top of concrete post; standard tablet stamped "48 H 1935"	1,025.567
Joplin, intersection of Twentieth Street and Schifferdecker Avenue; surface of street	1,024.7
Joplin, intersection of Thirteenth Street and Schifferdecker Avenue; surface of street	1,024.8
Joplin, 93 ft. N. and 46 ft. E. from intersection of Thirteenth Street and Schifferdecker Avenue, in concrete post; standard tablet stamped "49 H 1935"	1,023.665
Joplin, St. Louis-San Francisco Ry. at Schifferdecker Avenue; top of S. rail	1,031.0
Joplin, intersection of Seventh Street and Schifferdecker Avenue; surface of street	1,026.3
5. FROM PITTSBURG QUADRANGLE AT SEC. 15, T. 29 N., R. 34 W., EAST BY WAY OF WACO INTO CARTHAGE NO. 3 QUADRANGLE SEC. 11, T. 29 N., R. 33 W. (by A. R. Friend in 1936) (Continued from Pittsburg quadrangle; see line 3.)	
Waco, 1.2 mi. W. of W. cor. secs. 10 and 15, T. 29 N., R. 34 W., on Kans.-Mo. State line, 20 ft. S. and 25 ft. E. from T-rd. E.; iron post stamped "Prim Trav Sta No 14 1916 Mo"	886.134
Waco, at E. limits of, cor. secs. 11, 12, 13, and 14, T. 29 N., R. 34 W., at crossroads, on S. end of concrete base of gasoline pumps; chiseled square	894.68
Waco, about 0.8 mi. E. of E. sixteenth cor. between secs. 12 and 13, T. 29 N., R. 34 W., 450 ft. S. of State Highway 57 at crossroad, on W. head wall of concrete culvert; chiseled square	866.51
Waco, 1.5 mi. E. of, on line between secs. 7 and 18, T. 29 N., R. 33 W., at bridge over Spring River, in top of N. pier on W. end of main bridge span; standard tablet (set by water-resources branch of U.S. Geol. Survey)	859.528
T. 29 N., R. 33 W., cor. secs. 7, 8, 17, and 18, 18 ft. N. and 40 ft. W. from T-rd. S., in root on W. side of 12-in. hedge tree; copper nail and washer	853.84
T. 29 N., R. 33 W., cor. secs. 8, 9, 16, and 17, 180 ft. N. and 18 ft. W. from crossroads, in base of 8-in. wild-cherry tree; copper nail and washer	889.10
T. 29 N., R. 33 W., cor. secs. 9, 10, 15, and 16, 100 ft. S. and 25 ft. E. from T-rd. S., in top of stump between twin 6-in. hedge trees; copper nail and washer	918.31
T. 29 N., R. 33 W., on line between secs. 10 and 15, at crossroads, in fork of twin 6-in. wild-cherry tree; crossed nails	950.80
T. 29 N., R. 33 W., cor. secs. 10, 11, 14, and 15, 15 ft. N. and 25 ft. E. from crossroads; iron post stamped "Prim Trav Sta No 12 1916 Mo"	944.308

(Continued in Jasper quadrangle; see line 3.)

## 6. FROM POINT ABOUT 0.8 MILE EAST OF WACO, SOUTHEAST ALONG STATE HIGHWAY 57 TO GULFTON (by A. R. Friend in 1936)

	Feet
Junction of rd. W., at fence corner; top of post	859.8
Gulfton, about 3.8 mi. N. of, 900 ft. S. of junction of old rd. N., 500 ft. N. of junction of rd. E., on top of NW. corner of bridge over Spring River; chiseled square	858.53
Burgess, 25 ft. N. and 30 ft. E. from E.-W. crossroad, in front of Burgess Market, on top of right-of-way post; chiseled cross	873.26
Gulfton, about 1.4 mi. N. of, 65 ft. N. and 15 ft. W. from junction of State Highway 16, on W. head wall of concrete culvert; chiseled square	904.67
Gulfton, about 0.2 mi. N. of, 12 ft. S. and 15 ft. W. from E.-W. crossroad, on S. end of concrete pipe culvert; chiseled square	908.74
U.S.C. & G.S. standard disk stamped "Z 47 1934"	895.894

## 7. FROM SENECA QUADRANGLE AT SEC. 2, T. 26 N., R. 34 W., EAST INTO SENECA QUADRANGLE AT SEC. 9, T. 26 N., R. 33 W. (by R. W. Mattox in 1936)

(Continued from Seneca quadrangle; see line 4.)

Spring City, 0.5 mi. N. and 4 mi. W. from, in SW 1/4 sec. 2, T. 26 N., R. 34 W., on Kans.-Mo. State line, 25 ft. N. and 30 ft. E. from T-rd. E., in concrete post; standard tablet stamped "1359 E R A 1935"	1,034.629
Reference mark, 15 ft. S. and 80 ft. W. from tablet, in root on NW. side of 16-in. oak tree; copper nail and washer	1,032.23
T-rd. N., 40 ft. S. of, in root on N. side of 12-in. oak tree; crossed nails	1,061.00
Spring City, 0.5 mi. N. and 3 mi. W. from, S. sixteenth cor. sec. 1, T. 26 N., R. 34 W., 40 ft. S. and 50 ft. W. from T-rd. W., in root on N. side of 24-in. oak tree; copper nail and washer	1,046.78
Rd. corner, 30 ft. N. and 10 ft. E. from, in root on SW. side of 12-in. oak tree; crossed nails	1,125.36

(Continued in Seneca quadrangle; see line 4.)

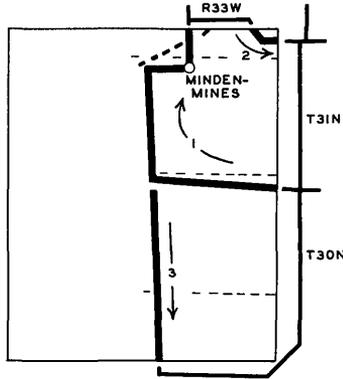
## 8. FROM SENECA QUADRANGLE AT SEC. 9, T. 26 N., R. 33 W., NORTE TO McCLELLAND SCHOOL IN JOPLIN (by R. W. Mattox in 1936)

Joplin, 3.2 mi. S. and 2.8 mi. W. from, near center of NW 1/4 sec. 29, T. 27 N., R. 33 W., 50 ft. S. and 100 ft. W. from S. end of Filmore Bridge, in root on E. side of 16-in. oak tree; copper nail and washer	864.93
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For additional level lines along St. Louis-San Francisco Ry. and Kansas City Southern Ry., refer to United States Coast and Geodetic Survey first-order line, Medford, Okla. to Carthage, Mo.; and second-order line, Sallisaw, Okla. to Gulfton, Mo.

PITTSBURG QUADRANGLE \*  
 (Latitude  $37^{\circ}15' - 37^{\circ}30'$ ; longitude  $94^{\circ}30' - 94^{\circ}45'$ )

Barton and Jasper Counties



1. FROM JASPER QUADRANGLE AT SEC. 7, T. 30 N., R. 32 W., WEST TO MISSOURI-KANSAS STATE LINE, THENCE NORTH BY WAY OF MINDENMINES INTO LIBERAL QUADRANGLE AT SEC. 29, T. 32 N., R. 33 W. (by C. N. Ackerman in 1935)  
 (Continued from Jasper quadrangle; see line 2.)

	<u>Feet</u>
Nashville, 1.5 mi. W. of, 28 ft. N. and 220 ft. W. from rd. at fence S. at approximate cor. secs. 1, 2, 11, and 12, T. 30 N., R. 33 W., 28 ft. N. and 50 ft. E. from rd. fork SE., 1 ft. SW. of fence corner, on top of stone ledge; chiseled square	898.74
T. 30 N., R. 33 W., cor. secs. 2, 3, 10, and 11, 50 ft. N. and 8 ft. E. from crossroads, on top of E. head wall of concrete culvert; chiseled square	938.12
T. 30 N., R. 33 W., cor. secs. 3, 4, 9, and 10, 41 ft. N. and 43 ft. W. from crossroads, in SE. corner of pasture, in concrete post; standard tablet stamped "522 C W A 1934"	968.140
T. 30 N., R. 33 W., approximate cor. secs. 4, 5, 8, and 9, 23 ft. N. and 8 ft. E. from crossroads, on top of E. head wall of concrete culvert; chiseled square	938.79
T. 30 N., R. 33 W., approximate cor. secs. 5, 6, 7, and 8, 108 ft. S. and 22 ft. E. from SE. corner of schoolhouse, 27 ft. N. and 40 ft. W. from crossroads, in root on S. side of 12-in. hedge tree; copper nail and washer	941.33
T. 30 N., R. 33 W., W. cor. secs. 6 and 7, on Kans.-Mo. State line, 49 ft. S. and 29 ft. E. from T-rd., in concrete post; standard tablet stamped "510 C W A 1934"	943.652
Tps. 30 and 31 N., R. 33 W., cor. secs. 6 and 31, on Kans.-Mo. State line, 25 ft. S. and 30 ft. E. from T-rd. E., in root on NE. side of twin 24-in. hedge tree; copper nail and washer	940.28
T. 31 N., R. 33 W., W. cor. secs. 30 and 31, on Kans.-Mo. State line, 65 ft. S. and 25 ft. W. from T-rd. E., in hedge row, in 5-in. hedge stump; copper nail and washer	932.83
T. 31 N., R. 33 W., W. cor. secs. 19 and 30, on Kans.-Mo. State line, 45 ft. S. of rd. E., 32 ft. E. of N.-S. rd., in NW. corner of field, in concrete post; standard tablet stamped "529 C W A 1934"	928.324
T. 31 N., R. 33 W., W. cor. secs. 18 and 19, on Kans.-Mo. State line, 30 ft. E. of rd. at fence E., in notch on N. side of corner fence post; copper nail and washer	947.62
T. 31 N., R. 33 W., near W. cor. secs. 7 and 18, on Kans.-Mo. State line, 33 ft. S. and 24 ft. E. from T-rd. E., in notch on S. side of post; copper nail and washer	938.31
T. 31 N., R. 33 W., in SW. cor. of SW 1/4 sec. 6, on Kans.-Mo. State line, about 0.3 mi. S. of U.S. Highway 160, on top of W. head wall of concrete culvert; chiseled square	930.98
T. 31 N., R. 33 W., in sec. 6, on Kans.-Mo. State line, 237 ft. S. of Missouri Pacific R.R., 53 ft. N. of U.S. Highway 160, 33 ft. E. of N.-S. rd., in concrete post; standard tablet stamped "528 C W A 1934"	945.380
Mindenmines, 0.3 mi. W. of, in sec. 6, T. 31 N., R. 33 W., 34 ft. N. and 25 ft. W. from U.S. Highway 160 at abandoned narrow gage R.R. track, at E. end of pipe culvert; top of center rivet	957.94
Mindenmines, in NW. part of, 20 ft. N. and 80 ft. W. from rd. fork NW. at approximate cor. secs. 5, 6, 31, and 32, Tps. 31 and 32 N., R. 33 W., in root on S. side of 14-in. hedge tree; copper nail and washer	965.25

\*Part of this quadrangle lies in Kansas.

T. 32 N., R. 33 W., cor. secs. 29, 30, 31, and 32, 25 ft. N. and 28 ft. W. from crossroads, in notch on SE. side of fence post; copper nail and washer	<u>Feet</u> 948.09
(Continued in Liberal quadrangle; see line 1.)	
2. FROM LIBERAL QUADRANGLE AT SEC. 25, T. 32 N., R. 33 W., EAST INTO JASPER QUADRANGLE AT SEC. 30, T. 32 N., R. 32 W. (by C. N. Ackerman in 1935)	
(Continued from Liberal quadrangle; see line 1.)	
T. 32 N., R. 33 W., E. quarter cor. sec. 25, 18 ft. N. and 24 ft. E. from T-rd. E., in notch on W. side of corner fence post; copper nail and washer	973.28
3. FROM SEC. 6, T. 30 N., R. 33 W., SOUTH ALONG KANSAS-MISSOURI STATE LINE INTO GALENA QUADRANGLE AT SEC. 15, T. 29 N., R. 34 W. (by A. R. Friend in 1936)	
T. 30 N., R. 33 W., about 0.8 mi. S. of W. cor. secs. 6 and 7, on Kans.-Mo. State line rd., 150 ft. N. of T-rd. W., on S. end of E. head wall of concrete culvert; chiseled square	921.69
T-rd. E. on Kans.-Mo. State line, on W. head wall of concrete culvert; chiseled square	920.42
T. 30 N., R. 33 W., near W. cor. secs. 18 and 19, 155 ft. S. and 45 ft. W. from T-rd. W., in SE. corner of small cemetery, in root on N. side of 12-in. wild-cherry tree; copper nail and washer	915.04
T-rd. E., on S. head wall of concrete culvert; chiseled square	913.73
East Opolis, 0.5 mi. S. of, in SW. cor. sec. 19, T. 30 N., R. 33 W., 280 ft. S. of State Highway 57 at rd. N. along Kans.-Mo. State line, on E. head wall of concrete culvert; chiseled square	913.23
T. 30 N., R. 33 W., in NW 1/4 sec. 30, on Kans.-Mo. State line, 380 ft. S. and 35 ft. E. from T-rd. E., 140 ft. W. of State Highway 57, 60 ft. W. of St. Louis-San Francisco Ry. track, in concrete post; standard tablet stamped "523 C W A 1934"	908.631
U.S.C. & G.S. standard reference disk stamped "Opolis No 1 1935"	909.551
T-rd. W., on N. end of concrete culvert; chiseled square	908.78
T. 30 N., R. 33 W., W. cor. secs. 30 and 31, 16 ft. S. and 20 ft. E. from T-rd. E.; top of concrete post	909.22
T-rd. W., 90 ft. S. and 30 ft. W. from T-rd. W., in root of stump; crossed nails	907.57
T. 30 N., R. 34 W., near SW. cor. sec. 31, 210 ft. N. and 35 ft. W. from T-rd. E., in edge of pasture, in root on E. side of 10-in. catalpa tree; copper nail and washer	904.20
T. 29 N., R. 34 W., about 1 mi. S. of NW. cor. sec. 3, on Kans.-Mo. State line, 43 ft. S. and 40 ft. E. from T-rd. E., in concrete post; standard tablet stamped "524 C W A 1934"	889.982
T-rd. W., E. of, in base of telephone pole; nails	887.14
T. 29 N., R. 34 W., about 1 mi. N. of SW. cor. sec. 3, on Kans.-Mo. State line, 35 ft. S. and 12 ft. E. from T-rd. E., on N. end of E. head wall of concrete culvert; chiseled square	888.43
T-rd. W., on wing wall of concrete culvert; chiseled square	893.04
T. 29 N., R. 34 W., approximate W. cor. secs. 3 and 10, on Kans.-Mo. State line, 6 ft. N. and 15 ft. E. from T-rd. E., on N. end of concrete culvert; chiseled square	889.75
T-rd. W., in base of corner fence post; crossed nails	882.09

(Continued in Galena quadrangle; see line 5.)

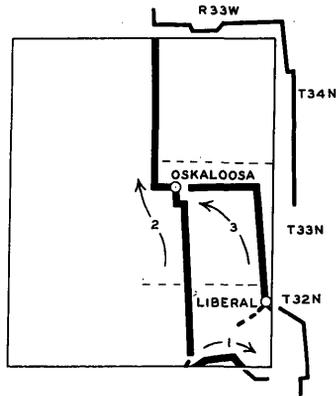
TIE BETWEEN UNITED STATES COAST AND GEODETIC SURVEY SECOND-ORDER LINE AND UNITED STATES GEOLOGICAL SURVEY THIRD-ORDER LINE NEAR MINDEN-MINES (by Cornish Beck in 1935)

U.S.C. & G.S. standard disk stamped "P 107 1935"	961.789
T. 32 N., R. 33 W., cor. secs. 29, 30, 31, and 32, 25 ft. N. and 28 ft. W. from crossroads, in notch on SE. side of fence post; copper nail and washer	948.09

For an additional level line along Missouri Pacific R.R., refer to United States Coast and Geodetic Survey second-order line, Cherokee, Kans. to Nichols, Mo.

LIBERAL QUADRANGLE\*  
 (Latitude 37°30'-37°45'; longitude 94°30'-94°45')

Barton and Vernon Counties



1. FROM PITTSBURG QUADRANGLE AT SEC. 29, T. 32 N., R. 33 W., EAST AND SOUTH INTO PITTSBURG QUADRANGLE AT SEC. 25, T. 32 N., R. 33 W. (by C. N. Ackerman in 1935)  
 (Continued from Pittsburg quadrangle; see line 1.)

T. 32 N., R. 33 W., approximate cor. secs. 19, 20, 29, and 30, 36 ft. S. and 8 ft. W. from crossroads, on top of W. head wall of concrete culvert; chiseled square	Feet 917.68
T. 32 N., R. 33 W., cor. secs. 20, 21, 28, and 29, 50 ft. N. and 25 ft. E. from T-rd. N., in top of 5-in. stump near grove of trees; copper nail and washer	948.91
T. 32 N., R. 33 W., cor. secs. 21, 22, 27, and 28, 28 ft. S. and 100 ft. W. from crossroads, in root at center of twin 8-in. wild-cherry tree; copper nail and washer	948.78
T. 32 N., R. 33 W., cor. secs. 22, 23, 26, and 27, 31 ft. N. and 25 ft. W. from T-rd. N., in concrete post; standard tablet stamped "1203 C W A 1934"	961.427
T. 32 N., R. 33 W., cor. secs. 23, 24, 25, and 26, 20 ft. N. and 20 ft. E. from crossroads, on concrete base of corner fence post; chiseled square	1,001.79
T. 32 N., R. 33 W., near E. cor. secs. 24 and 25, 20 ft. N. and 20 ft. W. from rd. corner W.-S., on concrete base of corner fence post; chiseled square	981.62

(Continued in Pittsburg quadrangle; see line 2.)

2. FROM SEC. 17, T. 32 N., R. 33 W., NORTH INTO FORT SCOTT NO. 1 QUADRANGLE AT SEC. 6, T. 34 N., R. 33 W. (by Cornish Beck in 1935)

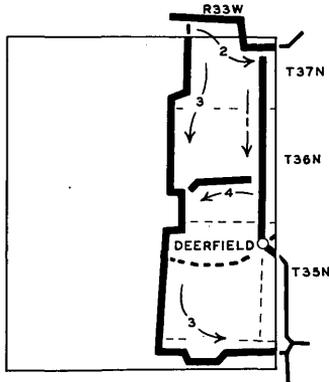
Fairview School, cor. secs. 17, 18, 19, and 20, T. 32 N., R. 33 W., 21 ft. E. of NE. corner of schoolhouse, 72 ft. S. and 29 ft. W. from crossroads, in concrete post; standard tablet stamped "239 C W A 1934"	955.403
T. 32 N., R. 33 W., cor. secs. 7, 8, 17, and 18, 14 ft. N. and 23 ft. W. from T-rd. W., on N. head wall of concrete culvert; chiseled square	873.78
T. 32 N., R. 33 W., cor. secs. 5, 6, 7, and 8, 25 ft. N. and 21 ft. W. from crossroads, in S. side of transmission-line pole; spike	883.38
Coal Valley School, in NE. cor. sec. 6, T. 32 N., R. 33 W., 12 ft. N. and 8 ft. E. from NE. corner of schoolhouse, in concrete post; standard tablet stamped "238 C W A 1934"	857.596
T. 33 N., R. 33 W., cor. secs. 29, 30, 31, and 32, 12 ft. S. and 15 ft. E. from crossroads, on head wall of concrete culvert; chiseled square	842.29
Crossroads, NE. corner of; (mark not described)	867.4
T. 33 N., R. 33 W., near quarter cor. between secs. 19 and 20, on St. Louis-San Francisco Ry., 56 ft. S. and 23 ft. E. from N.-S. rd. crossing, in concrete post; standard tablet stamped "237 C W A 1934"	859.213
T. 33 N., R. 33 W., cor. secs. 17, 18, 19, and 20, 45 ft. N. and 24 ft. W. from crossroads, in E. side of fence post; nail	865.51
T. 33 N., R. 33 W., cor. secs. 7, 8, 17, and 18, 55 ft. N. and 26 ft. W. from T-rd. E., in top of 24-in. cherry-tree stump; copper nail and washer	839.70

\*Part of this quadrangle lies in Kansas.

	Feet
U.S.C. & G.S. standard disk stamped "Arcadia Azimuth 1934"	865.993
Oskaloosa, 0.2 mi. N. of Kansas City Southern Ry. sta., about 1.3 mi. E. of W. cor. secs. 6 and 7, T. 33 N., R. 33 W., 40 ft. W. of track, 25 ft. N. of rd., in concrete post; standard tablet stamped "225 C W A 1934"	865.920
T. 33 N., R. 33 W., on line between secs. 6 and 7, about 0.4 mi. W. of Kans.-Mo. State line, 24 ft. N. and 17 ft. W. from rd. at fence S., in E. fork of 14-in. peach tree; copper nail and washer	878.04
T. 33 N., R. 33 W., W. cor. secs. 6 and 7, 18 ft. N. and 27 ft. E. from T-rd., on NE. corner of head wall of culvert; chiseled square	863.70
Tps. 33 and 34 N., R. 33 W., W. cor. secs. 6 and 31, 80 ft. S. and 23 ft. E. from T-rd. E., 2 ft. above ground in transmission-line pole; spike	837.81
T. 34 N., R. 33 W., W. cor. secs. 30 and 31, on Kans.-Mo. State line, 0.3 mi. S. of T-rd. E., 17 ft. E. of rd., in concrete post; standard tablet stamped "226 C W A 1934"	858.952
T. 34 N., R. 33 W., W. cor. secs. 19 and 30, 8 ft. N. and 33 ft. W. from T-rd. E., in E. side of 12-in. elm tree; spike	800.04
Dry Wood Creek, under bridge; surface of water Dec. 9, 1935	779.6
Bridge over Dry Wood Creek; top of NE. wing wall	801.4
T. 34 N., R. 33 W., SW. cor. sec. 18, 50 ft. N. and 9 ft. E. from T-rd. E., in root on SW. side of 46-in. elm tree; copper nail and washer	797.75
T. 34 N., R. 33 W., W. cor. secs. 7 and 18, on Kans.-Mo. State line, 41 ft. S. and 23 ft. E. from T-rd. E., in concrete post; standard tablet stamped "310 C W A 1934"	828.614
T. 34 N., R. 33 W., W. cor. secs. 6 and 7, 28 ft. N. and 41 ft. E. from T-rd. E., on head wall of culvert; chiseled square	828.22
T. 34 N., R. 33 W., 1 mi. N. of SW. cor. sec. 6, 44 ft. S. and 29 ft. W. from T-rd. E., in E. side of 18-in. hedge tree; spike	865.84
3. FROM LIBERAL NORTH TO SEC. 11, T. 33 N., R. 33 W., THENCE WEST TO OSKALOOSA (by C. N. Ackerman and Cornish Beck in 1935-36) (Continued from Sheldon quadrangle; see line 4.)	
Liberal, near SE. corner of high school, 27 ft. N. and 3 ft. W. from inside corner of sidewalk, in concrete post; standard tablet stamped "220 C W A 1934"	894.067
T. 33 N., R. 33 W., S. cor. secs. 35 and 36, 30 ft. N. and 50 ft. E. from crossroads, on top of highway right-of-way post; chiseled cross	891.80
T. 33 N., R. 33 W., cor. secs. 25, 26, 35, and 36, 145 ft. S. and 18 ft. E. from rd. at E.-W. fence, in root on NW. side of 24-in. catalpa tree; copper nail and washer	900.60
Bridge over Dry Wood Creek; top of NE. abutment	838.5
T. 33 N., R. 33 W., cor. secs. 23, 24, 25, and 26, 26 ft. N. and 20 ft. E. from crossroads, 2 ft. N. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "216 C W A 1934"	888.496
T. 33 N., R. 33 W., cor. secs. 13, 14, 23, and 24, 9 ft. N. and 21 ft. E. from crossroads, on N. end of concrete pipe culvert; chiseled square	861.60
T. 33 N., R. 33 W., cor. secs. 11, 12, 13, and 14, 140 ft. S. and 9 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	853.00
T. 33 N., R. 33 W., cor. secs. 10, 11, 14, and 15, 8 ft. N. and 21 ft. W. from crossroads, on head wall of culvert; chiseled square	856.84
T. 33 N., R. 33 W., cor. secs. 9, 10, 15, and 16, 8 ft. N. and 116 ft. E. from crossroads, on head wall of concrete culvert; chiseled square	807.75
Under bridge; surface of water at 11 a.m. Dec. 12, 1935	785.6
T. 33 N., R. 33 W., cor. secs. 8, 9, 16, and 17, 14 ft. S. and 19 ft. W. from crossroads, on head wall of concrete culvert; chiseled square	825.23
TIE BETWEEN UNITED STATES COAST AND GEODETIC SURVEY SECOND-ORDER LINE AND UNITED STATES GEOLOGICAL SURVEY THIRD-ORDER LINE AT LIBERAL	
Liberal, near SE. corner of high school, 27 ft. N. and 3 ft. W. from inside corner of sidewalk, in concrete post; standard tablet stamped "220 C W A 1934"	894.067
U.S.C. & G.S. standard disk stamped "J 107 1934"	896.081
For an additional level line along Missouri Pacific R.R. and St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey second-order line, Cherokee, Kans. to Nichols, Mo.	

FORT SCOTT NO. 1 QUADRANGLE\*  
(Latitude 37°45'-38°00'; longitude 94°30'-94°45')

Vernon County



1. FROM SEC. 12, T. 37 N., R. 33 W., SOUTH ALONG ROADS TO SEC. 12, T. 36 N., R. 33 W., THENCE SOUTH ALONG COUNTY ROUTE H INTO NEVADA QUADRANGLE AT DEERFIELD (by H. P. Jones in 1933)

	<u>Feet</u>
T. 37 N., R. 33 W., E. cor. secs. 12 and 13, 53 ft. N. and 24 ft. W. from T-rd. W., 17 ft. N. and 24 ft. W. from T-rd. E. at W. cor. secs. 7 and 18, T. 37 N., R. 32 W., in concrete post; standard tablet stamped "T T 30 B 1933 823"	822.576
T. 37 N., R. 33 W., E. cor. secs. 13 and 24, 25 ft. S. and 18 ft. E. from T-rd. N., in root on N. side of 18-in. maple tree; copper nail and washer	773.73
T. 37 N., Rs. 32 and 33 W., cor. secs. 19, 24, 25, and 30, 20 ft. S. of rd. corner, about 1 ft. above ground, in E. gatepost; spike	757.97
T. 37 N., Rs. 32 and 33 W., cor. secs. 25, 30, 31, and 36, 37 ft. S. and 24 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 31 B 1933 786"	786.073
Tps. 36 and 37 N., Rs. 32 and 33 W., cor. of, 15 ft. N. and 15 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	791.19
T. 36 N., Rs. 32 and 33 W., cor. secs. 1, 6, 7, and 12, 20 ft. S. and 10 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	823.93
T. 36 N., Rs. 32 and 33 W., near cor. secs. 7, 12, 13, and 18, 35 ft. S. and 30 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 32 B 1933 812"	811.500
T. 36 N., Rs. 32 and 33 W., cor. secs. 13, 18, 19, and 24, 10 ft. S. and 18 ft. E. from crossroad, on top of head wall of concrete culvert; chiseled square	793.15
T. 36 N., Rs. 32 and 33 W., cor. secs. 19, 24, 25, and 30, 20 ft. N. and 128 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 33 B 1933 785" (as reset in 1933)	784.640
Reference mark, 15 ft. N. and 15 ft. E. from crossroads, on head wall of concrete culvert; chiseled square	784.08
T. 36 N., Rs. 32 and 33 W., cor. secs. 25, 30, 31, and 36, 18 ft. S. and 20 ft. E. from crossroad, on top of head wall of concrete culvert; chiseled square	794.90
Tps. 35 and 36 N., Rs. 32 and 33 W., cor. of, 25 ft. N. and 10 ft. W. from junction of rd. E., on top of head wall of concrete culvert; chiseled square	778.74
Deerfield, in NW. part of, 45 ft. S. and 45 ft. W. from U.S. Highway 54 at crossroad, opposite church, in NE. part of schoolyard, 6 ft. NW. of sidewalk, in concrete post; standard tablet stamped "T T 38 B 1933 792"	791.535

(Continued in Nevada quadrangle; see line 3.)

2. FROM SEC. 6, T. 37 N., R. 33 W., EAST TO SEC. 7, T. 37 N., R. 32 W., INCLUDING THAT PART OF THE LINE IN HUME QUADRANGLE (by H. P. Jones in 1934)\*\*

T. 37 N., R. 33 W., W. cor. secs. 6 and 7, on Kans.-Mo. State line, 22 ft. N. and 28 ft. E. from T-rd. E., 3 ft. N. and 4 ft. E. from fence corner, in concrete post; standard tablet stamped "304 C W A 1934 834"	833.644
T. 37 N., R. 33 W., W. quarter cor. sec. 7, 35 ft. N. and 15 ft. E. from T-rd. E., in root on N. side of 9-in. willow tree; copper nail and washer	787.91

\*Part of this quadrangle lies in Kansas.

\*\*Line 1 of Hume quadrangle includes a portion of this line (see Bull. 898-H, p. 1104).

	<u>Feet</u>
T. 37 N., R. 33 W., in SE 1/4 sec. 7, 50 ft. S. and 10 ft. E. from rd. corner N.-E., in root on W. side of 22-in. cottonwood tree; copper nail and washer	793.96
T. 37 N., R. 33 W., S. sixteenth cor. sec. 8, 25 ft. S. and 15 ft. E. from T-rd. W., in root on SW. side of 9-in. elm tree; copper nail and washer	788.88
T. 37 N., R. 33 W., E. sixteenth cor. between secs. 5 and 8, 40 ft. S. and 15 ft. W. from T-rd. S., in root on W. side of 16-in. pecan tree; copper nail and washer	818.14
T. 37 N., R. 33 W., in NW 1/4 sec. 9, 27 ft. S. and 22 ft. E. from T-rd. S., 2 ft. S. and 2 ft. E. from fence corner, in concrete post; standard tablet stamped "289 C W A 1934 848"	847.484
T. 37 N., R. 33 W., in NE 1/4 sec. 16, 10 ft. S. and 90 ft. E. from T-rd. S., on SW. wing wall of concrete culvert; chiseled square	786.14
T. 37 N., R. 33 W., center sec. 10, 15 ft. N. and 10 ft. E. from T-rd. E., on SE. wing wall of concrete culvert; chiseled square	820.12
Wolf School, 0.2 mi. E. of, center sec. 11, T. 37 N., R. 33 W., 34 ft. N. and 16 ft. W. from crossroads, in corner of field, in concrete post; standard tablet stamped "312 C W A 1934 817"	817.496
T. 37 N., R. 33 W., cor. secs. 11, 12, 13, and 14, 15 ft. N. and 20 ft. E. from T-rd. E., on head wall of concrete culvert; chiseled square	821.16
T. 37 N., R. 32 W., in SW 1/4 sec. 7, at E. entrance to Stony Point School, on NE. corner of concrete porch; chiseled square	877.83
3. FROM SEC. 9, T. 37 N., R. 33 W., SOUTH TO SWART, THENCE EAST INTO NEVADA QUADRANGLE AT SEC. 1, T. 34 N., R. 33 W., INCLUDING THAT PART OF THE LINE IN HUME QUADRANGLE (by C. T. Shepherd in 1935)	
T. 37 N., R. 33 W., 650 ft. E. of SW. cor. sec. 9, at T-rd. N., on W. end of NE. wing wall of concrete bridge; chiseled square	794.66
T. 37 N., R. 33 W., near E. sixteenth cor. between secs. 9 and 16, 10 ft. S. and 90 ft. E. from T-rd. S., on SW. wing wall of concrete culvert; chiseled square	786.11
Stotesbury, 0.5 mi. N. of, in NE 1/4 sec. 21, T. 37 N., R. 33 W., on E. end of S. abutment of bridge over Little Osage River; chiseled square	777.63
Stotesbury, in SE 1/4 sec. 21, T. 37 N., R. 33 W., 410 ft. N. and 24 ft. W. from Kansas City Southern Ry. sta., 4 ft. N. and 13 ft. E. from milepost K C-89, in concrete post; standard tablet stamped "442 C W A 1934"	787.571
Stotesbury, 1 mi. W. of, in SW. cor. sec. 21, T. 37 N., R. 33 W., 25 ft. N. and 9 ft. E. from crossroads, on E. head wall of concrete culvert; chiseled square	816.54
Stotesbury, 1 mi. S. and 1 mi. W. from, in SW. cor. sec. 28, T. 37 N., R. 33 W., 24 ft. N. and 12 ft. E. from T-rd. E., on E. head wall of concrete culvert; chiseled square	794.05
T. 36 N., R. 33 W., N. cor. secs. 4 and 5, 28 ft. S. and 105 ft. E. from T-rd. S., 28 ft. S. and 7 ft. E. from T-rd. N. at S. cor. secs. 32 and 33, T. 37 N., R. 33 W., 3 ft. S. of fence, in concrete post; standard tablet stamped "288 C W A 1934"	864.916
T. 36 N., R. 33 W., near NW. cor. sec. 5, 150 ft. S. and 25 ft. E. from rd. corner E.-S., in root on N. side of wild-cherry tree; copper nail and washer	896.97
T. 36 N., R. 33 W., near SE. cor. sec. 6, 550 ft. S. and 18 ft. W. from T-rd. W., 1 ft. E. of rock fence, in concrete post; standard tablet stamped "Richards Azimuth 1934"	947.747
Border School, cor. secs. 7, 8, 17, and 18, T. 36 N., R. 33 W., 48 ft. N. and 26 ft. E. from NE. corner of schoolhouse, 47 ft. S. and 27 ft. W. from crossroads, in concrete post; standard tablet stamped "250 C W A 1934"	873.395
T. 36 N., R. 33 W., about 0.2 mi. S. of cor. secs. 17, 18, 19, and 20, in front of dwelling, on top of S. end of concrete retaining wall; chiseled square	869.62
T. 36 N., R. 33 W., near NE. cor. sec. 30, 25 ft. S. and 10 ft. W. from crossroads, on W. head wall of concrete culvert; chiseled square	792.55
T. 36 N., R. 33 W., quarter cor. between secs. 29 and 30, 28 ft. N. and 25 ft. E. from T-rd. E., 630 ft. S. of Missouri Pacific R.R. at rd. crossing, 3 ft. N. and 3 ft. E. from fence corner, in concrete post; standard tablet stamped "214 C W A 1934"	775.025
Eve, 2.5 mi. N. of, near cor. secs. 28, 29, 32, and 33, T. 36 N., R. 33 W., 12 ft. N. and 25 ft. E. from T-rd. E., 500 ft. S. of T-rd. W., on N. head wall of concrete culvert; chiseled square	771.99
Eve, 1.8 mi. N. of, near quarter cor. between secs. 32 and 33, T. 36 N., R. 33 W., at NW. pier of bridge over Marmaton River; W. rivet	776.37
Eve, 1.2 mi. N. of, near cor. secs. 4, 5, 32, and 33, Tps. 35 and 36 N., R. 33 W., 15 ft. N. and 25 ft. W. from crossroads, on N. head wall of concrete culvert; chiseled square	801.43
Eve, 0.2 mi. N. of, on U.S. Highway 54, near cor. secs. 4, 5, 8, and 9, T. 35 N., R. 33 W., 79 ft. S. and 32 ft. W. from N.-S. crossroad, 4 ft. N. and 5 ft. W. from telephone pole, in concrete post; standard tablet stamped "227 C W A 1934"	805.876
Eve, 1 mi. W. of, along U.S. Highway 54, near cor. secs. 5, 6, 7, and 8, T. 35 N., R. 33 W., 35 ft. S. of highway, 12 ft. E. of rd. S., on S. rock of E. wall of rubble culvert; chiseled square	801.58
T. 35 N., R. 33 W., near cor. secs. 7, 8, 17, and 18, 180 ft. NE. of crossroads, on SW. corner of concrete platform of schoolhouse; chiseled square	855.84
T. 35 N., R. 33 W., cor. secs. 17, 18, 19, and 20, 30 ft. S. and 30 ft. W. from crossroads, 4 ft. W. of hedge fence, in concrete post; standard tablet stamped "218 C W A 1934"	877.003

	<u>Feet</u>
T. 35 N., R. 33 W., near W. cor. secs. 18 and 19, on Kans.-Mo. State line, 30 ft. N. and 30 ft. W. from T-rd. E., at NE. corner of barnlot of Frank Wolf, in root on NE. side of 24-in. elm tree; copper nail and washer	911.72
T. 35 N., R. 33 W., near W. cor. secs. 19 and 30, on Kans.-Mo. State line, 25 ft. S. and 40 ft. W. from T-rd. W., at NE. corner of yard of H. E. Lauber, in root on NE. side of 24-in. wild-cherry tree; copper nail and washer	887.33
T. 35 N., R. 33 W., W. cor. secs. 30 and 31, on Kans.-Mo. State line, 65 ft. N. and 25 ft. E. from T-rd. E., 2 ft. SW. of fence, in concrete post; standard tablet stamped "313 C W A 1934"	820.250
T. 35 N., R. 33 W., near SW. cor. sec. 31, 200 ft. S. of T-rd. W., 100 ft. N. of entrance to yard of Ella McLaughlin, 18 ft. E. of state line rd., in root on W. side of 24-in. elm tree; copper nail and washer	838.76
T. 34 N., R. 33 W., about 0.8 mi. S. of NW. cor. sec. 6, 35 ft. N. and 10 ft. W. from state line rd. at rd. W., on W. head wall of concrete culvert; chiseled square	845.93
T. 34 N., R. 33 W., about 1 mi. S. of NW. cor. sec. 6, on Kans.-Mo. State line, 48 ft. S. and 26 ft. E. from T-rd. E., in concrete post; standard tablet stamped "408 C W A 1934"	877.343
T. 34 N., R. 33 W., about 1 mi. S. of NE. cor. sec. 6, 8 ft. S. and 100 ft. W. from T-rd. W., on S. head wall of concrete culvert; chiseled square	827.09
Swart, in sec. 5, T. 34 N., R. 33 W., 358 ft. N. of N. face of Kansas City Southern Ry. sta., 47 ft. E. of main track, in concrete post; standard tablet stamped "303 C W A 1934"	822.606
T. 34 N., R. 33 W., about 1.2 mi. S. of NE. cor. sec. 5, NW. of crossroads, on SE. corner of concrete platform of schoolhouse; chiseled cross	807.90
T. 34 N., R. 33 W., about 1 mi. S. and 400 ft. E. from NW. cor. sec. 3, on E. end of SW. wing wall of concrete bridge; chiseled square	773.12
T. 34 N., R. 33 W., about 1 mi. S. and 0.3 mi. W. from NE. cor. sec. 3, 240 ft. E. of bridge over Dry Wood Creek; 35 ft. S. of rd., in concrete post; standard tablet stamped "306 C W A 1934"	784.478
T. 34 N., R. 33 W., about 1 mi. S. of NE. cor. sec. 2, 60 ft. S. and 24 ft. E. from crossroads, in root on N. side of 24-in. maple tree; copper nail and washer	827.04
T. 34 N., R. 33 W., about 0.8 mi. S. and 0.3 mi. W. from NE. cor. sec. 1, on N. end of SE. wing wall of concrete bridge; chiseled square	788.27

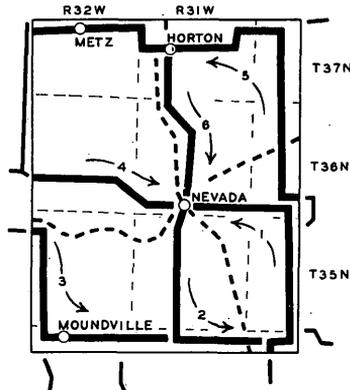
4. FROM POINT ABOUT 3 MILES NORTH OF DEERFIELD WEST TO KANSAS-MISSOURI STATE LINE (by C. T. Shepherd in 1935)

T. 36 N., R. 33 W., cor. secs. 23, 24, 25, and 26, 25 ft. S. and 10 ft. E. from crossroads, on E. head wall of concrete culvert; chiseled square	793.68
T. 36 N., R. 33 W., cor. secs. 22, 23, 26, and 27, 25 ft. N. and 12 ft. W. from crossroads, on W. head wall of concrete culvert; chiseled square	812.45
Richards, 1.5 mi. S. of, cor. secs. 21, 22, 27, and 28, T. 36 N., R. 33 W., 655 ft. E. of crossroads, 33 ft. N. and 48 ft. E. from Kansas City Southern Ry. at rd. crossing, 6 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 1150 W 1934"	797.684
T. 36 N., R. 33 W., cor. secs. 21, 22, 27, and 28, 25 ft. N. and 15 ft. E. from crossroads, on E. head wall of concrete culvert; chiseled square	809.01

For an additional level line along Missouri-Kansas-Texas R.R., refer to United States Coast and Geodetic Survey second-order line, Nevada, Mo. to Fort Scott, Kans.

NEVADA QUADRANGLE  
(Latitude 37°45'-38°00'; longitude 94°15'-94°30')

Vernon County



1. FROM SHELDON QUADRANGLE AT SEC. 2, T. 34 N., R. 31 W., EAST ALONG COUNTY ROUTE E TO SEC. 32, T. 35 N., R. 31 W., THENCE NORTH TO SEC. 5, T. 35 N., R. 30 W., THENCE WEST TO NEVADA (by H. P. Jones in 1933)

	<u>Feet</u>
U.S.C. & G.S. B.M. designated "XCI"	877.780
Milo, about 0.5 mi. N. of, along Missouri Pacific R.R., 100 ft. S. and 25 ft. E. from junction of rd. S., 18 ft. NW. of NW. corner of porch of Milo School, in root on NW. side of 10-in. elm tree; copper nail and washer	869.72
T. 35 N., Rs. 30 and 31 W., S. cor. secs. 31 and 36, 35 ft. S. and 20 ft. E. from junction of rd. N., about 1 ft. above ground in corner fence post; spike	889.98
T. 35 N., R. 30 W., S. cor. secs. 31 and 32, 30 ft. N. and 15 ft. E. from junction of rd. N., on top of E. end of iron drain pipe; painted square	883.32
T. 35 N., R. 30 W., S. cor. secs. 32 and 33, 3 mi. E. of U.S. Highway 71, 30 ft. N. and 80 ft. W. from junction of rd. N., in concrete post; standard tablet stamped "T T 7 B 1933 894"	890.534
Reference mark, 30 ft. N. and 15 ft. E. from junction of rd. N., about 1 ft. above ground in corner fence post; nail	893.59
T. 35 N., R. 30 W., cor. secs. 28, 29, 32, and 33, 8 ft. S. and 25 ft. W. from crossroads, on S. head wall of concrete culvert; painted square	889.92
T. 35 N., R. 30 W., cor. secs. 20, 21, 28, and 29, 35 ft. N. and 80 ft. W. from crossroads, 5 ft. N. and 20 ft. E. from entrance to Marvin Chapel, in root on E. side of 18-in. maple tree; copper nail and washer	873.18
T. 35 N., R. 30 W., cor. secs. 16, 17, 20, and 21, 85 ft. S. and 20 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 8 B 1933 873"	873.082
Reference mark, 15 ft. S. and 15 ft. W. from crossroads, on top of large sandstone rock; painted square	871.81
T. 35 N., R. 30 W., cor. secs. 8, 9, 16, and 17, 25 ft. S. and 25 ft. W. from crossroads, in root on NE. side of 16-in. oak tree; copper nail and washer	875.09
T. 35 N., R. 30 W., cor. secs. 4, 5, 8, and 9, 10 ft. N. and 20 ft. W. from drive to dwelling, in corner fence post; nail	851.03
T. 35 N., R. 30 W., S. sixteenth cor. between secs. 4 and 5, 78 ft. N. and 24 ft. W. from T-rd. E., in yard of Stanton School, in concrete post; standard tablet stamped "T T 9 B 1933 856"	855.227
Reference mark, 10 ft. N. and 80 ft. W. from T-rd. E., in schoolyard, in root on NE. side of large, twin oak tree; copper nail and washer	851.78
T. 35 N., R. 30 W., quarter cor. between secs. 5 and 6, 10 ft. S. and 40 ft. W. from crossroads, on top of head wall of concrete culvert; painted square	876.38
T. 35 N., R. 31 W., E. quarter cor. sec. 1, 50 ft. N. and 15 ft. W. from T-rd. E., on top of head wall of concrete culvert; painted square	874.14
T. 35 N., R. 31 W., quarter cor. between secs. 1 and 2, 35 ft. S. and 30 ft. E. from crossroads, in concrete post; standard tablet stamped "1 J 1933 890"	889.210
Reference mark, 15 ft. N. and 12 ft. W. from crossroads, on top of head wall of concrete culvert; chiseled square	888.99
T. 35 N., R. 31 W., quarter cor. between secs. 2 and 3, 15 ft. N. and 20 ft. E. from crossroads, on top of E. end of head wall of concrete culvert; painted square	860.93
T. 35 N., R. 31 W., W. sixteenth cor. sec. 3, 30 ft. N. and 65 ft. E. from junction of U.S. Highway 54, on top of S. end of gasoline pump island; chiseled square	863.14
U.S.C. & G.S. B.M. designated "XC"	860.490

2. FROM NEVADA SOUTH TO SEC. 32, T. 35 N., R. W., THENCE EAST TO SEC. 36, T. 35 N., R. 31 W. (part of this line leveled twice by H. P. Jones in 1933)

	<u>Feet</u>
Nevada, at S. entrance to courthouse, on W. side of steps, in top of horizontal stone; standard tablet stamped "T T 60 B 1933 880"	879.693
Nevada, at S. entrance to post office building, on E. side of steps, in top of horizontal stone; standard tablet stamped "T T 59 B 1933 877"	876.580
T. 35 N., R. 31 W., in NW 1/4 sec. 16, 18 ft. N. and 25 ft. W. from T-rd. W., in base of telephone pole; spike	852.82
T. 35 N., R. 31 W., W. sixteenth cor. between secs. 16 and 21, 115 ft. N. and 33 ft. W. from T-rd. N., in concrete post; standard tablet stamped "T T 58 B 1933 830"	829.618
T. 35 N., R. 31 W., cor. secs. 20, 21, 28, and 29, 10 ft. N. and 30 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	822.37
T. 35 N., R. 31 W., about 325 ft. S. of cor. secs. 28, 29, 32, and 33, 15 ft. S. and 40 ft. W. from T-rd. W., in root on N. side of 15-in. oak tree; copper nail and washer	774.70
T. 35 N., R. 31 W., S. sixteenth cor. between secs. 32 and 33, 80 ft. N. and 12 ft. W. from T-rd. W., on top of head wall of concrete culvert; chiseled square	807.96
T. 35 N., R. 31 W., S. cor. secs. 32 and 33, 80 ft. N. and 28 ft. W. from rd. corner N.-E., 2 ft. W. of fence, in concrete post; standard tablet stamped "T T 43 B 1933 822"	821.214
T. 35 N., R. 31 W., S. cor. secs. 33 and 34, 10 ft. N. and 30 ft. W. from T-rd. N., on W. end of head wall of concrete culvert; chiseled square	801.18
T. 35 N., R. 31 W., S. cor. secs. 34 and 35, 10 ft. S. and 18 ft. W. from T-rd. N., on top of head wall of concrete culvert; chiseled square	834.65
T. 35 N., R. 31 W., S. cor. secs. 35 and 36, 46 ft. N. and 66 ft. E. from junction of U.S. Highway 71 and County Route E, in concrete post; standard tablet stamped "T T 44 B 1933 863"	862.477

3. FROM FORT SCOTT NO. 1 QUADRANGLE AT SEC. 7, T. 35 N., R. 32 W., SOUTH TO SEC. 31, T. 35 N., R. 32 W., THENCE EAST BY WAY OF MOUNDVILLE TO BAKERVILLE (leveled twice by H. P. Jones in 1933)  
(Continued from Fort Scott No. 1 quadrangle; see line 1.)

T. 35 N., R. 32 W., in SE 1/4 sec. 7, E. of jog in rd., in root on E. side of 28-in. cherry tree; copper nail and washer	774.95
T. 35 N., R. 32 W., in NE 1/4 sec. 18, on E. pier at N. end of bridge over Dry Wood Creek, on top of bolt head; painted square	769.38
T. 35 N., R. 32 and 33 W., cor. secs. 13, 18, 19, and 24, 10 ft. N. and 18 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	765.10
T. 35 N., R. 32 W., about 0.1 mi. W. of cor. secs. 17, 18, 19, and 20, 20 ft. N. and 40 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 39 B 1933 774"	774.173
T. 35 N., R. 32 W., cor. secs. 19, 20, 29, and 30, 20 ft. S. and 7 ft. W. from crossroads, on top of head wall of concrete culvert; chiseled square	800.74
T. 35 N., R. 32 W., cor. secs. 29, 30, 31, and 32, 25 ft. S. and 8 ft. W. from crossroads, on top of head wall of concrete culvert; chiseled square	813.37
T. 35 N., R. 32 W., S. cor. secs. 31 and 32, 30 ft. N. and 30 ft. W. from T-rd. N., in concrete post; standard tablet stamped "T T 40 B 1933 801"	800.904
Reference mark, 45 ft. N. and 15 ft. E. from T-rd. N., on top of head wall of concrete culvert; chiseled square	798.80
T. 35 N., R. 32 W., S. cor. secs. 32 and 33, 35 ft. N. and 15 ft. E. from T-rd. N., on top of head wall of concrete culvert; chiseled square	818.33
T. 35 N., R. 32 W., S. cor. secs. 33 and 34, 15 ft. N. and 10 ft. W. from T-rd. N., on top of head wall of concrete culvert; chiseled square	836.95
Moundville, 120 ft. SW. of Missouri Pacific R.R. sta., 33 ft. S. and 67 ft. W. from main track at rd. crossing, 6 ft. S. of telegraph pole, in concrete post; standard tablet stamped "T T 41 B 1933 840"	839.567
T. 34 N., R. 32 W., N. sixteenth cor. between secs. 4 and 5, 18 ft. N. and 25 ft. W. from T-rd. W., on top of head wall of concrete culvert; chiseled square	856.65
T. 35 N., R. 32 W., S. cor. secs. 35 and 36, 20 ft. N. and 10 ft. W. from T-rd. N., on top of head wall of concrete culvert; chiseled square	863.86
T. 35 N., R. 31 and 32 W., S. cor. secs. 31 and 36, 26 ft. S. and 228 ft. E. from T-rd. N., 55 ft. N. of NW. corner of farmhouse of A. W. Cooper, in concrete post; standard tablet stamped "T T 42 B 1933 820"	819.791
T. 35 N., R. 31 W., S. cor. secs. 31 and 32, 60 ft. E. of rd. corner from N.-W. in fence line, in root on W. side of 12-in. oak tree; copper nail and washer	841.33
Bakerville, in SW 1/4 sec. 32, T. 35 N., R. 31 W., 145 ft. S. and 20 ft. W. from T-rd. S., in root on E. side of 14-in. cherry tree; copper nail and washer	841.33

4. FROM FORT SCOTT NO. 1 QUADRANGLE AT SEC. 19, T. 36 N., R. 32 W., EAST TO NEVADA (by H. P. Jones in 1933)

T. 36 N., R. 32 W., cor. secs. 19, 20, 29, and 30, 5 ft. S. and 21 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	767.95
T. 36 N., R. 32 W., cor. secs. 20, 21, 28, and 29, 18 ft. S. and 15 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	780.97

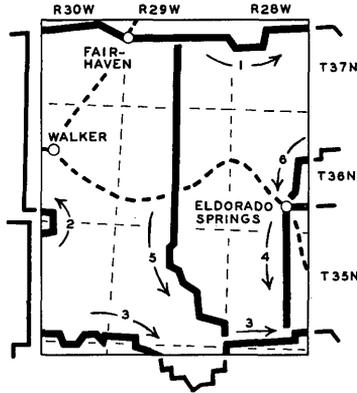
T. 36 N., R. 32 W., cor. secs. 21, 22, 27, and 28, 22 ft. S. and 93 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 34 B 1933 785"	<u>Feet</u> 784.601
T. 36 N., R. 32 W., cor. secs. 22, 23, 26, and 27, 20 ft. S. and 40 ft. W. from T-rd. N., in root on N. side of 14-in. elm tree; copper nail and washer	758.43
T. 36 N., R. 32 W., cor. secs. 23, 24, 25, and 26, 15 ft. N. and 10 ft. E. from T-rd. W., on top of head wall of concrete culvert; chiseled square	759.57
T. 36 N., R. 32 W., near center sec. 25, at concrete bridge over slough, on E. end of S. abutment; chiseled square	758.57
T. 36 N., R. 31 W., in NW 1/4 sec. 31, 15 ft. S. and 18 ft. W. from T-rd. W., on top of head wall of concrete culvert; chiseled square	805.64
T. 36 N., R. 31 W., in NE 1/4 sec. 31, about 0.4 mi. NW. of bridge over Marmaton River, 15 ft. S. and 28 ft. E. from rd. junction, in concrete post; standard tablet stamped "T T 35 B 1933 751"	751.072
T. 36 N., R. 31 W., quarter cor. between secs. 31 and 32, 18 ft. N. of T-rd. S., in corner fence post; spike	831.46
T. 36 N., R. 31 W., quarter cor. between secs. 32 and 33, 30 ft. S. and 25 ft. W. from gate at SW. entrance to State Hospital No. 3, in root on S. side of 10-in. elm tree; copper nail and washer	843.59
Nevada, about 1.5 mi. NE. of, along U.S. Highway 71, quarter cor. between secs. 33 and 34, T. 36 N., R. 31 W., 30 ft. S. and 31 ft. W. from crossroad, in concrete post; standard tablet stamped "T T 36 B 1933 859"	858.614
Reference mark, 15 ft. S. and 25 ft. W. from crossroad, on head wall of concrete culvert; chiseled square	858.01
Nevada, at N. limits of, cor. secs. 3, 4, 33, and 34, Tps. 35 and 36 N., R. 31 W., 15 ft. N. and 35 ft. W. from junction of rd. W., on top of head wall of concrete culvert; chiseled square	834.01
5. FROM WALKER QUADRANGLE AT SEC. 29, T. 36 N., R. 30 W., NORTH TO SEC. 18. T. 37 N., R. 30 W., THENCE WEST BY WAY OF HORTON AND METZ INTO PORT SCOTT NO. 1 QUADRANGLE AT SEC. 18, T. 37 N., R. 32 W. (by H. P. Jones in 1933)	
(Continued from Walker quadrangle; see line 2.)	
Tps. 35 and 36 N., R. 30 W., cor. secs. 4, 5, 32, and 33, 30 ft. N. and 25 ft. E. from rd. corner S.-E., 5 ft. N. of fence line, in root on NE. side of 20-in. oak tree; copper nail and washer	851.51
T. 36 N., R. 30 W., cor. secs. 28, 29, 32, and 33, 30 ft. N. and 40 ft. W. from crossroads; top of concrete right-of-way post	843.33
T. 36 N., R. 30 W., cor. secs. 20, 21, 28, and 29, 20 ft. N. and 106 ft. W. from T-rd. N., 2 ft. N. and 84 ft. W. from fence corner, in concrete post; standard tablet stamped "T T 11 B 1933 844"	843.881
Reference mark, 12 ft. N. and 18 ft. E. from T-rd. N., on top of sandstone boulder; chiseled square	844.97
T. 36 N., R. 30 W., cor. secs. 16, 17, 20, and 21, 30 ft. N. and 18 ft. W. from crossroads, in corner fence post; spike	830.93
T. 36 N., R. 30 W., in SW 1/4 sec. 8, 15 ft. W. of rd. fork NW., in corner fence post; spike	922.88
T. 36 N., R. 30 W., near N. sixteenth cor. between secs. 7 and 8, 88 ft. N. and 18 ft. E. from T-rd. N., in concrete post; standard tablet stamped "T T 12 B 1933 805"	803.839
Reference mark, 16 ft. N. and 25 ft. E. from T-rd. N., in root on NW. side of 3/4-in. elm tree; copper nail and washer	804.78
Tps. 36 and 37 N., R. 30 W., cor. secs. 5, 6, 31, and 32, 15 ft. N. and 15 ft. E. from T-rd. N., on top of head wall of concrete culvert; chiseled square	778.39
T. 37 N., R. 30 W., cor. secs. 29, 30, 31, and 32, about 380 ft. S. and 20 ft. W. from, 12 ft. W. of mail box of Oral Spencer, in fence line, in root on NE. side of 26-in. maple tree; copper nail and washer	803.57
T. 37 N., R. 30 W., near quarter cor. between secs. 29 and 30, 95 ft. N. and 20 ft. E. from crossroads, in concrete post; standard tablet stamped "T T 13 B 1933 786"	785.427
Reference mark, 15 ft. N. and 10 ft. E. from crossroads, on top of tile drain; painted square	785.00
T. 37 N., R. 30 W., about 530 ft. S. of quarter cor. between secs. 19 and 20, E. of rd., N. of lane E. to dwelling, in corner fence post; spike	770.18
T. 37 N., R. 30 W., cor. secs. 17, 18, 19, and 20, 15 ft. N. and 18 ft. W. from crossroads, in telephone pole; spike	756.78
T. 37 N., R. 30 W., cor. secs. 7, 8, 17, and 18, 3/4 ft. S. and 23 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 14 B 1933 743"	742.249
Reference mark, 10 ft. S. and 25 ft. E. from T-rd. S., on top of head wall of concrete culvert; painted square	741.34
T. 37 N., R. 30 and 31 W., E. cor. secs. 12 and 13, 30 ft. E. of rd. E. (?), in root on N. side of 11-in. elm tree; copper nail and washer	736.27
T. 37 N., R. 31 W., cor. secs. 11, 12, 13, and 14, 12 ft. S. and 35 ft. W. from rd. corner E.-S., in root on E. side of 26-in. oak tree; copper nail and washer	736.51
T. 37 N., R. 31 W., cor. secs. 13, 14, 23, and 24, 23 ft. N. and 46 ft. W. from T-rd. N. (W. ?), in concrete post; standard tablet stamped "T T 26 B 1933 764"	763.598
Reference mark, 10 ft. N. and 20 ft. W. from T-rd. N., on top of head wall of concrete culvert; chiseled square	765.37
T. 37 N., R. 31 W., in SE 1/4 sec. 23, 30 ft. S. and 15 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	756.97
T. 37 N., R. 31 W., in SW 1/4 sec. 23, at bridge over Marmaton River, on S. end of E. concrete abutment; chiseled square	749.77
T. 37 N., R. 31 W., near cor. secs. 21, 22, 27, and 28, S. of rd., 2 ft. S. of fence, in root on N. side of 22-in. oak tree; copper nail and washer	737.66

	<u>Feet</u>
T. 37 N., R. 31 W., near quarter cor. between secs. 20 and 21, 22 ft. E. of rd. S., 18 ft. S. of rd. W., 50 ft. S. of rd. E., 29 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 27 B 1933 751"	751.292
Horton, at S. limits of, 57 ft. E. of Missouri Pacific R.R. at rd. crossing, at NW. corner of wooden bridge over ditch, in floor; copper nail and washer	765.20
Horton, 0.8 mi. N. of, along U.S. Highway 71, near quarter cor. between secs. 17 and 20, T. 37 N., R. 31 W., on SW. abutment of concrete bridge; chiseled square	748.68
T. 37 N., R. 31 W., in NW 1/4 sec. 17, at bridge over Little Osage River, on top of W. end of S. abutment; chiseled square	751.65
Horton, at N. limits of, 15 ft. N. and 30 ft. W. from T-rd. W., on top of concrete head wall of culvert; chiseled square	772.75
T. 37 N., R. 31 W., in SW 1/4 sec. 19, 20 ft. N. and 20 ft. W. from T-rd. N., in base of corner fence post; spike	778.84
T. 37 N., R. 31 W., in SW 1/4 sec. 18, 80 ft. NW. of N. end of bridge over Little Osage River, in root on N. side of 26-in. box-elder tree; copper nail and washer	746.17
T. 37 N., R. 32 W., E. cor. secs. 12 and 13, 23 ft. S. and 86 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T 28 B 1933 757"	757.329
T. 37 N., R. 32 W., cor. secs. 11, 12, 13, and 14, 20 ft. N. and 10 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	764.82
T. 37 N., R. 32 W., cor. secs. 10, 11, 14, and 15, 6 ft. N. and 12 ft. E. from T-rd. S., on top of head wall of concrete culvert; chiseled square	771.55
Metz, in NW. part of, 42 ft. N. and 28 ft. E. from crossroads, in SW. corner of schoolyard, in concrete post; standard tablet stamped "T T 29 B 1933 785"	785.130
Metz, 1 mi. W. of, cor. secs. 8, 9, 16, and 17, T. 37 N., R. 32 W., 30 ft. S. and 8 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	761.22
Metz, 2 mi. W. of, cor. secs. 7, 8, 17, and 18, T. 37 N., R. 32 W., 15 ft. S. and 15 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	793.92
6. FROM HORTON SOUTH ALONG U.S. HIGHWAY 71 TO NEVADA (by C. T. Shepherd in 1935)	
Horton, SW. of E.-W. crossroad, on center of S. head wall of concrete culvert; chiseled square	766.40
Horton, 1 mi. S. of, near center sec. 29, T. 37 N., R. 31 W., 150 ft. N. of junction of private rd., on W. head wall of concrete culvert; chiseled square	764.03
Horton, 2 mi. S. of, near center sec. 32, T. 37 N., R. 31 W., 31 ft. W. of E.-W. crossroad, on W. head wall of concrete culvert; chiseled square	764.94
Nevada, 7 mi. N. of, near N. quarter cor. sec. 5, T. 36 N., R. 31 W., at S. end of bridge over Douglas Creek, in top of SE. hand rail; standard tablet stamped "T T 1149 W 1934"	762.960
Nevada, about 5.5 mi. N. of, in NW 1/4 sec. 9, T. 36 N., R. 31 W., at bridge over Marmaton River, on top of SW. wing wall; chiseled square	760.85
Nevada, about 4.5 mi. N. of, near cor. secs. 9, 10, 15, and 16, T. 36 N., R. 31 W., at rd. junction, 150 ft. NW. of filling sta., on W. head wall of concrete culvert; chiseled square	822.43
Nevada, about 4 mi. N. of, quarter cor. between secs. 15 and 16, T. 36 N., R. 31 W., 62 ft. S. and 33 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "T T 1148 W 1934"	832.466
Nevada, 3 mi. N. of, near quarter cor. between secs. 21 and 22, T. 36 N., R. 31 W., 20 ft. S. and 30 ft. W. from crossroad; top of concrete right-of-way post	836.20
Nevada, 2 mi. N. of, near quarter cor. between secs. 27 and 28, T. 36 N., R. 31 W., on W. head wall of concrete culvert; chiseled square	805.85
U.S.C. & G.S. standard disk stamped "Nevada 3 1934"	851.961
U.S.C. & G.S. standard disk stamped "Nevada 2 1934"	866.491

For additional level lines along Missouri Pacific R.R. and Missouri-Kansas-Texas R.R., refer to United States Coast and Geodetic Survey first-order line, Harrisonville to Monett; and second-order lines, Nevada, Mo. to Fort Scott, Kans. and Clinton to Walker.

WALKER QUADRANGLE  
(Latitude 37°45'-38°00'; longitude 94°00'-94°15')

Cedar, St. Clair, and Vernon Counties



1. FROM NEVADA QUADRANGLE AT SEC. 8, T. 37 N., R. 30 W., EAST INTO PLEASANT VIEW QUADRANGLE AT SEC. 11, T. 37 N., R. 28 W. (by H. P. Jones in 1933)

T. 37 N., R. 30 W., cor. secs. 8, 9, 16, and 17, 10 ft. S. and 15 ft. E. from T-rd. N., 20 ft. W. of mail boxes, on top of end of tile drain; painted square	Feet 734.38
T. 37 N., R. 30 W., cor. secs. 9, 10, 15, and 16, 15 ft. S. and 10 ft. E. from junction of lane S., about 1 ft. above ground in telephone pole; spike	759.88
T. 37 N., R. 30 W., cor. secs. 10, 11, 14, and 15, 18 ft. N. and 166 ft. E. from T-rd. S., 43 ft. S. of SE. corner and in line with E. face of farmhouse of O. L. Rippe, in concrete post; standard tablet stamped "T T 51 B 1933"	768.209
T. 37 N., R. 30 W., 15 ft. S. and 150 ft. E. from cor. secs. 11, 12, 13, and 14, in root on NW. side of 15-in. black-walnut tree; copper nail and washer	761.45
T. 37 N., Rs. 29 and 30 W., cor. secs. 7, 12, 13, and 18, 15 ft. W. of T-rd. W., 15 ft. E. of mail boxes, on top of large sandstone rock; chiseled square	819.81
Fairhaven, near NW. edge of, quarter cor. between secs. 13 and 18, T. 37 N., Rs. 29 and 30 W., 25 ft. N. and 18 ft. E. from T-rd. E., in root on E. side of 11-in. cedar tree; copper nail and washer	809.31
Fairhaven, about 0.7 mi. E. of NE. limits of, quarter cor. between secs. 17 and 18, T. 37 N., R. 29 W., 25 ft. S. and 78 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 52 B 1933"	802.724
Fairhaven, about 1.7 mi. E. of NE. limits of, quarter cor. between secs. 16 and 17, T. 37 N., R. 29 W., 15 ft. S. and 15 ft. E. from crossroads, about 1 ft. above ground in corner fence post; spike	801.36
Fairhaven, about 2.7 mi. E. of NE. limits of, quarter cor. between secs. 15 and 16, T. 37 N., R. 29 W., 30 ft. S. and 30 ft. E. from crossroads, in root on W. side of 12-in. cherry tree; copper nail and washer	809.06
Fairhaven, about 3.7 mi. E. of NE. limits of, 18 ft. S. and 280 ft. W. from quarter cor. between secs. 14 and 15, T. 37 N., R. 29 W., in line with E. face of farmhouse of F. R. Schmidt, 18 ft. S. of rd., in concrete post; standard tablet stamped "T T 53 B 1933"	821.808
T. 37 N., R. 29 W., center sec. 14, 15 ft. N. and 15 ft. W. from crossroads, in base of telephone pole; spike	800.00
T. 37 N., R. 29 W., center sec. 13, 10 ft. N. and 95 ft. W. from rd. corner W.-S., on top of head wall of concrete culvert; chiseled square	809.91
T. 37 N., R. 29 W., quarter cor. between secs. 13 and 24, 10 ft. S. and 15 ft. W. from T-rd. E., in root on SE. side of 18-in. catalpa tree; copper nail and washer	869.59
T. 37 N., Rs. 28 and 29 W., cor. secs. 13, 18, 19, and 24, 30 ft. S. and 20 ft. E. from crossroads (N.-S. rd. on St. Clair-Vernon county line), in root on N. side of 22-in. maple tree; copper nail and washer	830.92
Stoney Point School, cor. secs. 17, 18, 19, and 20, T. 37 N., R. 28 W., 19 ft. N. and 55 ft. E. from crossroads, 26 ft. S. of SW. corner of schoolhouse, in concrete post; standard tablet stamped "T T 54 B 1933"	814.595
T. 37 N., R. 28 W., in SE 1/4 sec. 17, about 250 ft. N. and 18 ft. E. from T-rd. W., in root on NW. side of 18-in. locust tree; copper nail and washer	843.64
T. 37 N., R. 28 W., cor. secs. 8, 9, 16, and 17, 12 ft. S. and 15 ft. E. from T-rd. S., on top of head wall of concrete culvert; chiseled square	824.50

Pleasant Grove Baptist Church, cor. secs. 9, 10, 15, and 16, T. 37 N., R. 28 W., 22 ft. S. and 4 ft. W. from T-rd. N., 3 ft. N. of cemetery fence, in concrete post; standard tablet stamped "T T 55 B 1933" Feet  
878.682

(Continued in Pleasant View quadrangle; see line 1.)

2. FROM NEVADA QUADRANGLE AT SEC. 33, T. 36 N., R. 30 W., NORTH AND WEST INTO NEVADA QUADRANGLE AT SEC. 29, T. 36 N., R. 30 W. (by H. P. Jones in 1933)

Tps. 35 and 36 N., R. 30 W., cor. secs. 3, 4, 33, and 34, 45 ft. N. and 35 ft. E. from crossroads, in root on W. side of 18-in. oak tree; copper nail and washer 829.93

Walker, 2.5 mi. S. of, along County Route C, cor. secs. 27, 28, 33, and 34, T. 36 N., R. 30 W., 107 ft. N. and 53 ft. E. from junction of U.S. Highway 54, 68 ft. N. and 3 ft. E. from corner fence post, in concrete post; standard tablet stamped "T T 10 B 1933 826" 825.767

Reference mark, 50 ft. N. and 50 ft. E. from center of crossroads; top of right-of-way post 827.42

(Continued in Nevada quadrangle; see line 5.)

3. FROM NEVADA QUADRANGLE AT SEC. 33, T. 35 N., R. 30 W., EAST INTO PLEASANT VIEW QUADRANGLE AT SEC. 34, T. 35 N., R. 28 W. (by H. P. Jones in 1934)

T. 35 N., R. 30 W., S. cor. secs. 33 and 34, 30 ft. S. and 200 ft. W. from T-rd. N., at fence corner, in root on N. side of 12-in. maple tree; copper nail and washer 900.36

T. 35 N., R. 30 W., S. cor. secs. 34 and 35, 30 ft. S. and 20 ft. E. from T-rd. N., in root on N. side of 18-in. oak tree; copper nail and washer 898.01

T. 34 N., R. 30 W., in NE 1/4 sec. 4, about 0.2 mi. E. of end of County Route E, in yard of farmhouse, in root on N. side of 15-in. oak tree; copper nail and washer 841.88

T. 34 N., R. 30 W., in NE 1/4 sec. 4, 22 ft. S. and 24 ft. W. from T-rd. W., 3 ft. S. and 3 ft. W. from corner fence post, in concrete post; standard tablet stamped "284 C W A 1934" 879.653

T. 34 N., R. 30 W., about 650 ft. S. of N. cor. secs. 2 and 3, 35 ft. N. of store building of J. H. Wells, in root on N. side of 14-in. oak tree; copper nail and washer 853.30

T. 34 N., R. 30 W., in NW 1/4 sec. 2, 50 ft. N. of rd. forks, in root on S. side of 24-in. elm tree; copper nail and washer 806.88

T. 34 N., R. 30 W., 2.8 mi. N. of S. cor. secs. 1 and 2, 28 ft. S. and 27 ft. W. from T-rd. S., 2 ft. S. and 2 ft. W. from corner fence post, in concrete post; standard tablet stamped "285 C W A 1934" 870.765

T. 34 N., R. 30 W., in NE 1/4 sec. 1, 250 ft. S. and 50 ft. W. from T-rd. S., in E. side of 18-in. white-oak tree; copper nail and washer 910.07

(For balance in Montevallo quadrangle, see line 1.)

T. 34 N., R. 29 W., in NW 1/4 sec. 2, 26 ft. N. and 25 ft. W. from rd. corner W.-N. and private rd. S., 3 ft. N. and 3 ft. W. from corner fence post, in concrete post; standard tablet stamped "235 C W A 1934" 942.422

T. 35 N., R. 28 and 29 W., S. cor. secs. 31 and 36, 70 ft. S. and 50 ft. W. from T-rd. N., in root on N. side of 22-in. hedge tree; copper nail and washer 951.28

T. 35 N., R. 28 W., S. cor. secs. 31 and 32, 30 ft. N. and 25 ft. W. from T-rd. N., in root on S. side of 12-in. mulberry tree; copper nail and washer 956.08

T. 35 N., R. 28 W., S. quarter cor. sec. 33, 23 ft. N. and 38 ft. E. from County Route A at crossroad, 1 ft. N. and 1 ft. E. from corner fence post, in concrete post; standard tablet stamped "241 C W A 1934" 859.048

T. 35 N., R. 28 W., S. cor. secs. 33 and 34, 18 ft. N. and 85 ft. W. from T-rd. N., in root on S. side of 24-in. oak tree; copper nail and washer 902.36

(Continued in Pleasant View quadrangle; see line 3.)

4. FROM PLEASANT VIEW QUADRANGLE WEST ALONG U.S. HIGHWAY 54 TO EL DorADO SPRINGS, THENCE SOUTH ABOUT 5 MILES ALONG STATE HIGHWAY 64 (by O. F. Hodgdon in 1934)  
(Continued from Pleasant View quadrangle; see line 5.)

Eldorado Springs, 0.5 mi. E. of, quarter cor. between secs. 27 and 28, T. 36 N., R. 28 W., 146 ft. S. and 38 ft. E. from junction of State Highway 64, in concrete post; U.S.C. & G.S. standard disk stamped "Q 24 1934" 926.396

Reference mark, 230 ft. S. and 51 ft. W. from disk, 13 ft. W. of highway, on W. head wall of concrete culvert; chiseled square 925.77

Eldorado Springs, 0.5 mi. E., thence 0.5 mi. S. from, cor. secs. 27, 28, 33, and 34, T. 36 N., R. 28 W., 110 ft. S. and 23 ft. W. from crossroad, 22 ft. SE. of SE. corner of store building, in concrete post; U.S.C. & G.S. standard disk stamped "P 24 1934" 945.333

Reference mark, 26 ft. N. and 3 ft. W. from disk, on SE. corner of porch floor; chiseled square 945.66

Eldorado Springs, 0.5 mi. E., thence 1.5 mi. S. from, 385 ft. S. and 14 ft. W. from N. cor. secs. 3 and 4, T. 35 N., R. 28 W., on W. head wall of concrete culvert; chiseled square 912.64

	<u>Feet</u>
Eldorado Springs, 0.5 mi. E., thence 2.5 mi. S. from, cor. secs. 3, 4, 9, and 10, T. 35 N., R. 28 W., 58 ft. S. and 32 ft. E. from junction of rd. E., 30 ft. S. of fence corner, in concrete post; U.S.C. & G.S. standard disk stamped "N 24 1934"	921.009
Reference mark, 1 ft. N. and 30 ft. E. from disk, in root on NE. side of 27-in. maple tree; copper nail and washer	920.01
Eldorado Springs, 0.5 mi. E., thence 3.8 mi. S. from, 375 ft. N. and 20 ft. E. from N. sixteenth cor. between secs. 15 and 16, T. 35 N., R. 28 W., at gate to farmyard of E. Benskin, in W. side of 18-in. maple tree; bolt	901.50
Eldorado Springs, 0.5 mi. E., thence 4.5 mi. S. from, 200 ft. W. of cor. secs. 15, 16, 21, and 22, T. 35 N., R. 28 W., 46 ft. N. and 32 ft. E. from junction of rd. E., in concrete post; U.S.C. & G.S. standard disk stamped "M 24 1934"	869.401
Reference mark, 6 ft. S. and 68 ft. W. from disk, 50 ft. N. and 35 ft. W. from junction of rd. E., in root on NE. side of post-oak tree; copper nail and washer	868.85
5. FROM SEC. 9, T. 37 N., R. 29 W., SOUTH TO SEC. 3, T. 34 N., R. 29 W. (by C. T. Shepherd in 1935)	
T. 37 N., R. 29 W., 20 ft. N. and 10 ft. W. from quarter cor. between secs. 9 and 10, at T-rd. E., on W. head wall of culvert; chiseled square	777.54
T. 37 N., R. 29 W., quarter cor. between secs. 21 and 22, 16 ft. N. and 20 ft. E. from crossroads, on N. head wall of concrete culvert; chiseled cross	827.46
T. 37 N., R. 29 W., 200 ft. N. of quarter cor. between secs. 27 and 28, on E. head wall of concrete culvert; chiseled square	863.80
T. 37 N., R. 29 W., 8 ft. S. and 30 ft. W. from quarter cor. between secs. 33 and 34, 57 ft. NW. of NW. corner of bridge, 30 ft. E. (W. ?) of rd., 8 ft. S. and 1 ft. E. (W. ?) from corner fence post, in concrete post; standard tablet stamped "246 C W A 1934"	783.825
T. 36 N., R. 29 W., near quarter cor. between secs. 3 and 4, in front of dwelling of G. D. Hallan, 20 ft. E. of rd., in root on W. side of twin maple tree (first tree at N. end of row of trees); copper nail and washer	872.25
T. 36 N., R. 29 W., quarter cor. between secs. 9 and 10, 45 ft. N. and 12 ft. E. from crossroads, on head wall of culvert; chiseled square	860.48
T. 36 N., R. 29 W., quarter cor. between secs. 15 and 16, 80 ft. N. and 24 ft. E. from T-rd. E., 5 ft. E. of E. right-of-way fence, in concrete post; standard tablet stamped "236 C W A 1934"	848.592
T. 36 N., R. 29 W., 500 ft. N. of quarter cor. between secs. 21 and 22, on E. end of N. abutment of concrete bridge over Melton Creek; chiseled square	775.41
T. 36 N., R. 29 W., 275 ft. W. of T-rd. N. at quarter cor. between secs. 27 and 28, on S. head wall of concrete culvert; chiseled square	837.05
Dederick, 295 ft. S. of Missouri-Kansas-Texas R.R., 27 ft. N. and 38 ft. E. from street intersection, 11 ft. N. and 7 ft. E. from corner fence post, in concrete post; standard tablet	799.268
Dederick, 0.2 mi. S. of, in NE 1/4 sec. 33, T. 36 N., R. 29 W., on U.S. Highway 54, 150 ft. E. of rd. N., on W. end of S. head wall of concrete culvert; chiseled square	769.95
Dederick, 0.8 mi. S. of, S. sixteenth cor. sec. 33, T. 36 N., R. 29 W., on E. end of S. abutment of bridge over West Fork Creek; chiseled square	759.95
Dederick, 1.8 mi. S. of, 750 ft. N. of crossroads at quarter cor. between secs. 4 and 9, T. 35 N., R. 29 W., on E. wall of culvert; chiseled cross	815.39
T. 35 N., R. 29 W., N. sixteenth cor. sec. 16, 4 ft. S. and 13 ft. W. from corner fence post, 29 ft. W. of rd., in concrete post; standard tablet	876.216
T. 35 N., R. 29 W., quarter cor. between secs. 15 and 16, 15 ft. N. of end of rd., in root on W. side of 12-in. oak tree; copper nail and washer	841.64
T. 35 N., R. 29 W., in SE 1/4 sec. 15, on N. bank of Clear Creek, 50 ft. E. of ford, in blaze on leaning 40-in. sycamore tree; nail	771.72
T. 35 N., R. 29 W., in NE 1/4 sec. 22, 200 ft. NE. of farmhouse of R. E. Budd, 20 ft. E. of rd., in root on N. side of 14-in. maple tree; copper nail and washer	866.55
T. 35 N., R. 29 W., quarter cor. between secs. 22 and 23, 18 ft. W. of T-rd. E., in root on NE. side of 14-in. oak tree; copper nail and washer	868.59
T. 35 N., R. 29 W., cor. secs. 26, 27, 34, and 35, 23 ft. S. and 25 ft. W. from crossroads (dim rd. S.), 1 ft. N. and 4 ft. W. from corner fence post, in concrete post; standard tablet stamped "294 C W A 1934"	848.873
T. 35 N., R. 29 W., center sec. 35, 25 ft. S. and 45 ft. W. from rd. corner E.-S., in root on N. side of 8-in. oak tree; copper nail and washer	852.52
T. 34 N., R. 29 W., NE 1/4 (?) sec. 3, 18 ft. S. and 18 ft. E. from T-rd. N., in root on NE. side of 18-in. oak tree; copper nail and washer	946.21
6. FROM PLEASANT VIEW QUADRANGLE SOUTHWEST ALONG STATE HIGHWAY 82 TO ELDORADO SPRINGS (by C. T. Shepherd in 1935) (Continued from Pleasant View quadrangle; see line 6.)	
Eldorado Springs, 2.9 mi. NE. of, near center sec. 10, T. 36 N., R. 28 W., on E. end of N. head wall of concrete culvert; chiseled square	884.05
Eldorado Springs, 1.3 mi. N., thence 0.5 mi. E. from, near cor. secs. 9, 10, 15, and 16, T. 36 N., R. 28 W., 16 ft. N. and 93 ft. W. from junction of rd. N., in head wall of concrete culvert; standard tablet stamped "T T 1133 1934 W 1934"	871.332

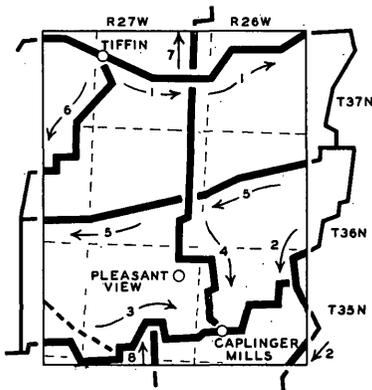
Eldorado Springs, 0.9 mi. N. of, in SW 1/4 sec. 16, T. 36 N., R. 28 W.,  
 on E. end of N. head wall of concrete bridge; chiseled square  
 Eldorado Springs, at Olive and Spring Streets, on center of W. head wall  
 of concrete culvert under Spring Street; chiseled square

Feet  
 775.74  
 852.28

For additional level lines along Missouri-Kansas-Texas R.R. and  
 State Highway 64, refer to United States Coast and Geodetic  
 Survey second-order lines, Clinton to Walker and Fair Play to  
 Nevada.

PLEASANT VIEW QUADRANGLE  
 (Latitude 37°45'1-38°00'; longitude 93°45'-94°00')

Cedar and St. Clair Counties



1. FROM WALKER QUADRANGLE AT SEC. 11, T. 37 N., R. 28 W., EAST INTO  
 HUMANSVILLE QUADRANGLE AT SEC. 12, T. 37 N., R. 26 W. (by  
 H. P. Jones in 1933)\*  
 (Continued from Walker quadrangle; see line 1.)

T. 37 N., R. 28 W., cor. secs. 10, 11, 14, and 15, 15 ft. N. and 15 ft. W. from crossroads, in base of telephone pole; spike	814.15
T. 37 N., R. 28 W., E. sixteenth cor. between secs. 11 and 14, 115 ft. S. and 15 ft. E. from T-rd. W., 5 ft. W. of gate to yard of dwelling, on top of concrete step; chiseled square	779.19
T. 37 N., R. 28 W., about 0.1 mi. W. of center of SE 1/4 sec. 13, 670 ft. NW. of bridge over Clear Creek, 55 ft. S. of rd. forks, 23 ft. W. of rd., 3 ft. N. and 2 ft. W. from fence corner, in concrete post; standard tablet stamped "T 56 B 1933"	717.256
T. 37 N., R. 27 W., on line between secs. 18 and 19, 18 ft. S. and 18 ft. E. from crossroads, 1 ft. above ground in corner fence post; spike	778.52
T. 37 N., R. 27 W., near E. sixteenth cor. sec. 19, 10 ft. N. and 28 ft. W. from T-rd. S., on top of head wall of concrete culvert; chiseled square	765.94
T. 37 N., R. 27 W., center sec. 20, 8 ft. S. and 15 ft. E. from crossroads, on top of head wall of concrete culvert; chiseled square	791.74
T. 37 N., R. 27 W., center sec. 21, 19 ft. S. and 41 ft. E. from T-rd. S., 1 ft. S. and 19 ft. E. from fence corner, in concrete post; standard tablet stamped "T 57 B 1933"	839.869
T. 37 N., R. 27 W., quarter cor. between secs. 21 and 22, 25 ft. N. and 18 ft. W. from T-rd. N., about 1 ft. above ground in corner fence post; spike	805.86
T. 37 N., R. 27 W., quarter cor. between secs. 22 and 23, 35 ft. S. and 40 ft. E. from crossroads, in root on N. side of 14-in. oak tree; copper nail and washer	871.68
T. 37 N., R. 27 W., quarter cor. between secs. 23 and 24, 65 ft. S. and 25 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T 61 B 1933"	812.332
T. 37 N., Rs. 26 and 27 W., near quarter cor. between secs. 19 and 24, on S. end of W. abutment of bridge over small creek; chiseled square	729.78
T. 37 N., R. 26 W., in SE 1/4 sec. 19, on State Highway 82, 50 ft. N. and 10 ft. W. from junction of rd. W., on SW. corner of concrete bridge; chiseled square	730.93
T. 37 N., R. 26 W., about 0.2 mi. S. of cor. secs. 17, 18, 19, and 20, on State Highway 82, 25 ft. E. of crossroad, on top of head wall of concrete culvert; chiseled square	760.42
Rooco, at S. limits of, near E. sixteenth cor. sec. 17, T. 37 N., R. 26 W., on State Highway 82, about 250 ft. E. of junction of rd. N., on top of N. head wall of concrete culvert; chiseled square	735.54
T. 37 N., R. 26 W., quarter cor. between secs. 16 and 17, on State Highway 82, 40 ft. N. and 60 ft. E. from junction of rd. S., in concrete post; standard tablet stamped "T 62 B 1933"	770.736

\*In Clinton No. 3 quadrangle, line 2 (see Bull. 898-H, p. 1029).

	<u>Feet</u>
T. 37 N., R. 26 W., quarter cor. between secs. 15 and 16, on State Highway 82, 15 ft. S. and 40 ft. E. from crossroad, on top of head wall of concrete culvert; chiseled square	804.70
T. 37 N., R. 26 W., in NE 1/4 sec. 15, on State Highway 82, 7 ft. S. and 75 ft. E. from N.-S. crossroad, 2 ft. N. of fence, in concrete post; standard tablet stamped "T T 63 B 1933"	781.973
T. 37 N., R. 26 W., in SW 1/4 sec. 11, on State Highway 82, on top of N. head wall of concrete culvert; chiseled square	741.09
T. 37 N., R. 26 W., in NE 1/4 sec. 11, on State Highway 82, on top of N. head wall of concrete culvert; chiseled square	765.75

(Continued in Humansville quadrangle; see line 2.)

2. FROM HUMANSVILLE QUADRANGLE AT SEC. 36, T. 36 N., R. 26 W., SOUTH ALONG ROADS TO SEC. 12, T. 35 N., R. 26 W., THENCE SOUTH ALONG COUNTY ROUTE J INTO STOCKTON QUADRANGLE (by H. P. Jones and W. R. Broadus in 1933)  
(Continued from Humansville quadrangle; see line 2.)

T. 36 N., R. 26 W., in SW 1/4 sec. 36, about 0.2 mi. NE. of ford across Turkey Creek, opposite old building, SE. of rd., in root on S. side of 20-in. oak tree; copper nail and washer	829.36
T. 35 N., R. 26 W., in NW 1/4 sec. 1, 25 ft. N. and 25 ft. E. from T-rd. E., 10 ft. NE. of fence corner, on top of sandstone outcrop; painted square	874.83
T. 35 N., R. 26 W., in SW 1/4 sec. 1, about 0.8 mi. N. of Mount Enon Church, 20 ft. N. and 35 ft. E. from rd. fork E., in top of stump of 12-in. oak tree; copper nail and washer	905.94
Mount Enon Church, 0.2 mi. S. of, in SW 1/4 sec. 12, T. 35 N., R. 26 W., at end of County Route J, 47 ft. N. and 35 ft. E. from crossroad, in concrete post; standard tablet stamped "T T 71 B 1933"	915.292
T. 35 N., R. 26 W., near center sec. 13, 60 ft. S. and 20 ft. W. from junction of rd. SW., in top of stump of 28-in. oak tree; copper nail and washer	986.19

(For balance in Humansville quadrangle, see line 2.)

T. 35 N., R. 26 W., center sec. 25, 58 ft. S. and 40 ft. W. from highway at fences E. and W., 2.8 mi. NE. of Sac River, on old Pinkman farm, in concrete post; standard tablet stamped "T T 72 B 1933"	910.588
T. 35 N., R. 26 W., in NW 1/4 sec. 36, at NE. corner of bridge over Silver Creek, on concrete base of steel guardrail; chiseled square	798.77

(Continued in Stockton quadrangle; see line 1.)

3. FROM WALKER QUADRANGLE AT SEC. 34, T. 35 N., R. 28 W., EAST TO SEC. 11, T. 35 N., R. 26 W. (by H. P. Jones in 1934)  
(Continued from Walker quadrangle; see line 3.)

T. 35 N., R. 28 W., W. sixteenth cor. on S. line sec. 35, 29 ft. N. and 18 ft. W. from T-rd. N., in concrete post; standard tablet stamped "127 C W A 1934"	906.553
T. 34 N., R. 28 W., N. cor. secs. 2 and 3, 40 ft. W. of fence corner, 18 ft. N. of rd., in root on S. side of 22-in. oak tree; copper nail and washer	914.81
T. 35 N., R. 27 and 28 W., S. cor. secs. 31 and 36, 50 ft. N. and 25 ft. E. from crossroads, in root on W. side of 28-in. oak tree; copper nail and washer	928.67 873.174
J.S.C. & G.S. standard disk stamped "J 24 1934"	
T. 35 N., R. 27 W., in SE 1/4 SW 1/4 sec. 32, on State Highway 64, 96 ft. S. and 23 ft. W. from junction of rd. S., 5 ft. N. of fence corner, in concrete post; standard tablet stamped "440 C W A 1934"	815.439
T. 34 N., R. 27 W., N. cor. secs. 5 and 6, 60 ft. N. and 90 ft. W. from T-rd. S., in root on W. side of 14-in. cedar tree; copper nail and washer	916.12
T. 35 N., R. 27 W., near S. cor. secs. 33 and 34, on S. bank of Horse Creek, W. of ford, in root on S. side of 40-in. oak tree; copper nail and washer	795.25
T. 35 N., R. 27 W., cor. secs. 27, 28, 33, and 34, 40 ft. S. and 50 ft. W. from rd. at cross fence, in root on E. side of 24-in. oak tree; copper nail and washer	860.08
T. 35 N., R. 27 W., W. sixteenth cor. between secs. 22 and 27, 28 ft. S. and 16 ft. E. from T-rd. N., 12 ft. S. and 8 ft. W. from fence corner, in concrete post; standard tablet stamped "507 C W A 1934"	887.473
T. 35 N., R. 27 W., N. sixteenth cor. between secs. 26 and 27, 50 ft. N. and 40 ft. W. from rd. forks, in root on E. side of 26-in. oak tree; copper nail and washer	840.92
T. 35 N., R. 27 W., near E. sixteenth cor. sec. 26, 18 ft. S. of rd., at NE. corner of yard fence, on concrete base of post; chiseled square	835.04
T. 35 N., R. 27 W., W. sixteenth cor. sec. 25, 10 ft. S. and 10 ft. E. from crossroads, on top of end of iron pipe culvert; painted square	857.06
T. 35 N., R. 26 and 27 W., quarter cor. between secs. 25 and 30, 15 ft. S. and 15 ft. W. from crossroads, at fence corner, in post; spike	879.93
T. 35 N., R. 26 W., center of NE 1/4 sec. 30, 32 ft. E. of County Route D, 48 ft. S. of rd. E., in concrete post; standard tablet stamped "506 C W A 1934"	886.541
T. 35 N., R. 26 W., N. sixteenth cor. between secs. 28 and 29, 35 ft. S. and 10 ft. E. from rd. corner W.-N., in root on W. side of 24-in. oak tree; copper nail and washer	866.13

	<u>Feet</u>
T. 35 N., R. 26 W., quarter cor. between secs. 20 and 21, 60 ft. S. and 12 ft. E. from rd. at cross fence, in root on E. side of 8-in. elm tree; copper nail and washer	807.42
Caplinger Mills, 0.5 mi. W. of, along County Route N, about 0.2 mi. N. of cor. secs. 16, 17, 20, and 21, T. 35 N., R. 26 W., 50 ft. S. and 40 ft. E. from dim crossroad, in concrete post; standard tablet stamped "505 C W A 1934"	839.783
Caplinger Mills, in SE 1/4 sec. 16, T. 35 N., R. 26 W., on N. end of E. concrete abutment of bridge over Sac River; chiseled square	764.35
T. 35 N., R. 26 W., center of SE 1/4 sec. 15, 335 ft. N. and 10 ft. W. from T-rd. W., on top of concrete culvert; chiseled square	763.13
T. 35 N., R. 26 W., in SE 1/4 sec. 10, 65 ft. S. and 35 ft. E. from T-rd. S., in root on E. side of 12-in. oak tree; copper nail and washer	853.57
T. 35 N., R. 26 W., in SW 1/4 sec. 11, 150 ft. S. of rd. corner, on NW. corner of concrete wall of bridge; chiseled square	813.23
4. FROM SEC. 23, T. 37 N., R. 27 W., SOUTH TO CAPLINGER MILLS (by O. F. Hodgdon in 1934)	
T. 37 N., R. 27 W., quarter cor. between secs. 23 and 24, 65 ft. S. and 25 ft. W. from T-rd. S.; in concrete post; standard tablet stamped "T T 61 B 1933"	812.332
Reference mark, 87 ft. N. and 25 ft. W. from tablet, in SE. side of 10-in. wild-cherry tree; copper nail and washer	816.98
T. 37 N., R. 27 W., cor. secs. 23, 24, 25, and 26, 25 ft. N. and 14 ft. W. from State Highway 82 at N.-S. crossroad, on top of W. head wall of iron pipe culvert; chiseled square	782.34
T. 37 N., R. 27 W., cor. secs. 25, 26, 35, and 36, 50 ft. N. and 110 ft. E. from T-rd. W., 95 ft. SE. of Virginia School, on W. side of concrete platform of well; chiseled square	842.91
T. 36 N., R. 27 W., 520 ft. S. and 20 ft. W. from N. cor. secs. 1 and 2, W. of rd., in root on E. side of 24-in. elm tree; copper nail and washer	828.20
T. 36 N., R. 27 W., near S. sixteenth cor. between secs. 1 and 2, 28 ft. E. of rd., 14 ft. E. of NW. corner of barnyard on property of C. T. Keeton, in concrete post; standard tablet stamped "T T 1141 W 1934"	880.857
Reference mark, 19 ft. N. and 7 ft. E. from tablet, in root on NW. side of 18-in. cedar tree; copper nail and washer	880.24
T. 36 N., R. 27 W., cor. secs. 11, 12, 13, and 14, 15 ft. N. of E.-W. rd. on Cedar-St. Clair county line, 15 ft. W. of T-rd. N., on S. end of W. head wall of concrete culvert; chiseled square	891.92
T. 36 N., R. 27 W., 35 ft. S. and 250 ft. W. from W. sixteenth cor. sec. 13, 40 ft. NE. of dwelling of A. W. Taylor, in root on W. side of 19-in. maple tree; copper nail and washer	904.57
T. 36 N., R. 27 W., near W. sixteenth cor. between secs. 13 and 24, 49 ft. N. of U.S. Highway 54, 74 ft. W. of N.-S. rd., 65 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 1138 W 1934"	887.247
Reference mark, 60 ft. S. and 155 ft. W. from tablet, on E. end of N. head wall of concrete culvert; chiseled square	883.51
T. 36 N., R. 27 W., cor. secs. 23, 24, 25, and 26, 225 ft. N. and 490 ft. E. from, 25 ft. E. of N.-S. rd., in root on SE. side of 24-in. walnut tree; copper nail and washer	829.26
T. 36 N., R. 27 W., about 0.2 mi. W. of cor. secs. 25, 26, 35, and 36, 7 ft. S. of rd., on S. head wall of concrete culvert; chiseled square	765.92
T. 36 N., R. 27 W., about 700 ft. S. of quarter cor. between secs. 26 and 35, on property of W. E. Hackleman, 42 ft. E. of rd., 19 ft. E. of fence corner, 3 ft. S. of wooden fence at NW. corner of barnyard, in concrete post; standard tablet stamped "T T 1142 W 1934"	835.388
Reference mark, 3 ft. S. and 81 ft. E. from tablet, in root on W. side of 10-in. walnut tree; copper nail and washer	835.95
T. 36 N., R. 27 W., 30 ft. N. and 150 ft. W. from S. sixteenth cor. sec. 35, in root on E. side of 17-in. post-oak tree; copper nail and washer	786.39
T. 35 N., R. 27 W., quarter cor. between secs. 1 and 2, 60 ft. N. and 5 ft. W. from E.-W. rd., 40 ft. E. of SE. corner of farmhouse of John Metcalf, in root on E. side of 24-in. post-oak tree; copper nail and washer	855.00
T. 35 N., R. 26 and 27 W., quarter cor. between secs. 1 and 6, 61 ft. N. and 24 ft. W. from T-rd. W., 20 ft. N. of fence corner, in concrete post; standard tablet stamped "T T 1143 W 1934"	876.682
Reference mark, 68 ft. S. and 24 ft. E. from tablet, in root on SW. side of 26-in. post-oak tree; copper nail and washer	878.68
T. 35 N., R. 26 and 27 W., quarter cor. between secs. 7 and 12, 50 ft. S. and 15 ft. E. from T-rd. E., in E. side of 10-in. wild-cherry tree; copper nail and washer	860.56
T. 35 N., R. 26 and 27 W., quarter cor. between secs. 13 and 18, 140 ft. N. and 18 ft. W. from T-rd. W., in root on NE. side of 23-in. wild-cherry tree; copper nail and washer	859.05
T. 35 N., R. 26 and 27 W., cor. secs. 13, 18, 19, and 24, 26 ft. S. and 33 ft. E. from T-rd. E., 20 ft. NE. of fence corner, in concrete post; standard tablet stamped "T T 1144 W 1934"	844.329
Reference mark, 2 ft. S. and 22 ft. W. from tablet, in root on W. side of 26-in. red-oak tree; copper nail and washer	841.13
T. 35 N., R. 26 W., cor. secs. 17, 18, 19, and 20, 125 ft. N. of County Route N, 35 ft. E. of N.-S. rd., in root on SE. side of 23-in. elm tree; copper nail and washer	896.95
Caplinger Mills, 0.5 mi. W. of, along County Route N, about 0.2 mi. N. of cor. secs. 16, 17, 20, and 21, T. 35 N., R. 26 W., 50 ft. S. and 40 ft. E. from dim crossroad, in concrete post; standard tablet stamped "505 C W A 1934"	839.783

	<u>Feet</u>
Reference mark, 13 ft. W. of tablet, on top of right-of-way post; chiseled cross	840.18
5. FROM HUMANSVILLE QUADRANGLE SOUTHWEST ALONG U.S. HIGHWAY 54 INTO WALKER QUADRANGLE (by O. F. Hodgdon in 1934) (Continued from Humansville quadrangle; see line 4.)	
T. 36 N., R. 26 W., near center of SW 1/4 sec. 12, 15 ft. N. of highway, in NW. concrete abutment wall of bridge over Sac River; standard tablet stamped "T T 1140 W 1934"	756.216
Reference mark, 25 ft. S. of tablet, on top of SW. concrete abutment wall of bridge; chiseled square	756.18
T. 36 N., R. 26 W., S. sixteenth cor. between secs. 10 and 11, 375 ft. N. and 325 ft. W. from, 50 ft. S. of highway, on property of J. F. Culbertson, on NE. corner of concrete foundation of gasoline pumps; chiseled square	793.69
T. 36 N., R. 26 W., 315 ft. N. of S. sixteenth cor. between secs. 9 and 10, 65 ft. NW. of farmhouse of J. T. Venter, 40 ft. S. of highway, in root on E. side of 20-in. walnut tree; copper nail and washer	800.50
T. 36 N., R. 26 W., near cor. secs. 8, 9, 16, and 17, 15 ft. N. and 190 ft. W. from junction of rd. N. on Cedar-St. Clair county line, in downstream head wall of concrete culvert over Varnall Branch; standard tablet stamped "T T 1139 W 1934"	769.213
Reference mark, 5 ft. W. of tablet, on W. end of N. head wall of concrete culvert; chiseled square	769.17
T. 36 N., R. 26 W., about 210 ft. E. of N. sixteenth cor. between secs. 17 and 18, S. of highway, on E. end of S. head wall of concrete pipe culvert; chiseled square	864.92
T. 36 N., R. 26 W., center of SW 1/4 sec. 18, on N. head wall of concrete culvert; chiseled square	874.84
T. 36 N., R. 27 W., 300 ft. N. and 460 ft. E. from W. sixteenth cor. sec. 23, on center of S. head wall of bridge over Camp Branch; chiseled square	792.95
T. 36 N., R. 27 W., S. sixteenth cor. sec. 22, 35 ft. N. of highway, 16 ft. E. of Caplinger Mills-Cedar Springs rd., on S. end of E. concrete head wall of iron pipe culvert; chiseled square	883.81
Eldorado Springs, 6.5 mi. E. of, about 200 ft. N. of cor. secs. 21, 22, 27, and 28, T. 36 N., R. 27 W., 41 ft. S. of highway, 56 ft. W. of N.-S. rd., 39 ft. W. of fence corner, in concrete post; standard tablet stamped "T T 1137 W 1934"	964.557
Reference mark, 95 ft. N. and 75 ft. E. from tablet, 25 ft. N. of highway, 16 ft. E. of N.-S. rd., on S. end of E. concrete head wall of iron pipe culvert; chiseled square	969.23
Eldorado Springs, about 5.5 mi. E. of, 30 ft. S. of highway, 16 ft. E. of N.-S. rd., on E. concrete head wall of iron pipe culvert; chiseled square	949.12
Eldorado Springs, about 4.5 mi. E. of, 35 ft. N. of highway, 12 ft. E. of N.-S. rd., on E. head wall of iron pipe culvert; chiseled square	929.80
Eldorado Springs, 3.5 mi. E. of, 40 ft. S. and 22 ft. E. from junction of rd. N., in concrete post; standard tablet stamped "T T 1136 W 1936"	893.477
Reference mark, 79 ft. N. and 15 ft. W. from tablet, 40 ft. N. of highway, 16 ft. E. of rd. N., on E. head wall of iron pipe culvert; chiseled square	895.16
Eldorado Springs, about 2.5 mi. E. of, 30 ft. S. of highway, 15 ft. E. of rd. S., on E. concrete head wall of iron pipe culvert; chiseled square	919.06
Eldorado Springs, about 1.5 mi. E. of, on N. head wall of concrete culvert; chiseled square	875.87
(Continued in Walker quadrangle; see line 4.)	
6. FROM POINT ABOUT 1.2 MILES EAST OF TIFFIN SOUTHWEST ALONG STATE HIGHWAY 82 INTO WALKER QUADRANGLE (by C. T. Shepherd in 1935)	
Tiffin, about 1.2 mi. E. of, on N. head wall of concrete culvert; chiseled square	803.49
Tiffin, 134 ft. N. and 21 ft. E. from N.-S. crossroad, 44 ft. N. of NW. corner of filling sta., in concrete post; standard tablet stamped "T T 1135 W 1934"	842.388
Eldorado Springs, 6.4 mi. NE. of, 36 ft. N. and 18 ft. E. from crossroad, on E. head wall of culvert; chiseled square	783.45
Eldorado Springs, 5.5 mi. NE. of, 33 ft. N. of crossroad, on head wall of culvert; chiseled square	801.22
Eldorado Springs, 5.1 mi. NE. of, 0.2 mi. SW. of concrete bridge over Clear Creek, 20 ft. W. of farm entrance S., 15 ft. S. of highway, in head wall of concrete culvert; standard tablet stamped "T T 1134 W 1934"	823.460
Eldorado Springs, 4 mi. NE. of, on W. end of S. head wall of concrete culvert; chiseled square	904.06
(Continued in Walker quadrangle; see line 6.)	

7. FROM SEC. 23, T. 37 N., R. 27 W., NORTH INTO CLINTON NO. 3 QUADRANGLE AT SEC. 1, T. 37 N., R. 27 W. (by C. T. Shepherd in 1935)\*

T. 37 N., R. 27 W., near E. sixteenth cor. between secs. 14 and 23, 9 ft. S. and 30 ft. E. from rd. corner, in root of 18-in. walnut tree; copper nail and washer	Feet 833.68
T. 37 N., R. 27 W., in E 1/2 sec. 14, 275 ft. N. of frame dwelling, 11 ft. W. of rd.; (mark not described)	858.04
T. 37 N., R. 27 W., on line between secs. 12 and 13, 15 ft. S. and 30 ft. W. from T-rd. N., in root of 24-in. oak tree; copper nail and washer	809.97
Monégaw Springs, 2.5 mi. S. and 0.5 mi. W. from, W. sixteenth cor. between secs. 1 and 12, T. 37 N., R. 27 W., 15 ft. N. of T-rd. S., in concrete post; standard tablet stamped "T T 606 C W A 1934"	813.380
Reference mark, 130 ft. N. of tablet, in root of 36-in. oak tree; copper nail and washer	808.60

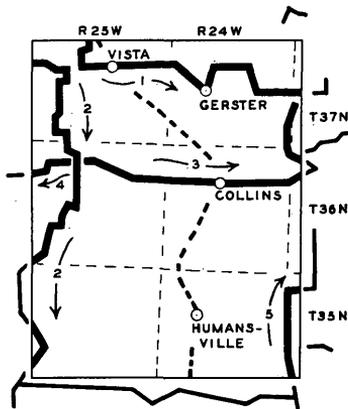
8. FROM STOCKTON QUADRANGLE AT SEC. 3, T. 34 N., R. 27 W., NORTH TO SEC. 34, T. 35 N., R. 27 W. (by C. W. Williams in 1936)  
(Continued from Stockton quadrangle; see line 9.)

T. 34 N., R. 27 W., N. cor. secs. 3 and 4, 7 ft. N. and 8 ft. W. from T-rd. S., on top of E. end of large limestone boulder; chiseled square	860.69
T-rd., 43 ft. N. and 12 ft. E. from, in root on W. side of 16-in. post-oak tree; crossed nails	902.59
T. 35 N., R. 27 W., near quarter cor. between secs. 34 and 35, 15 ft. E. of rd. at small wooden bridge, in root on W. side of triple elm tree; copper nail and washer	816.81
Ford across Horse Creek, 50 ft. S. of, in root on NW. side of 18-in. elm tree; crossed nails	776.00

For an additional level line along State Highway 64, refer to United States Coast and Geodetic Survey second-order line, Fair Play to Nevada.

HUMANSVILLE QUADRANGLE  
(Latitude 37°45'1"-38°00'; longitude 93°30'-93°45')

Cedar, Hickory, Polk, and St. Clair Counties



1. FROM SEC. 8, T. 37 N., R. 25 W., EAST ALONG ROADS AND STATE HIGHWAY 13 TO VISTA, THENCE EAST ALONG VISTA-GERSTER ROAD (now County Route T) TO GERSTER, THENCE NORTH AND EAST INTO HERMITAGE QUADRANGLE AT SEC. 13, T. 37 N., R. 24 W. (second-order line by H. P. Jones in 1934)\*\*

Bradford School, about 0.5 mi. N. of, quarter cor. between secs. 5 and 8, T. 37 N., R. 25 W., 22 ft. S. and 33 ft. W. from T-rd. S., in concrete post; standard tablet stamped "T T 65 B 1933"	858.478
Reference mark, 33 ft. E. of tablet, on top of head wall of concrete culvert; chiseled square	860.04
Vista, about 1 mi. W. of, along State Highway 13, about 300 ft. NW. of junction of rd. W., on W. head wall of concrete culvert; chiseled square	902.19
Vista, at W. limits of, on State Highway 13, about 325 ft. W. of junction of rd. N., on N. head wall of concrete culvert; chiseled square	856.32
Vista, 0.5 mi. E. of, 590 ft. E. of cor. secs. 2, 3, 10, and 11, T. 37 N., R. 25 W., 200 ft. W. of crossing of old St. Louis-San Francisco Ry. grade, 35 ft. N. of rd., 17 ft. N. of fence, 40 ft. NW. of 12-in. cedar tree, in ledge; standard tablet stamped "T T 87 B 1933 868"	867.273

\*In Clinton No. 3 quadrangle, line 3 (see Bull. 898-H, p. 1029).

\*\*In Lowry City quadrangle, line 2 (see Bull. 898-H, p. 1024).

	<u>Feet</u>
Vista, 1.3 mi. E. of, N. sixteenth cor. between secs. 11 and 12, T. 37 N., R. 25 W., 65 ft. N. and 45 ft. E. from junction of rd. E., in root on SE. side of 6-in. post-oak tree; copper nail and washer	925.76
Vista, 2.4 mi. E. of, near cor. secs. 1, 6, 7, and 12, T. 37 N., Rs. 24 and 25 W., 40 ft. N. and 25 ft. W. from rd. junction, 20 ft. E. of fence, in root on N. side of 40-in. elm tree; copper nail and washer	762.29
Gerster, 3 mi. NW. of, in SE 1/4 sec. 7, T. 37 N., R. 24 W., 0.3 mi. SE. of Weaubleau River, in front of farmhouse of J. F. Miller, 40 ft. W. of rd., 4 ft. N. of gate, in concrete post; standard tablet stamped "T T 88 B 1933 783"	782.097
Gerster, 2.3 mi. NW. of, in NW 1/4 sec. 17, T. 37 N., R. 24 W., about 1 mi. SE. of Weaubleau River, near top of hill, 30 ft. W. of junction of dim rd. SW., in root on E. side of 20-in. black-oak tree; copper nail and washer	900.90
Gerster, 1.1 mi. NW. of, in SE 1/4 sec. 17, T. 37 N., R. 24 W., about 500 ft. S. of Crossroads School, 10 ft. S. and 30 ft. E. from junction of dim rd. E., in root on N. side of 18-in. black-oak tree; copper nail and washer	913.13
Gerster, about 0.2 mi. N. of business district, 30 ft. S. and 35 ft. W. from junction of rd. S., 25 ft. N. and 15 ft. E. from NE. corner of Baptist Church, in concrete post; standard tablet stamped "T T 89 B 1933 859"	857.348
Gerster, 0.9 mi. NE. of, in SW 1/4 sec. 15, T. 37 N., R. 24 W., at rd. corner, 25 ft. S. of rd. E., 40 ft. W. of rd. S., in root on E. side of 15-in. oak tree; copper nail and washer	947.39
Gerster, 2 mi. NE. of, near quarter cor. between secs. 10 and 15, T. 37 N., R. 24 W., 150 ft. S. of rd. corner, 10 ft. N. and 10 ft. E. from NE. corner of old dwelling, 25 ft. W. of rd., in root on E. side of 12-in. post-oak tree; copper nail and washer	972.28
Gerster, 3 mi. NE. of, in SW 1/4 sec. 11, T. 37 N., R. 24 W., 30 ft. N. and 115 ft. E. from T-rd. N., in root on S. side of 12-in. maple tree; copper nail and washer	965.60
T. 37 N., R. 24 W., center of SE 1/4 sec. 11, 120 ft. S. and 20 ft. W. from rd. corner, in line with S. face of Kings Prairie School, in concrete post; standard tablet stamped "T T 90 B 1933 960"	958.565
Kings Prairie School, 0.8 mi. SE. of, near N. sixteenth cor. between secs. 13 and 14, T. 37 N., R. 24 W., at rd. corner, 20 ft. S. of rd. E., 5 ft. W. of rd. N., 2 ft. N. of fence corner, in concrete post; top of iron rivet	985.68
Fairview School, 1.2 mi. W. of, in SE 1/4 sec. 13, T. 37 N., R. 24 W., 30 ft. N. and 15 ft. E. from crossroads, in root on N. side of 36-in. black-oak tree; copper nail and washer	1,025.01

(Continued in Hermitage quadrangle; see line 1.)

2. FROM PLEASANT VIEW QUADRANGLE AT SEC. 12, T. 37 N., R. 26 W.,  
SOUTH INTO PLEASANT VIEW QUADRANGLE AT SEC. 24, T. 35 N.,  
R. 26 W. (by H. P. Jones in 1933)\*  
(Continued from Pleasant View quadrangle; see line 1.)

T. 37 N., R. 26 W., near center of SE 1/4 sec. 1, on State Highway 82, 3 ft. N. and 45 ft. E. from N. end of bridge over Sac River, 110 ft. S. and 45 ft. E. from junction of rd. E., in limestone ledge; standard tablet stamped "T T 64 B 1933"	733.240
T. 37 N., R. 25 W., near quarter cor. between secs. 6 and 7, S. of rd. at iron gate, in root on N. side of 24-in. oak tree; copper nail and washer	829.08
T. 37 N., R. 25 W., S. sixteenth cor. sec. 8, about 100 ft. W. of T-rd. W., in root on W. side of 22-in. oak tree; copper nail and washer	837.25
T. 37 N., R. 25 W., N. sixteenth cor. between secs. 17 and 18, 20 ft. N. and 25 ft. W. from T-rd. W., in root on NE. side of 9-in. oak tree; copper nail and washer	818.30
T. 37 N., R. 25 W., W. sixteenth cor. between secs. 18 and 19, at top of hill, in E. angle of triangle formed by rd. fork W., in root on S. side of 6-in. oak tree; copper nail and washer	813.26
T. 37 N., R. 25 W., in SE 1/4 sec. 18, at bridge over Coon Creek, on E. end of N. concrete abutment; chiseled square	721.82
T. 37 N., R. 25 W., near N. sixteenth cor. sec. 19, 23 ft. N. of rd. W. from rd. corner, 100 ft. W. of rd. N., 3 ft. N. of fence, in concrete post; standard tablet stamped "T T 66 B 1933"	768.813
T. 37 N., R. 25 W., in NW 1/4 sec. 30, W. of rd., on top of head wall of concrete culvert; chiseled square	819.83
T. 37 N., R. 25 and 26 W., quarter cor. between secs. 25 and 30, 50 ft. S. and 10 ft. W. from T-rd. W., on top of head wall of concrete culvert; chiseled square	800.90
T. 37 N., R. 25 and 26 W., cor. secs. 25, 30, 31, and 36, 100 ft. SW. of T-rd. E., on NE. concrete wing wall of bridge; chiseled square	788.06
Tps. 36 and 37 N., Rs. 25 and 26 W., cor. of, 50 ft. N. and 25 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T 67 B 1933"	830.903
T. 36 N., R. 25 W., in NE 1/4 sec. 6, 15 ft. N. and 25 ft. E. from lane E. to farmhouse, 10 ft. N. of wire gate, in root on NW. side of 26-in. oak tree; copper nail and washer	832.65
T. 36 N., R. 25 W., cor. secs. 5, 6, 7, and 8, 10 ft. S. and 18 ft. E. from T-rd. E., on top of head wall of concrete culvert; chiseled square	846.33
T. 36 N., R. 25 W., quarter cor. between secs. 5 and 8, 45 ft. S. of State Highway 54, 47 ft. E. of rd. S., 27 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 68 B 1933"	907.219
T. 36 N., R. 25 W., in SW 1/4 sec. 8, 40 ft. S. and 18 ft. E. from dim rd. fork SE., in root on NW. side of twin hickory tree; copper nail and washer	828.33

\*Line 3 of Lowry City quadrangle includes a portion of this line (see Bull. 898-H, p. 1024).

	<u>Feet</u>
T. 36 N., R. 26 W., near center of SW 1/4 sec. 17, 30 ft. E. of wooden culvert at T-rd. W., in root on W. side of 8-in. elm tree; copper nail and washer	771.98
Birdsong Store, about 0.2 mi. NE. of, in NW 1/4 NE 1/4 sec. 19, T. 36 N., R. 26 W., 0.5 mi. SW. of bridge over Brush Creek, 290 ft. S. of farmhouse of C. D. Bishop, 15 ft. S. and 18 ft. W. from rd. forks, in concrete post; standard tablet stamped "T T 69 B 1933"	863.484
T. 36 N., R. 26 W., near center sec. 19, 40 ft. W. of T-rd. E., in root on E. side of 8-in. oak tree; copper nail and washer	938.94
T. 36 N., R. 26 W., N. sixteenth cor. sec. 25, 95 ft. SW. of stone culvert at rd. corner, in root on E. side of 18-in. oak tree; copper nail and washer	903.14
T. 36 N., R. 26 W., N. sixteenth cor. sec. 36, 45 ft. N. and 42 ft. E. from T-rd. N., 23 ft. N. and 18 ft. E. from fence corner, in sandstone ledge; standard tablet stamped "T T 70 B 1933"	915.222
(For balance in Pleasant View quadrangle, see line 2.)	
T. 35 N., R. 26 W., in SE 1/4 sec. 24, 35 ft. S. and 35 ft. E. from crossroads, in root on W. side of 18-in. oak tree; copper nail and washer	976.05
(Continued in Pleasant View quadrangle; see line 2.)	
3. FROM SEC. 8, T. 36 N., R. 25 W., EAST ALONG U.S. HIGHWAY 54 TO SEC. 7, T. 36 N., R. 23 W., THENCE NORTH TO SEC. 18, T. 37 N., R. 23 W. (by O. F. Hodgdon in 1934)	
T. 36 N., R. 25 W., quarter cor. between secs. 5 and 8, 45 ft. S. of highway, 47 ft. E. of rd. S., 27 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 68 B 1933"	907.219
Reference mark, 24 ft. N. and 17 ft. W. from tablet, on E. end of S. head wall of concrete culvert; chiseled square	909.74
T. 36 N., R. 25 W., 17 ft. S. and 235 ft. W. from quarter cor. between secs. 4 and 9, at center on S. head wall of concrete culvert; chiseled square	906.65
Jackson School, about 750 ft. SE. of, 710 ft. S. and 525 ft. E. from quarter cor. between secs. 9 and 10, T. 36 N., R. 25 W., S. of highway, at center on NW. head wall of iron pipe culvert; chiseled square	978.78
Collins, 2.5 mi. W. of, 37 ft. N. and 65 ft. W. from N.-S. crossroad, 3 ft. N. of fence, in concrete post; standard tablet stamped "T T 1151 W 1934"	959.660
Reference mark, 18 ft. S. and 90 ft. E. from tablet, at center on N. head wall of concrete pipe culvert; chiseled square	960.28
Collins, 1.5 mi. W. of, 28 ft. S. of highway, 12 ft. W. of crossroad, at center on W. head wall of iron pipe culvert; chiseled square	931.35
Collins, at junction of State Highway 13, 65 ft. S. of Highway 54, 205 ft. W. of Highway 13, in concrete post; U.S.C. & G.S. standard disk stamped "p 22 1934"	851.088
Reference mark, 70 ft. N. and 360 ft. W. from disk, on SE. corner of concrete abutment of bridge J-956 over Coon Creek; chiseled square	851.98
Collins, 0.8 mi. E. of, on NW. abutment of bridge J-957 over Weaubleau Creek; chiseled square	849.05
Collins, 1.8 mi. E. of, at center on N. head wall of concrete culvert; chiseled square	938.67
Weaubleau, 1.5 mi. W. of, 30 ft. S. and 30 ft. W. from highway at Hickory-St. Clair county line sign, in NE. corner of garden on Selring property, in concrete post; standard tablet stamped "T T 1152 W 1934"	962.410
Reference mark, 10 ft. N. and 107 ft. E. from tablet, on W. end of S. concrete head wall of tile pipe culvert; chiseled square	962.09
Weaubleau, 0.8 mi. W. of, at center on S. head wall of concrete culvert; chiseled square	951.27
Weaubleau, 122 ft. E. of SE. corner of Main and Washington Streets, on concrete foundation of brick post office building; chiseled square	978.91
Weaubleau, 1.3 mi. E. of, 27 ft. S. and 58 ft. E. from junction of rd. N., 70 ft. E. of fence corner, in concrete post; standard tablet stamped "T T 1153 W 1934"	876.250
Reference mark, 10 ft. N. and 475 ft. W. from tablet, at center on S. head wall of concrete culvert; chiseled square	877.11
T. 36 N., R. 23 W., 13 ft. N. and 175 ft. W. from center of NW 1/4 sec. 7, at center on N. head wall of concrete culvert; chiseled square	862.04
(For balance in Hermitage quadrangle, see line 2.)	
T. 37 N., R. 23 W., 400 ft. N. and 45 ft. E. from center of SW 1/4 sec. 31, about 65 ft. SW. of log dwelling, in root on SW. side of 27-in. post-oak tree; copper nail and washer	932.31
Weaubleau, 3 mi. NE. of, along U.S. Highway 54, thence 1.5 mi. NW. along rd., in NW 1/4 sec. 31, T. 37 N., R. 23 W., 2 ft. SE. of SE. corner of garden of C. P. Coffey, 15 ft. W. of rd., in concrete post; standard tablet stamped "T T 559 C W A 1934"	874.585
Reference mark, 160 ft. N. and 120 ft. W. from tablet, on concrete porch floor; chiseled square	881.50
T. 37 N., R. 23 W., 500 ft. N. and 30 ft. W. from S. sixteenth cor. sec. 30, 60 ft. NW. of rd. forks, about 350 ft. NW. of farmhouse of Allen Tucker, in root on E. side of twin 21-in. red-oak tree; copper nail and washer	973.70
T. 37 N., R. 23 W., quarter cor. between secs. 19 and 30, 25 ft. W. of N.-S. rd., 30 ft. S. of E.-W. rd. (abandoned), at gatepost, in root on NE. side of 11-in. white-oak tree; copper nail and washer	960.90

Gerster, 5 mi. E. of, along Gerster-Wheatland rd., 8 ft. E. of stone at S. sixteenth cor. sec. 18, T. 37 N., R. 23 W., at crossroads, in SW. corner of yard of T. W. Jennings, in concrete post; standard tablet stamped "T T 558 C W A 1934"	<u>Feet</u> 1,010.225
Reference mark, 100 ft. N. and 30 ft. E. from tablet, on SW. corner of concrete well cover; chiseled square	1,011.32

4. FROM SEC. 8, T. 36 N., R. 25 W., WEST ALONG U.S. HIGHWAY 54 INTO PLEASANT VIEW QUADRANGLE (by O. F. Hodgdon in 1934)

T. 36 N., R. 25 W., 30 ft. S. and 225 ft. E. from cor. secs. 5, 6, 7, and 8, at E. end on S. head wall of concrete culvert; chiseled square	842.32
T. 36 N., R. 25 W., near N. sixteenth cor. between secs. 7 and 8, at junction of rd. N., at N. end on E. head wall of iron pipe culvert; chiseled square	874.46
T. 36 N., R. 26 W., 82 ft. S. and 80 ft. E. from center of NE 1/4 sec. 12, at center on S. head wall of concrete culvert; chiseled square	837.23

(Continued in Pleasant View quadrangle; see line 5.)

5. FROM FAIR PLAY QUADRANGLE AT SEC. 31, T. 35 N., R. 23 W., NORTH AND EAST INTO HERMITAGE QUADRANGLE AT SEC. 5, T. 35 N., R. 23 W. (by C. W. Williams in 1936)

(Continued from Fair Play quadrangle; see line 8.)

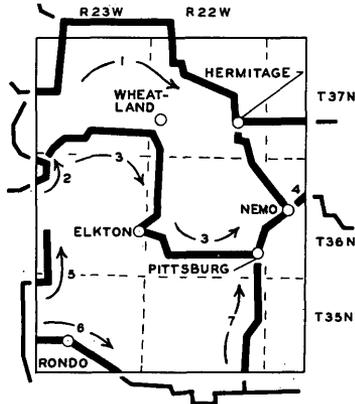
T. 35 N., R. 23 W., S. sixteenth cor. between secs. 29 and 30, 111 ft. S. and 15 ft. E. from rd. at fences E. and W., 6 ft. N. and 105 ft. E. from NE. corner of farmhouse, in root on NW. side of 24-in. elm tree; copper nail and washer	1,154.70
T. 35 N., R. 23 W., cor. secs. 19, 20, 29, and 30, 30 ft. N. and 35 ft. E. from crossroads, in concrete post; standard tablet stamped "159 C W A 1934"	1,146.020
Reference mark, 14 ft. S. and 120 ft. W. from tablet, on concrete walk at farmhouse; chiseled square	1,149.59
T. 35 N., R. 23 W., cor. secs. 17, 18, 19, and 20, 20 ft. S. and 32 ft. W. from crossroads, in root on SW. side of 30-in. elm tree; copper nail and washer	1,096.00
Flemington, 0.6 mi. S. of, cor. secs. 7, 8, 17, and 18, T. 35 N., R. 23 W., 11 ft. S. and 25 ft. E. from crossroads, on top at center of S. head wall of concrete culvert; chiseled square	1,069.80
Flemington, 95 ft. S. and 26 ft. W. from intersection of Main and Smith Streets, at SE. corner of post office, on concrete sidewalk; chiseled square	1,125.75
T-rd. E., 93 ft. S. and 35 ft. W. from, in root on W. side of 14-in. maple tree; crossed nails	1,122.54
Flemington, 1 mi. N. of, quarter cor. between secs. 5 and 6, T. 35 N., R. 23 W., 25 ft. N. and 12 ft. E. from T-rd. S., in concrete post; standard tablet stamped "T T 601 C W A 1934"	1,115.524
T-rd. E., 30 ft. N. and 60 ft. W. from, on top of N. corner of concrete step to school; chiseled square	1,138.66

(Continued in Hermitage quadrangle; see line 5.)

For an additional level line along St. Louis-San Francisco Ry., refer to United States Coast and Geodetic Survey second-order line, Sedalia to Springfield.

HERMITAGE QUADRANGLE  
(Latitude 37°45'-38°00'; longitude 93°15'-93°30')

Hickory and Polk Counties



1. FROM HUMANSVILLE QUADRANGLE AT SEC. 13, T. 37 N., R. 24 W., EAST AND NORTH TO QUINCY, THENCE EAST TO WHITE CLOUD, THENCE SOUTH-EAST TO HERMITAGE, THENCE EAST ALONG U.S. HIGHWAY 54 INTO URBANA QUADRANGLE, INCLUDING THAT PART OF THE LINE IN FRISTOE QUADRANGLE (second-order line by H. P. Jones in 1934)\*  
(Continued from Humansville quadrangle; see line 1.)

	<u>Feet</u>
Fairview Church, S. sixteenth cor. between secs. 17 and 18, T. 37 N., R. 23 W., 25 ft. N. and 192 ft. W. from T-rd. N., 32 ft. S. and 135 ft. W. from church, 32 ft. S. and 107 ft. E. from Fairview School, in concrete post; standard tablet stamped "T T 91 B 1933 1009"	1,008.030
T. 37 N., R. 23 W., near cor. secs. 16, 17, 20, and 21, 400 ft. S. of State Highway 83 at crossroad, on E. end of N. abutment of bridge; chiseled square	969.98
T. 37 N., R. 23 W., cor. secs. 8, 9, 16, and 17, 10 ft. S. and 25 ft. E. from State Highway 83 at rd. E., on S. head wall of concrete culvert; chiseled square	991.25
T. 37 N., R. 23 W., approximate N. sixteenth cor. between secs. 8 and 9, 895 ft. S. of concrete bridge over Nogles Creek, 22 ft. S. and 30 ft. W. from State Highway 83 at private rd. W. through gate, in concrete post; standard tablet stamped "T T 92 B 1933 950"	949.207
Quincy, 1.2 mi. S. of, along State Highway 83, 10 ft. S. and 25 ft. E. from junction of rd. E., on S. head wall of concrete culvert; chiseled square	963.53
Quincy, about 0.2 mi. S. of post office, along State Highway 83, 20 ft. N. and 20 ft. E. from junction of rd. E., on N. head wall of culvert; chiseled square	959.89
Quincy, 0.3 mi. N. of, along State Highway 83, 20 ft. N. and 31 ft. W. from junction of rd. E., 175 ft. W. of T-fence N., in concrete post; standard tablet stamped "T T 93 B 1933 962"	961.179
Quincy, 1.4 mi. NE. of, near line between secs. 27 and 28, T. 38 N., R. 23 W., 15 ft. N. of rd. fork S., in root on S. side of 18-in. black-oak tree; copper nail and washer	968.78
Quincy, 2.3 mi. NE. of, near center sec. 27, T. 38 N., R. 23 W., on N. end of E. abutment of bridge over Pomme de Terre River; chiseled square	804.32
Quincy, 2.8 mi. NE. of, 0.5 mi. E. of bridge over Pomme de Terre River, near line between secs. 26 and 27, T. 38 N., R. 23 W., 15 ft. S. of rd. fork S., in root on N. side of 12-in. black-oak tree; copper nail and washer	850.16
White Cloud, about 2.7 mi. W. of, 1.6 mi. N. of Myers School, on line between secs. 23 and 26, T. 38 N., R. 23 W., 34 ft. S. and 30 ft. W. from T-rd. W., in concrete post; standard tablet stamped "T T 94 B 1933 968"	967.127
White Cloud, 1.2 mi. W. of, in NW 1/4 sec. 30, T. 38 N., R. 22 W., 40 ft. S. and 35 ft. W. from junction of private rd. S., in root on S. side of 20-in. black-oak tree; copper nail and washer	972.16
White Cloud, at SW. corner of store of J. C. Franklin, 15 ft. N. and 45 ft. E. from crossroads, in NW. corner of concrete porch; standard tablet stamped "14 J 1934 985"	983.809
White Cloud, 1 mi. S. of, along County Route B, in NW 1/4 sec. 32, T. 38 N., R. 22 W., about 350 ft. N. of junction of rd. E., 30 ft. W. of rd., in root on S. side of 24-in. elm tree; copper nail and washer	1,024.50
T. 38 N., R. 22 W., in E 1/2 sec. 32, on mail route from White Cloud to Cross Timbers, at crossroads, at dwelling of Harrison Barsche, in root of stump of 12-in. oak tree; nail	1,037.84
Tps. 37 and 38 N., R. 22 W., cor. secs. 5, 6, 31, and 32, 800 ft. W. of rd. at fence N.-S., 32 ft. S. and 35 ft. W. from crossroads, in concrete post; standard tablet stamped "T T 95 B 1933 1014"	1,012.777

\*In Fristoe quadrangle, line 1 (see Bull. 898-G, pp. 977-978).

	<u>Feet</u>
T. 37 N., R. 22 W., in SW 1/4 sec. 5, about 0.2 mi. W. of T-rd. S., near center of NE. wing wall of small bridge; chiseled square	955.22
T. 37 N., R. 22 W., about 240 ft. W. of S. sixteenth cor. sec. 4, 28 ft. S. and 5 ft. W. from rd. fork W., in concrete post; standard tablet stamped "T T 96 B 1933 1034"	1,032.589
Hopewell School, 0.7 mi. W. of, along Hermitage-Quincy-White Cloud rd., 8 ft. N. of rd., in root on W. side of 24-in. black-oak tree; copper nail and washer	908.71
Hopewell School, on old Hermitage-Quincy-White Cloud rd., 9 ft. S. and 30 ft. W. from crossroad, 130 ft. NE. of NE. corner of schoolhouse, in root on S. side of 24-in. black-oak tree; copper nail and washer	851.55
Hopewell School, 0.9 mi. E. of, along old Hermitage-Quincy White Cloud rd., 0.6 mi. N. of bridge over Pomme de Terre River, 30 ft. S. and 15 ft. E. from crossroad, in root on NW. side of 20-in. black-oak tree; copper nail and washer	836.51
Hopewell School, 1.5 mi. SE. of, along old Hermitage-Quincy-White Cloud rd., 125 ft. N. of N. end of bridge over Pomme de Terre River, 4 ft. W. of rd., in root on W. side of 20-in. walnut tree; copper nail and washer	735.32
Hermitage, 3.7 mi. NE. of, along old Cross Timbers-Hermitage rd., 0.8 mi. E. of bridge over Pomme de Terre River, 18 ft. N. of W. junction of rd. to Quincy, in large sandstone outcrop; standard tablet stamped "T T 97 B 1933 924"	922.755
Hermitage, 2.9 mi. NE. of, along old Cross Timbers-Hermitage rd., on SE. wing wall of concrete bridge over Mill Creek; chiseled square	753.60
Hermitage, 2.4 mi. NE. of, along old Cross Timbers-Hermitage rd., 0.5 mi. N. of Clark School, 45 ft. N. and 50 ft. W. from rd. junction, 20 ft. W. of rd. to Cross Timbers, in root on E. side of 18-in. hickory tree; copper nail and washer	895.67
Hermitage, 1.9 mi. E. of, along U.S. Highway 54, 65 ft. N. and 75 ft. E. from junction of old Cross Timbers-Hermitage rd., in root on S. side of 15-in. black-oak tree; copper nail and washer	944.98
Hermitage, about 0.5 mi. E. of, along U.S. Highway 54, on bridge over Pomme de Terre River, at E. end of steel truss of bridge, in top of upstream end of pier; standard tablet (set by water-resources branch of U.S. Geol. Survey)	755.672
Hermitage, 25 ft. N. and 78 ft. E. from NE. corner of courthouse, 100 ft. S. and 45 ft. W. from U.S. Highway 54 at crossroad, in concrete post; standard tablet stamped "T T 98 B 1933 823"	821.910
Hermitage, 2.2 mi. E. of, 1 mi. W. of Victory School, 160 ft. W. of junction of lane N., on N. head wall of culvert; chiseled square	964.15
Hermitage, 3.2 mi. E. of, 3 mi. W. of Preston, 75 ft. N. and 85 ft. E. from junction of rd. N., 75 ft. S. of S. gable of Victory School, in concrete post; standard tablet stamped "T T 99 B 1933 974"	972.637
Preston triangulation sta.; U.S.C. & G.S. standard disk	1,120.261
U.S.C. & G.S. standard reference disk	1,106.125

(Continued in Urbana quadrangle; see line 1.)

2. FROM HUMANSVILLE QUADRANGLE AT SEC. 6, T. 36 N., R. 23 W., INTO HUMANSVILLE QUADRANGLE AT SEC. 6, T. 36 N., R. 23 W. (by O. F. Hodgdon in 1934)  
(Continued from Humansville quadrangle; see line 3.)

Weaubleau, 3 mi. NE. of, along U.S. Highway 54, in line with highway S. and fence E. along S. side of highway, 20 ft. S. of fence corner, in concrete post; standard tablet stamped "T T 602 C W A 1934"	945.430
Reference mark, 10 ft. N. and 175 ft. E. from tablet, on center of S. head wall of concrete culvert; chiseled square	944.70

(Continued in Humansville quadrangle; see line 3.)

3. FROM SEC. 32, T. 37 N., R. 23 W., EAST ALONG U.S. HIGHWAY 54 TO POINT 1.2 MILES SOUTH OF WHEATLAND, THENCE SOUTH ALONG STATE HIGHWAY 83 TO ELKTON, THENCE EAST ALONG ROADS TO PITTSBURG, THENCE NORTHEAST TO NEMO AND NORTHWEST TO HERMITAGE (by G. R. Hamlin in 1936)

Weaubleau, 4 mi. NE. of, at junction of U.S. Highway 54 and State Highway 83, on head wall of concrete culvert under side rd. between highways; chiseled square	872.20
T. 37 N., R. 23 W., S. sixteenth cor. between secs. 32 and 33, on U.S. Highway 54, 150 ft. N. and 75 ft. E. from crossroad, in root on S. side of 24-in. black-oak tree; copper nail and washer	974.51
Wheatland, 2 mi. S. and 3 mi. W. from, on U.S. Highway 54, 22 ft. S. and 26 ft. W. from junction of rd. S., in concrete post; standard tablet stamped "1252 C W A 1934"	1,036.700
Wheatland, 1.2 mi. S., thence 3 mi. W. from, on NE. concrete head wall of culvert; chiseled square	1,036.28
Wheatland, 1.2 mi. S., thence 2 mi. W. from, on W. concrete head wall of culvert; chiseled square	1,048.52
Wheatland, 1.2 mi. S., thence 1 mi. W. from, on S. concrete head wall of culvert; chiseled square	1,063.66
Wheatland, 1.2 mi. S., thence 0.5 mi. W. from, 57 ft. S. and 33 ft. E. from junction of State Highway 83, in concrete post; standard tablet stamped "1253 C W A 1934"	1,071.851
Elkton, 4.5 mi. N. of, at junction of rd. E., on S. end of steel pipe culvert; painted square	1,041.88

	Feet
Elkton, 4 mi. N. of, 300 ft. S. of crossroad, on S. end of W. head wall of culvert; chiseled square	992.04
Elkton, 3 mi. N. of, 15 ft. N. and 35 ft. E. from crossroad, in root on W. side of 10-in. elm tree; copper nail and washer	1,050.80
Junction of rd. E., on S. stone head wall of steel culvert; chiseled square	1,006.67
Elkton, 2.2 mi. N. of, 85 ft. S. and 29 ft. W. from highway at fences E. and W., in concrete post; standard tablet stamped "1254 C W A 1935"	1,022.631
Elkton, 1.5 mi. N. of, 115 ft. N. and 30 ft. E. from crossroad, in root on S. side of 20-in. elm tree; copper nail and washer	1,066.16
Junction of rd. E., 35 ft. W. of, in top of stump of 4-in. elm tree; crossed nails	1,079.96
Elkton, about 1 mi. N. of, on N. end of E. head wall of culvert; chiseled cross	1,040.30
Elkton, 0.5 mi. N. of, 15 ft. S. and 90 ft. W. from junction of rd. E., in top of stump of 4-in. wild-cherry tree; copper nail and washer	1,076.09
Elkton, 75 ft. N. and 34 ft. E. from NE. corner of Christian Church, 417 ft. N. of State Highway 83 at E.-W. crossroad, 9 ft. S. of fence corner, in concrete post; standard tablet stamped "1255 C W A 1935"	1,107.962
Elkton, 0.8 mi. E. of, E. sixteenth cor. between secs. 24 and 25, T. 36 N., R. 23 W., 35 ft. N. and 10 ft. E. from crossroads, in root on S. side of 14-in. white-oak tree; copper nail and washer	1,101.41
Elkton, 1.5 mi. E. of, 700 ft. S. of quarter cor. between secs. 19 and 30, T. 36 N., R. 22 W., 25 ft. S. and 25 ft. W. from T-rd. W., in root on W. side of 15-in. wild-cherry tree; copper nail and washer	977.80
Elkton, 1.5 mi. E., thence 1 mi. S. from, quarter cor. between secs. 30 and 31, T. 36 N., R. 22 W., 32 ft. S. and 13 ft. E. from T-rd. E., in concrete post; standard tablet stamped "1256 C W A 1935"	926.999
T-rd. S., 25 ft. S. and 10 ft. W. from, in root on N. side of twin black-oak tree; crossed nails	870.56
Elkton, 1 mi. S. and 3 mi. E. from, cor. secs. 28, 29, 32, and 33, T. 36 N., R. 22 W., 20 ft. N. and 50 ft. W. from crossroads, in root on W. side of 16-in. black-oak tree; copper nail and washer	902.75
Pittsburg, 3.5 mi. W. of, on NE. wing wall of E. approach to bridge over Pomme de Terre River; chiseled square	807.44
Pomme de Terre River, under bridge; surface of water at 2 p.m.	788.6
Pittsburg, 3 mi. W. of, cor. secs. 27, 28, 33, and 34, T. 36 N., R. 22 W., at T-rd. S., on E. end of concrete pipe culvert; chiseled square	859.07
Pittsburg, 2.5 mi. W. of, in SE 1/4 SW 1/4 sec. 27, T. 36 N., R. 22 W., 42 ft. N. and 21 ft. E. from NE. corner of dwelling of W. B. Lipe, 34 ft. S. of rd., 1 ft. W. of garden fence, in concrete post; standard tablet stamped "1257 C W A 1935"	939.666
T-rd. N., 15 ft. S. and 60 ft. E. from, in root on S. side of 16-in. black-oak tree; crossed nails	1,073.00
Pittsburg, 1.2 mi. W. of, E. sixteenth cor. between secs. 26 and 35, T. 36 N., R. 22 W., in root on W. side of 14-in. white-oak tree; copper nail and washer	932.68
Pittsburg, 25 ft. N. and 54 ft. W. from County Route D at E.-W. crossroad, 78 ft. S. and 13 ft. W. from SW. corner of dwelling of John E. Bernie, in concrete post; standard tablet stamped "1244 C W A 1934"	1,034.622
Crossroads, 180 ft. S. of, on E. end of steel pipe culvert; painted square	995.61
Pittsburg, 1.2 mi. N. of, quarter cor. between secs. 19 and 30, T. 36 N., R. 21 W., 45 ft. N. and 75 ft. E. from crossroads, in root on W. side of 15-in. elm tree; copper nail and washer	934.88
Pittsburg, 2.2 mi. N. of, on County Route D, 45 ft. S. and 30 ft. E. from junction of rd. W., in root on E. side of 4-in. cedar tree; copper nail and washer	871.36
Nemo, 1.2 mi. SW. of, along County Route D, on W. edge of truss plate of bridge over Lindley Creek, on top of northwesternmost pier; top of rivet	812.76
Junction of dim rd. SE., 15 ft. S. and 75 ft. W. from, on E. end of S. head wall of culvert; chiseled square	859.95
Nemo, E. sixteenth cor. between secs. 8 and 17, T. 36 N., R. 21 W., 35 ft. S. and 45 ft. E. from crossroads, 70 ft. N. of cemetery fence, in concrete post; standard tablet stamped "1245 C W A 1934"	988.630
Nemo, 0.6 mi. NW. of, along County Route K, 125 ft. S. and 50 ft. E. from junction of rd. S., in root on N. side of twin 6-in. white-oak tree; copper nail and washer	979.49
Nemo, 1.7 mi. NW. of, along County Route K, 25 ft. N. and 90 ft. W. from dim crossroad, in root on E. side of 15-in. white-oak tree; copper nail and washer	949.22
Junction of rd. SE., 150 ft. E. of, in root on E. side of 12-in. elm tree; crossed nails	959.94
Hermitage, 3 mi. SE. of, along County Route K, 35 ft. S. and 29 ft. W. from E.-W. crossroad, 65 ft. E. of NE. corner of Old Liberty Church, in concrete post; standard tablet stamped "1258 C W A 1935"	959.536
Hermitage, 2.5 mi. SE. of, along County Route K, 12 ft. S. and 30 ft. W. from crossroad, in root on E. side of 5-in. cedar tree; copper nail and washer	931.39
Junction of rd. W., 25 ft. S. and 40 ft. E. from, in root on W. side of 12-in. white-oak tree; crossed nails	867.57
Hermitage, at S. city limits of, on County Route K, at bridge over Pomme de Terre River, in SW. end of SE. approach; standard reference mark tablet (set by water-resources branch of U.S. Geol. Survey)	756.249
Pomme de Terre River under bridge; surface of water at 5 p.m. April 29, 1936	732.9

4. FROM NEMO EAST INTO URBANA QUADRANGLE AT SEC. 9, T. 36 N.,  
R. 21 W. (by G. R. Hamlin in 1936)

Nemo, 0.8 mi. E. of, W. sixteenth cor. between secs. 9 and 16, T. 36 N.,  
R. 21 W., 60 ft. N. and 30 ft. W. from T-rd. S., in root on W. side  
of 15-in. black-oak tree; copper nail and washer Feet  
1,007.48

(Continued in Urbana quadrangle; see line 8.)

5. FROM HUMANSVILLE QUADRANGLE AT SEC. 5, T. 35 N., R. 23 W., NORTH  
TO SEC. 5, T. 36 N., R. 23 W. (by C. W. Williams in 1936)  
(Continued from Humansville quadrangle; see line 5.)

T. 35 N., R. 23 W., near N. quarter cor. sec. 5, 15 ft. S. and 16 ft. W.  
from T-rd. S., on top of W. end of concrete culvert; chiseled square 1,121.20  
T. 36 N., R. 23 W., in sec. 32, 2 ft. S. and 315 ft. E. from T-rd. S.,  
in root on SW. side of 18-in. black-oak tree; copper nail and washer 1,098.86  
T. 36 N., R. 23 W., in sec. 29, 30 ft. N. and 26 ft. E. from T-rd. W.,  
in root on NW. side of 17-in. post-oak tree; copper nail and washer 1,065.39  
T-rd. E., 58 ft. S. and 25 ft. E. from T-rd. E., in root on W. side of  
24-in. black-oak tree; crossed nails 1,057.76  
Flemington, 4 mi. N. of, in NW 1/4 sec. 29, T. 36 N., R. 23 W., 16 ft. S.  
of rd. in line with W. face of Shady Grove School, in concrete post;  
standard tablet stamped "T 600 C W A 1934" 1,047.960  
T-rd. E., 15 ft. S. and 50 ft. E. from, in root on SE. side of 13-in.  
oak tree; crossed nails 1,037.32  
T. 36 N., R. 23 W., in W 1/2 sec. 20, 27 ft. N. and 43 ft. W. from T-rd.  
W., in root on E. side of 24-in. black-oak tree; copper nail and washer 999.82  
T-rd. S., 28 ft. S. and 22 ft. W. from, in root on E. side of 10-in.  
post-oak tree; crossed nails 932.87  
T. 36 N., R. 23 W., in sec. 20, on bridge over Big Weaubleau Creek, on  
top of S. end of E. railing; chiseled square 886.55  
T-rd. S., 11 ft. S. and 25 ft. E. from, on top at center of S. head wall  
of concrete culvert; chiseled square 928.77  
T. 36 N., R. 23 W., in sec. 17, 72 ft. N. and 27 ft. W. from T-rd. E.,  
in root on SE. side of 12-in. elm tree; copper nail and washer 1,025.94  
Weaubleau, 3 mi. E. of, in N 1/2 sec. 8, T. 36 N., R. 23 W., 25 ft. S.  
and 20 ft. E. from T-rd. S., in concrete post; standard tablet stamped  
"T T 560 C W A 1934" 921.837  
T-rd. N., 54 ft. N. and 19 ft. W. from, in root on NE. side of 12-in.  
locust tree; crossed nails 956.82  
T. 36 N., R. 23 W., in sec. 5, 11 ft. N. and 37 ft. W. from T-rd. W., in  
root on SE. side of 24-in. hickory tree; copper nail and washer 890.62

6. FROM HUMANSVILLE QUADRANGLE AT SEC. 20, T. 35 N., R. 23 W., EAST  
TO RONDO, THENCE SOUTHEAST INTO BOLIVAR QUADRANGLE AT SEC. 26,  
T. 35 N., R. 23 W. (by C. W. Williams in 1936)

Rondo, 2.2 mi. W. of, E. sixteenth cor. between secs. 20 and 29, T. 35 N.,  
R. 23 W., 22 ft. S. and 132 ft. E. from St. Louis-San Francisco Ry.  
at rd. crossing, in root on NE. side of 26-in. mulberry tree; copper  
nail and washer 1,093.89  
T-rd. S., 22 ft. N. of, in base of corner fence post; crossed nails 1,101.76  
T-rd. N., 12 ft. S. and 15 ft. E. from, on top of SE. end of wing wall  
of concrete culvert; chiseled square 1,051.71  
Rondo, 1 mi. W. of, cor. secs. 21, 22, 27, and 28, T. 35 N., R. 23 W.,  
28 ft. S. and 10 ft. E. from rd. at fence N., 28 ft. S. and 28 ft.  
E. from T-rd. S., in root on NE. side of 14-in. maple tree; copper  
nail and washer 1,064.61  
Rondo, on State Highway 83, 400 ft. W. of store, 40 ft. N. and 30 ft. E.  
from E.-W. crossroad, in concrete post; standard tablet stamped "158  
C W A 1934" 1,071.474  
Reference mark, 29 ft. S. and 8 ft. E. from tablet, in root on N. side of  
14-in. cottonwood tree; copper nail and washer 1,070.22  
Rd. forks, 28 ft. N. of, in root on W. side of 12-in. black-jack-oak tree;  
crossed nails 1,019.68  
Rondo, 1 mi. SE. of, near center sec. 26, T. 35 N., R. 23 W., 45 ft. S.  
and 25 ft. E. from rd. forks, in root on NW. side of 30-in. water-oak  
tree; copper nail and washer 949.76  
Rd. forks, 40 ft. E. of, in root on E. side of 16-in. water-oak tree;  
crossed nails 890.05

(Continued in Bolivar quadrangle; see line 3.)

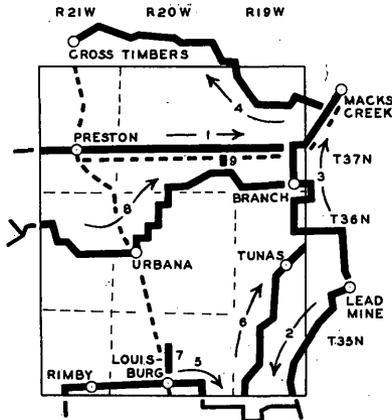
7. FROM BOLIVAR QUADRANGLE NORTH ALONG COUNTY ROUTE D TO PITTSBURG  
(by C. W. Williams in 1936)  
(Continued from Bolivar quadrangle; see line 5.)

Mohawk, 0.2 mi. S. of, 65 ft. N. and 30 ft. W. from highway at fence W.,  
50 ft. S. and 98 ft. W. from SW. corner of farmhouse, in root on NE.  
side of twin post-oak tree; copper nail and washer 1,021.17  
Crossroad, 20 ft. N. and 30 ft. W. from, in E. side of corner fence post;  
crossed nails 1,036.85  
Mohawk, 0.2 mi. N. of, 139 ft. S. and 47 ft. E. from junction of rd. E.,  
in root on NW. side of 18-in. maple tree; copper nail and washer 1,039.17  
Sentinel, 1.2 mi. S. and 0.5 mi. W. from, 27 ft. N. and 45 ft. E. from  
NE. corner of dwelling of Fred Roberts, 31 ft. W. of rd., in concrete  
post; standard tablet stamped "1242 C W A 1934" 1,043.223

	Feet
Crossroad, 25 ft. S. and 32 ft. E. from, in SE. side of corner fence post; crossed nails	1,042.30
Rd. junction, 65 ft. W. of, in SE. side of transmission-line pole C-167; crossed nails	1,041.32
Sentinel, about 0.5 mi. W. of, 18 ft. N. and 153 ft. W. from crossroad, in root on NW. side of 24-in. mulberry tree; copper nail and washer	1,010.31
Sentinel, about 0.7 mi. N. of, near Hickory-Polk county line, 25 ft. S. and 42 ft. E. from junction of rd. W., 12 ft. N. and 35 ft. E. from junction of rd. SE., in root on E. side of 11-in. walnut tree; copper nail and washer	1,030.98
Sentinel, 1.2 mi. N. and 0.2 mi. W. from, 2 ft. S. and 29 ft. W. from highway at fence W., in concrete post; standard tablet stamped "1243 C W A 1934"	1,026.600
T-rd. W., 12 ft. S. and 28 ft. W. from, in root on W. side of 12-in. elm tree; crossed nails	1,048.64

URBANA QUADRANGLE  
(Latitude 37°45'-38°00'; longitude 93°00'-93°15')

Camden, Dallas, Hickory, and Polk Counties



1. FROM HERMITAGE QUADRANGLE EAST ALONG U.S. HIGHWAY 54 INTO MACKS CREEK QUADRANGLE (second-order line by H. P. Jones in 1934) (Continued from Hermitage quadrangle; see line 1.)

Preston, 1 mi. W. of, 30 ft. S. and 15 ft. E. from crossroad, in root on N. side of 20-in. black-oak tree; copper nail and washer	1,035.42
Preston, 0.3 mi. W. of, on S. head wall of concrete culvert; chiseled square	985.33
Preston, 0.5 mi. E. of, 235 ft. S. and 44 ft. E. from junction of U.S. Highway 65, about 40 ft. S. of E. head wall of concrete culvert, in concrete post; standard tablet stamped "15 J 1934 1047"	1,045.547
Reference mark, 35 ft. NW. of tablet, on E. head wall of concrete culvert; chiseled square	1,048.35
Preston, 1.1 mi. E. of, 0.6 mi. E. of junction of U.S. Highway 65, at W. end of concrete bridge, on top of S. guardrail; chiseled square	995.68
Preston, 2.1 mi. E. of, 25 ft. S. and 45 ft. W. from junction of farm entrance S., on S. head wall of concrete culvert; chiseled square	1,015.52
Preston, 2.9 mi. E. of, 235 ft. W. of junction of rd. S., 120 ft. W. of junction of rd. N., on S. head wall of concrete culvert; chiseled square	1,063.05
Preston, 3.5 mi. E. of, 121 ft. N. and 25 ft. E. from NE. corner of Morgan School, 42 ft. S. of highway, in concrete post; standard tablet stamped "16 J 1934 1112"	1,111.139
Reference mark, 120 ft. N. of NW. corner of Morgan School, in N. side of 12-in. black-oak tree; copper nail and washer	1,109.08
Preston, 4.2 mi. E. of, 0.7 mi. E. of Morgan School, 35 ft. S. and 15 ft. W. from crossroad, in root on NW. side of 24-in. black-oak tree; copper nail and washer	1,021.71
Preston, 5.1 mi. E. of, 320 ft. W. of junction of rd. N., on S. head wall of concrete culvert; chiseled square	930.62
Preston, 6.2 mi. E. of, 38 ft. N. and 27 ft. E. from junction of rd. S., in limestone post; standard tablet stamped "17 J 1934 975"	974.329
Preston, 7.2 mi. E. of, 0.8 mi. W. of Camden-Hickory county line, 725 ft. W. of crossroad, 70 ft. W. of junction of rd. S., on S. head wall of concrete culvert; chiseled square	970.72
Preston, 8.2 mi. E. of, 0.2 mi. E. of Camden-Hickory county line, at bridge over Little Niangua River, in S. end of W. concrete abutment; standard tablet stamped "18 J 1934 831"	829.749
Preston, 9.1 mi. E. of, 0.9 mi. E. of bridge over Little Niangua River, on S. head wall of concrete culvert; chiseled square	959.76

	<u>Feet</u>
Preston, 10 mi. E. of, 1.8 mi. E. of bridge over Little Niangua River, 35 ft. N. and 90 ft. W. from crossroad, in root on SE. side of 24-in. post-oak tree; copper nail and washer	1,060.49
Preston, 11.1 mi. E. of, 0.8 mi. W. of junction of State Highway 73, 33 ft. N. and 115 ft. W. from crossroad, on N. head wall of concrete culvert; standard tablet stamped "19 J 1934 1011"	1,009.844
Preston, 11.8 mi. E. of, 775 ft. SW. of E. junction of State Highway 73, 425 ft. NE. of W. junction, on S. head wall of concrete culvert; chiseled square	1,059.38

2. FROM LEAD MINE SOUTHWEST INTO BUFFALO QUADRANGLE AT SEC. 22, T. 35 N., R. 19 W., INCLUDING THAT PART OF THE LINE IN MACKS CREEK QUADRANGLE (by George W. Moore in 1931)\*

Lead Mine, 45 ft. N. and 30 ft. E. from T-rd. E., in root on S. side of blazed 15-in. oak tree; copper nail and washer	1,090.20
Lead Mine, 0.5 mi. S. of, in SW 1/4 sec. 30, T. 36 N., R. 18 W., 25 ft. N. and 65 ft. E. from T-rd. N., in root on SW. side of 8-in. oak tree; copper nail and washer	1,048.54
Lead Mine, about 0.8 mi. SW. of, S. sixteenth cor. between secs. 25 and 30, T. 36 N., Rs. 18 and 19 W., SW. of T-rd. S., on E. end of S. head wall of concrete culvert; painted square	1,033.90
Lead Mine, about 1.2 mi. SW. of, N. sixteenth cor. between secs. 31 and 36, T. 36 N., Rs. 18 and 19 W., 22 ft. N. and 38 ft. W. from T-rd. W., in concrete post; standard tablet stamped "106 M 1931"	1,024.663
Reference mark, 24 ft. S. and 22 ft. E. from tablet, on S. head wall of concrete culvert; chiseled square	1,024.96
Lead Mine, about 2 mi. SW. of, in NW 1/4 sec. 36, T. 36 N., R. 19 W., 7 ft. N. and 3 1/2 ft. E. from rd. corner E.-S., 24 ft. S. and 3 1/2 ft. E. from fence corner, in root on N. side of 6-in. oak tree; copper nail and washer	980.55
Lead Mine, about 3 mi. SW. of, 70 ft. S. and 7 ft. W. from S. cor. secs. 35 and 36, T. 36 N., R. 19 W., 70 ft. S. and 30 ft. E. from N. cor. secs. 1 and 2, T. 35 N., R. 19 W., 610 ft. N. of T-rd. E., in root on SE. side of 20-in. oak tree; copper nail and washer	1,007.83
Lead Mine, about 4.1 mi. SW. of, near center sec. 2, T. 35 N., R. 19 W., 60 ft. S. and 19 ft. W. from crossroads, in NE. corner of yard of Hickory Hill School, in concrete post; standard tablet stamped "107 M 1931"	1,073.822
Reference mark, 90 ft. N. and 16 ft. E. from tablet, in SW. corner of yard of R. W. Smith, in root on NE. side of 23-in. walnut tree; copper nail and washer	1,072.80
Lead Mine, 5.2 mi. SW. of, in NW 1/4 sec. 11, T. 35 N., R. 19 W., 30 ft. S. and 74 ft. E. from rd. corner E.-S., in NW. corner of yard of R. F. Alford, in root on NE. side of 10-in. hickory tree; copper nail and washer	1,076.71
T. 35 N., R. 19 W., near center of NW 1/4 sec. 13, 55 ft. N. and 11 ft. E. from fence corner, 31 ft. E. of rd., in root on NE. side of 7-in. oak tree; copper nail and washer	1,119.34
T. 35 N., R. 19 W., near center of SE 1/4 sec. 15, 40 ft. S. of ford across Maulin Branch, 7 ft. S. of bank, 8 ft. E. of fence corner, in root on W. side of 20-in. elm tree; copper nail and washer	1,059.23
T. 35 N., R. 19 W., in SW 1/4 sec. 15, 17 ft. S. and 105 ft. W. from T-rd. S., 2 ft. N. of fence, in concrete post; standard tablet stamped "108 M 1931"	1,104.793
Reference mark, 35 ft. W. of tablet, in root on N. side of 18-in. oak tree; copper nail and washer	1,106.33
T. 35 N., R. 19 W., 365 ft. S. of S. sixteenth cor. sec. 22, opposite dwelling of Ed Johnson, 20 ft. E. of rd., in root on W. side of 10-in. oak tree; copper nail and washer	1,191.00

(Continued in Buffalo quadrangle; see line 1.)

3. FROM LEAD MINE NORTHWEST TO SEC. 10, T. 36 N., R. 19 W., THENCE NORTH ALONG STATE HIGHWAY 73 TO U.S. HIGHWAY 54, THENCE NORTH-EAST ALONG U.S. HIGHWAY 54 TO MACKS CREEK, INCLUDING THAT PART OF THE LINE IN MACKS CREEK QUADRANGLE (by George W. Moore in 1931)\*\*

Lead Mine, 0.8 mi. N. of, near center of NW 1/4 sec. 19, T. 36 N., R. 18 W., 60 ft. N. of rd. corner S.-W., 70 ft. N. of T-fence E., in root on N. side of 28-in. oak tree; copper nail and washer	1,106.77
Lead Mine, 1 mi. N. and 0.2 mi. W. from blacksmith shop, W. cor. secs. 18 and 19, T. 36 N., R. 18 W., 15 ft. W. of rd. at fence E., 92 ft. S. and 15 ft. W. from rd. at fence W., 2 ft. W. of fence, in concrete post; standard tablet stamped "T T Sta 6 W 1931"	1,088.849
Reference mark, 5 ft. N. and 35 ft. E. from tablet, in root on W. side of 17-in. water-oak tree; copper nail and washer	1,089.74
Lead Mine, about 1.8 mi. N. and 0.3 mi. W. from blacksmith shop, in NE 1/4 sec. 13, T. 36 N., R. 19 W., 45 ft. S. and 20 ft. E. from rd. fork S., 45 ft. E. of twin oak tree, in triangle of rd. forks, in root on S. side of 12-in. oak tree; copper nail and washer	1,104.50
Lead Mine, about 2 mi. N. and 1.2 mi. W. from blacksmith shop, near cor. secs. 11, 12, 13, and 14, T. 36 N., R. 19 W., 25 ft. N. and 30 ft. E. from crossroads, in root on S. side of 14-in. hickory tree; copper nail and washer	1,089.85
Lead Mine, 2 mi. N. and 2.5 mi. W. from, 350 ft. S. of cor. secs. 10, 11, 14, and 15, T. 36 N., R. 19 W., at T-rd. N., 50 ft. N. and 15 ft. E. from old stump used as fence corner, in concrete post; standard tablet stamped "T T Sta 7 W 1931"	983.062

\*Line 2 of Macks Creek quadrangle includes a portion of this line (see Bull. 898-B, p. 260).

\*\*Line 1 of Macks Creek quadrangle includes a portion of this line (see Bull. 898-B, pp. 259-260).

	Feet
Reference mark, 60 ft. N. and 60 ft. E. from tablet, at S. gatepost of private rd., in root on W. side of 14-in. hickory tree; copper nail and washer	987.43
T. 36 N., R. 19 W., quarter cor. between secs. 10 and 11, NW. of T-rd. W., at corner fence post, in root on SE. side of 20-in. oak tree; copper nail and washer	1,047.44
Branch, 2.2 mi. S. of, cor. secs. 2, 3, 10, and 11, T. 36 N., R. 19 W., 55 ft. S. and 35 ft. W. from crossroad, in fence line, in root on E. side of 17-in. oak tree; copper nail and washer	1,118.21
Branch, 1.2 mi. SE. of, about 0.1 mi. S. of N. cor. secs. 2 and 3, T. 36 N., R. 19 W., 677 ft. S. of Camden-Dallas county line, on E. head wall of concrete culvert; chiseled square	1,125.46
Branch triangulation sta.; U.S.C. & G.S. standard disk stamped "Branch 1928"	1,137.557 1,136.653
Reference mark 2; U.S.C. & G.S. standard reference disk	
Branch, 20 ft. S. and 40 ft. W. from crossroad, 9 ft. E. of NE. corner of store of E. E. McClaughan, on SE. corner of concrete platform of gasoline pump; chiseled square	1,105.86
Branch, 0.2 mi. N. of, 30 ft. S. and 30 ft. E. from crossroad, in root on NE. side of 12-in. oak tree; copper nail and washer	1,095.12
Branch, 1.3 mi. N. of, 75 ft. S. and 30 ft. W. from junction of rd. W., on concrete right-of-way post; chiseled square	1,072.59
Branch, 2.3 mi. N. of, 35 ft. E. of highway, at S. edge of private rd. SE., in root on NW. side of 15-in. oak tree; copper nail and washer	1,057.78
Branch, 3 mi. NE. of, 2 mi. SW. of Macks Creek, 43 ft. W. of highway, 11 ft. S. of private rd. W., 46 ft. E. of triangular-blazed 18-in. oak tree; in concrete post; standard tablet stamped "T Sta 8 W 1931"	1,061.540
Reference mark, 4 ft. W. of tablet, in root on NE. side of 18-in. oak tree; copper nail and washer	1,061.15
Macks Creek, 1.4 mi. SW. of, 95 ft. N. and 33 ft. E. from junction of rd. E., in root on W. side of 10-in. oak tree; copper nail and washer	1,036.64
Macks Creek, 0.7 mi. SW. of, 80 ft. S. and 30 ft. W. from junction of rd. W. to cemetery, in root on E. side of 18-in. oak tree; copper nail and washer	1,018.69
Macks Creek, on top of N. parapet wall of W. abutment of concrete bridge; chiseled square	875.42
4. FROM MACKS CREEK WEST ALONG HICKORY GROVE ROAD TO SEC. 7, T. 37 N., R. 19 W., THENCE NORTH TO TURNERS FORD, THENCE WEST ALONG JORDAN ROAD TO CROSS TIMBERS, INCLUDING THAT PART OF THE LINE IN MACKS CREEK AND CROSS TIMBERS QUADRANGLES (by C. P. Thompson in 1934)*	
Macks Creek, 1.4 mi. W. of, near center sec. 11, T. 37 N., R. 19 W., 125 ft. SW. of dwelling of W. D. Varner, 20 ft. W. of rd., 10 ft. E. of fence corner, in root on SE. side of 20-in. post-oak tree; copper nail and washer	1,008.17
Macks Creek, 2.3 mi. W. of, 138 ft. S. and 14 ft. W. from cor. secs. 2, 3, 10, and 11, T. 37 N., R. 19 W., 33 ft. SW. of T-rd., 20 ft. W. of N.-S. rd., 233 ft. SW. of dwelling of J. T. Guest, 2 ft. S. and 2 ft. W. from fence corner, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "511 C W A 1934"	872.422
Reference mark, 80 ft. W. of tablet, in root on N. side of 12-in. elm tree; copper nail and washer	870.84
Macks Creek, 3.6 mi. W. of, near quarter cor. between secs. 9 and 10, T. 37 N., R. 19 W., 15 ft. E. of rd., in fence line, in root on S. side of 14-in. walnut tree; copper nail and washer	812.98
Macks Creek, 4 mi. W. of, E. sixteenth cor. sec. 9, T. 37 N., R. 19 W., 130 ft. S. of dwelling of J. B. Bash, 35 ft. S. of rd., 20 ft. E. of garage, in root on NE. side of 16-in. oak tree; copper nail and washer	916.49
Macks Creek, 5 mi. W. of, near quarter cor. between secs. 8 and 9, T. 37 N., R. 19 W., 70 ft. SW. of SW. corner of Hickory Grove School, in root on NW. side of 20-in. white-oak tree; copper nail and washer	991.14
Macks Creek, 6 mi. W. of, 340 ft. N. and 30 ft. E. from S. sixteenth cor. between secs. 7 and 8, T. 37 N., R. 19 W., 60 ft. NW. of crossroads, 33 ft. N. of rd. W., 460 ft. NW. of dwelling of James Andrews, 3 ft. S. and 13 ft. W. from fence corner on land owned by heirs of Frank Pope, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "512 C W A 1934"	1,039.810
Reference mark, 90 ft. NE. of tablet, in root on W. side of 22-in. white-oak tree; copper nail and washer	1,039.58
Macks Creek, 6.7 mi. W. of, in NE 1/4 sec. 7, T. 37 N., R. 19 W., 84 ft. N. of rd. forks, 21 ft. W. of rd. NE., 15 ft. E. of rd. NW., in root on E. side of 12-in. white-oak tree; copper nail and washer	1,043.87
Macks Creek, 7.6 mi. W. of, in SW 1/4 sec. 6, T. 37 N., R. 19 W., 24 ft. E. of crossroads, in root on SW. side of 16-in. hickory tree; copper nail and washer	999.34
Macks Creek, 8.4 mi. W. of, 10 ft. N. and 10 ft. E. from W. sixteenth cor. on S. line sec. 31, T. 38 N., R. 19 W., 10 ft. E. of rd. N., 10 ft. N. of rd. E., in root on E. side of 24-in. oak tree; copper nail and washer	957.34
Macks Creek, 8.9 mi. W. of, about 750 ft. S. of quarter cor. between secs. 31 and 36, T. 38 N., R. 19 W., 2.5 mi. SE. of Turners ford, on Camden-Hickory county line, 12 ft. S. of rd.; near 3 mail boxes, in root on N. side of 24-in. white-oak tree; copper nail and washer	975.73
Macks Creek, 9.7 mi. W. of, near W. sixteenth cor. sec. 36, T. 38 N., R. 20 W., 1.8 mi. SE. of Turners ford, 10 ft. NE. of crossroads; on limestone ledge; chiseled square	822.30

\*Line 5 of Macks Creek quadrangle includes a portion of this line (see Bull. 898-B, p. 261). Remainder of line in Cross Timbers quadrangle (see Bull. 898-G, pp. 987-988).

	<u>Feet</u>
Cross Timbers, 10.2 mi. E. of, 1.2 mi. SE. of Turners ford, 104 ft. N. and 13 ft. E. from stone at center of NW 1/4 sec. 36, T. 38 N., R. 20 W., on top of hill, on land owned by D. F. Phillips, 15 ft. E. of rd., 1 ft. W. of N.-S. fence, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "513 C W A 1934"	926.160
Reference mark, 25 ft. NE. of tablet, in root on W. side of 6-in. white-oak tree; copper nail and washer	926.83
Cross Timbers, 9.6 mi. E. of, 40 ft. W. of cor. secs. 25, 26, 35, and 36, T. 38 N., R. 20 W., 0.6 mi. SE. of Turners ford, at top of hill, on land owned by D. E. Phillips, 45 ft. SW. of rd. corner, in root on N. side of 24-in. white-oak tree; copper nail and washer	881.56
Cross Timbers, 9 mi. E. of, in NW 1/4 sec. 25, T. 38 N., R. 20 W., 290 ft. SE. of Turners ford, on land owned by G. W. Pennell, 21 ft. N. of rd., 3 ft. N. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "19 J 1934"	761.908
Reference mark, 35 ft. W. of tablet, in fence line, in trunk of 10-in. sycamore tree; copper nail and washer	764.55
Cross Timbers, 7.4 mi. E. of, 10 ft. W. of N. sixteenth cor. between secs. 26 and 27, T. 38 N., R. 20 W., 20 ft. S. of rd., 30 ft. S. and 10 ft. W. from fence corner, in root on N. side of 20-in. white-oak tree; copper nail and washer	934.09
Cross Timbers, 6.9 mi. E. of, in NW 1/4 sec. 27, T. 38 N., R. 20 W., 90 ft. E. of rd. junction, 12 ft. S. of rd., in root on N. side of 24-in. black-oak tree; copper nail and washer	937.40
Cross Timbers, 6.8 mi. E. of, near center of NW 1/4 sec. 27, T. 38 N., R. 20 W., on land owned by John Olson, 21 ft. S. of rd., 18 ft. N. of fence corner, 4 ft. NW. of blazed 10-in. post-oak tree, in concrete post; U.S.C. & G.S. and State Survey standard tablet stamped "514 C W A 1934"	935.804
Reference mark, 6 ft. SE. of tablet, in root on S. side of 12-in. oak tree; copper nail and washer	935.57
Cross Timbers, 6.4 mi. E. of, in NE 1/4 sec. 28, T. 38 N., R. 20 W., on land owned by John Olson, 45 ft. SE. of junction of rd. N., 15 ft. S. of rd., in hollow, in root on N. side of twin 8-in. elm tree; copper nail and washer	868.18
Cross Timbers, 5.6 mi. E. of, 0.3 mi. E. of Jordan, 35 ft. N. of W. sixteenth cor. between secs. 21 and 28, T. 38 N., R. 20 W., 25 ft. S. of E.-W. rd., 8 ft. W. of N.-S. private rd., in root on N. side of 14-in. oak tree; copper nail and washer	938.97
Cross Timbers, about 5.1 mi. E. of, 0.2 mi. NW. of Jordan, in SE 1/4 sec. 20, T. 38 N., R. 20 W., 56 ft. NW. of NW. corner of Jordan School, 36 ft. NW. of rd., at spring, in natural limestone boulder; standard tablet stamped "18 J 1934"	851.996
Reference mark, 80 ft. SW. of tablet, at fence corner, in root on S. side of 20-in. elm tree; copper nail and washer	842.26
Cross Timbers, 4.2 mi. E. of, in sec. 20, T. 38 N., R. 20 W., 12 ft. S. and 10 ft. W. from junction of rd. N., in fence corner, in root on E. side of 12-in. oak tree; copper nail and washer	981.78
Cross Timbers, 3.5 mi. E. of, about 1,000 ft. N. of quarter cor. between secs. 19 and 30, T. 38 N., R. 20 W., 350 ft. E. of dwelling of Louis Miller, 15 ft. S. of rd., in root on S. side of 22-in. red-oak tree; copper nail and washer	1,044.99
Cross Timbers, 3 mi. E. of, about 1,000 ft. N. of SW. cor. sec. 19, T. 38 N., R. 20 W., 20 ft. N. of rd., in root on S. side of 10-in. post-oak tree; copper nail and washer	1,003.38
Cross Timbers, 1.8 mi. E. of, near S. sixteenth cor. between secs. 23 and 24, T. 38 N., R. 21 W., 20 ft. N. of rd., 22 ft. E. of hedge fence, 3 ft. N. of fence, in concrete post; standard tablet stamped "17 J 1934"	1,039.814
Cross Timbers, 0.8 mi. E. of, S. sixteenth cor. between secs. 22 and 23, T. 38 N., R. 21 W., 20 ft. N. of crossroad, 10 ft. E. of N.-S. rd., on head wall of concrete culvert; chiseled square	1,012.94
Cross Timbers, 30 ft. S. of E.-W. rd., 30 ft. E. of street, 12 ft. W. of NW. corner of Methodist Church, on concrete porch; chiseled square	1,032.99
Cross Timbers, in front of school gymnasium, 70 ft. S. and 170 ft. E. from street intersection, 15 ft. S. of small barn, in 36-in. silver-maple tree; nail and washer	1,016.67
U.S.C. & G.S. standard disk stamped "J 15 1934"	1,029.332
Cross Timbers, 0.2 mi. S. of, in NW 1/4 sec. 27, T. 38 N., R. 21 W., between old and new U.S. Highway 65, on side of small ravine, in 10-in. cedar tree; nail	1,017.10

5. FROM BUFFALO QUADRANGLE AT SEC. 27, T. 35 N., R. 21 W., EAST BY WAY OF RIMBY TO LOUISBURG, THENCE EAST ALONG COUNTY ROUTE N INTO BUFFALO QUADRANGLE (by C. W. Williams in 1936)  
(Continued from Buffalo quadrangle; see line 8.)

Rd. corner from E.-N., 33 ft. N. and 38 ft. W. from, in root on S. side of 11-in. post-oak tree; crossed nails	1,016.56
Rimby, 222 ft. S. of SE. corner of store, 4 ft. S. of SE. corner of old mill building, 2 ft. W. of fence, in concrete post; standard tablet stamped "1230 C W A 1934"	1,062.735
Reference mark, 13 ft. N. and 39 ft. E. from tablet, in root on SE. side of 24-in. black-oak tree; copper nail and washer	1,063.46
Crossroads, 65 ft. N. and 20 ft. W. from, in root on W. side of 20-in. post-oak tree; crossed nails	1,068.96
Rimby, about 1.2 mi. E. of, quarter cor. between secs. 23 and 26, T. 35 N., R. 21 W., 55 ft. S. of T-rd. N., in root on NE. side of 18-in. black-oak tree; copper nail and washer	1,065.45

	Feet
T-rd. S., 28 ft. N. and 135 ft. W. from, in root on S. side of 16-in. black-oak tree; crossed nails	1,077.82
Louisburg, 3 mi. W. of, W. cor. secs. 19 and 30, T. 35 N., R. 20 W., 11 ft. N. and 35 ft. E. from T-rd. E., on Dallas-Polk county line, in concrete post; standard tablet stamped "1231 C W A 1934"	1,115.222
Louisburg, about 2.2 mi. W. of, E. sixteenth cor. between secs. 19 and 30, T. 35 N., R. 20 W., 29 ft. S. and 31 ft. W. from T-rd. S., in root on NW. side of 14-in. black-oak tree; copper nail and washer	1,136.37
Louisburg, 1.2 mi. W. of, E. sixteenth cor. between secs. 20 and 29, T. 35 N., R. 20 W., 15 ft. N. and 6 ft. E. from T-rd. N., in root on S. side of 6-in. sycamore tree; crossed nails	1,132.13
Louisburg, 0.8 mi. W. of, cor. secs. 20, 21, 28, and 29, T. 35 N., R. 20 W., 68 ft. S. and 18 ft. E. from T-rd. S., in root on E. side of 14-in. sycamore tree; nail and washer	1,153.37
Louisburg, at E. limits of, 58 ft. N. and 130 ft. W. from junction of U.S. Highway 65, in concrete post; standard tablet stamped "1232 C W A 1934"	1,169.483
Reference mark, 23 ft. S. and 87 ft. E. from junction, in root of 20-in. walnut tree; copper nail and washer	1,167.52
Louisburg, 0.7 mi. E. of, 80 ft. S. and 40 ft. E. from junction of rd. N., in root on N. side of 14-in. hickory tree; crossed nails	1,115.61
Louisburg, 1.2 mi. E. of, at bottom of small, steep hill, 18 ft. S. and 7 ft. E. from highway at fences N. and S., on S. head wall of concrete culvert; chiseled square	1,090.34
Junction of rd. S., 30 ft. S. and 15 ft. E. from, in side of corner fence post; crossed nails	1,123.18
Louisburg, about 2.2 mi. E. of, 185 ft. S. and 90 ft. W. from corner of highway W.-S. and rd. N., 45 ft. E. of highway, near S. end of triangle formed by rds., in root on SW. side of 18-in. white-oak tree; copper nail and washer	1,149.88

(Continued in Buffalo quadrangle; see line 9.)

6. FROM BUFFALO QUADRANGLE AT SEC. 30, T. 35 N., R. 19 W., NORTHEAST ALONG STATE HIGHWAY 73 TO SEC. 14, T. 36 N., R. 19 W. (by G. W. Williams in 1936)

Tunas, about 7 mi. SW. of, S. sixteenth cor. sec. 19, T. 35 N., R. 19 W., 13 ft. S. and 24 ft. W. from E.-W. crossroad, 10 ft. S. and 18 ft. E. from iron pin in center of rd. W., on head wall of culvert; chiseled square	1,182.94
Tunas, about 6 mi. SW. of, in SE 1/4 sec. 18, T. 35 N., R. 19 W., 27 ft. N. and 77 ft. W. from E.-W. crossroad, in root on E. side of 16-in. hickory tree; copper nail and washer	1,128.49
Tunas, about 5.3 mi. SW. of, near center of NW 1/4 sec. 17, T. 35 N., R. 19 W., near junction of rd. S., 81 ft. S. and 44 ft. E. from rd. S. at fence W., in root on SW. side of 18-in. black-jack-oak tree; copper nail and washer	1,086.68
Tunas, about 4.6 mi. SW. of, 23 ft. S. and 17 ft. W. from junction of rd. E., on W. head wall of culvert; chiseled square	1,101.86
Tunas, about 4.3 mi. SW. of, center of NW 1/4 sec. 8, T. 35 N., R. 19 W., 10 ft. N. and 59 ft. W. from highway at fence E., 42 ft. N. and 38 ft. E. from NE. corner of farmhouse of Chas. F. Johnson, in concrete post; standard tablet stamped "1235 C W A 1935" (as reset in 1938)	1,143.746
Tunas, about 3.9 mi. SW. of, 75 ft. N. and 45 ft. W. from crossroad, in root on NE. side of 12-in. post-oak tree; crossed nails	1,143.03
Tunas, about 3 mi. SW. of, 32 ft. N. and 53 ft. E. from N.-S. crossroad, in root on N. side of 24-in. black-oak tree; copper nail and washer	1,139.46
Tunas, about 2.6 mi. SW. of, 30 ft. S. and 49 ft. E. from junction of rd. E., in root on W. side of 14-in. post-oak tree; copper nail and washer	1,094.28
Tunas, about 1.3 mi. SW. of, 20 ft. N. and 54 ft. W. from junction of rd. E., in root on SE. side of twin maple tree; copper nail and washer	1,044.40
Tunas, about 0.7 mi. SW. of, 12 ft. S. and 48 ft. W. from junction of rd. W., in line with rd. W., in root on S. side of 10-in. post-oak tree; crossed nails	1,018.72
Tunas, 0.2 mi. SW. of, at bridge over Tunas Creek, on SW. wing wall; chiseled square	916.47
Tunas, 132 ft. N. and 48 ft. W. from junction of County Route E, in concrete post; standard tablet stamped "1236 C W A 1934"	924.698
Reference mark, in front of general store of B. W. Stidman & Sons, on SW. corner of concrete porch; chiseled square	923.77
Tunas, NE. of, at SE. corner of bridge over Little Niangua River, on ledge at base of railing; chiseled square	902.32
Tunas, 1.1 mi. NE. of, at S. corner of bridge over Courtney Creek, on top of railing post; chiseled square	938.58
Rd. junction at Courtney Spring, 12 ft. N. and 46 ft. E. from, in root on W. side of 30-in. elm tree; crossed nails	968.99

7. FROM LOUISEBURG NORTH ALONG U.S. HIGHWAY 65 1.9 MILES (levelled twice by G. W. Williams in 1936)

Louisburg, 0.7 mi. N. of, on NE. head wall of concrete culvert; chiseled square	1,150.60
Louisburg, about 1.3 mi. N. of, 46 ft. S. and 43 ft. W. from crossroad, in root on W. side of 16-in. post-oak tree; copper nail and washer	1,153.27
U.S.C. & G.S. standard disk stamped "K 110 1935"	1,146.858

	<u>Feet</u>
8. FROM HERMITAGE QUADRANGLE AT SEC. 4, T. 36 N., R. 21 W., EAST TO URBANA, THENCE NORTHEAST TO BRANCH (by G. R. Hamlin in 1936)	
(Continued from Hermitage quadrangle; see line 4.)	
Rd. corner at dim rd. S., 20 ft. S. and 70 ft. E. from, in root on W. side of 12-in. black-oak tree; crossed nails	1,035.85
Urbana, 1 mi. N. and 3.5 mi. W. from, near quarter cor. between secs. 15 and 22, T. 36 N., R. 21 W., 97 ft. N. and 107 ft. E. from NE. corner of dwelling of Frank Parks, 23 ft. S. of rd., 27 ft. E. of picket fence, in concrete post; standard tablet stamped "1246 C W A 1934"	1,033.822
Urbana, 1 mi. N. and about 3 mi. W. from, cor. secs. 14, 15, 22, and 23, T. 36 N., R. 21 W., 20 ft. N. and 25 ft. E. from T-rd. N., in root on S. side of 14-in. white-oak tree; copper nail and washer	1,056.14
Urbana, about 1.8 mi. NW. of, in NW 1/4 sec. 24, T. 36 N., R. 21 W., 40 ft. S. and 25 ft. E. from rd. forks, in root on N. side of 12-in. black-oak tree; copper nail and washer	1,130.85
Urbana, 1 mi. NW. of, along U.S. Highway 65, 33 ft. S. and 40 ft. W. from junction of rd. W., in concrete post; standard tablet stamped "1247 C W A 1934"	1,031.889 1,074.552
U.S.C. & G.S. standard disk stamped "N 110 1935"	
Urbana, about 1.5 mi. N. of, quarter cor. between secs. 17 and 18, T. 36 N., R. 20 W., 50 ft. S. and 130 ft. E. from T-rd. N., in root on E. side of 10-in. maple tree; copper nail and washer	1,057.27
Urbana, 1 mi. N. of, 350 ft. E. of cor. secs. 17, 18, 19, and 20, T. 36 N., R. 20 W., 17 ft. E. of rd. corner from W.-N., 2 ft. N. and 3 ft. W. from fence corner, in concrete post; standard tablet stamped "1248 C W A 1934"	990.533
T. 36 N., R. 20 W., center sec. 17, 30 ft. N. and 45 ft. W. from T-rd. N., in root on S. side of 14-in. black-locust tree; copper nail and washer	1,013.94
Steel bridge over small stream, on top of concrete head wall, on E. end of steel channel iron; painted square	951.69
T. 36 N., R. 20 W., center sec. 8, 3 ft. N. and 30 ft. W. from rd. corner S.-E., in root on E. side of 36-in. black-oak tree; copper nail and washer	1,004.13 939.29
Concrete culvert, on N. end of W. head wall; chiseled square	
T. 36 N., R. 20 W., quarter cor. between secs. 4 and 5, at crossroads, on N. end of E. head wall of concrete culvert; chiseled square	905.62
T. 36 N., R. 20 W., near N. quarter cor. sec. 4, on Dallas-Hickory county line, 23 ft. S. and 100 ft. E. from rd. at fence N., 15 ft. E. of rd. S., in concrete post; standard tablet stamped "1249 C W A 1934"	1,025.062
T. 36 N., R. 20 W., E. sixteenth cor. on N. line sec. 3, on Dallas-Hickory county line, 5 ft. N. and 15 ft. W. from rd. corner W.-N., in root on N. side of 15-in. white-oak tree; copper nail and washer	900.49
T. 37 N., R. 20 W., quarter cor. between secs. 34 and 35, 35 ft. S. and 65 ft. W. from T-rd. SE., in root on N. side of 14-in. black-oak tree; copper nail and washer	998.33
T. 37 N., R. 20 W., quarter cor. between secs. 26 and 35, 12 ft. N. and 20 ft. W. from T-rd. E., in root on E. side of 15-in. black-oak tree; copper nail and washer	952.99
Branch, 5 mi. W. of, cor. secs. 25, 26, 35, and 36, T. 37 N., R. 20 W., 3 ft. N. and 17 ft. E. from rd. corner W.-N., 10 ft. N. and 1 ft. W. from fence corner, in concrete post; standard tablet stamped "1250 C W A 1934"	905.680
Branch, about 5 mi. W. of, quarter cor. between secs. 25 and 26, T. 37 N., R. 20 W., 40 ft. S. of rd. corner from N.-E., in root on N. side of 10-in. maple tree; copper nail and washer	991.06
Branch, 2 mi. W. of, W. sixteenth cor. sec. 32, T. 37 N., R. 19 W., 15 ft. S. and 230 ft. E. from rd. at fences N. and S., 63 ft. S. and 14 ft. E. from SE. corner of cabin, in concrete post; standard tablet stamped "1251 C W A 1934"	965.453
Branch, about 0.5 mi. W. of, center of NW 1/4 sec. 34, T. 37 N., R. 19 W., 30 ft. S. and 45 ft. W. from T-rd. N., in root on N. side of 18-in. elm tree; copper nail and washer	1,018.86
Branch, 30 ft. S. and 40 ft. W. from crossroads, on SE. corner of concrete base of N. gasoline pump; chiseled square	1,105.86

## 9. IN SEC, 26, T. 37 N., R. 20 W. (by G. R. Hamlin in 1936)

T. 37 N., R. 20 W., in SW 1/4 sec. 26, 80 ft. S. and 60 ft. E. from SE. corner of Mabary School, in root on E. side of 30-in. black-oak tree; copper nail and washer	912.47
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For additional level lines along U.S. Highways 54 and 65, refer to United States Coast and Geodetic Survey second-order lines, Linn Creek to Brownington and Buffalo to Preston.