DEGREE QUADRANGLE 34°-35°, 120°-121°

Figure 16.—Diagram of degree quadrangle 34°-35°, 120°-121°

GUADALUPE QUADRANGLE

[Latitude 34° 30'-35°; longitude 120° 30'-121°]

SANTA BARBARA AND SAN LUIS OBISPO COUNTIES

Primary leveling by S. N. Stoner in 1903-4

From Santa Maria west along county road to Guadalupe

Bennett schoolhouse, in southeast corner of school yard, 8 feet from corner of fence; iron post stamped “144 L. A.”

From Guadalupe south along Southern Pacific R. R. to Jalama

Guadalupe, 0.25 mile south of station, 100 feet north of point where spur starts for sugar factory, 30 feet west of switch target at south end of Guadalupe yards, 50 feet north of county road, at south end of fence; iron post stamped “84 L. A.”

Waldorf, 3 feet north of signpost; iron post stamped “201 L. A.”

Casmalia, 100 feet south of, south side of track, 30 feet west of wagon road; iron post stamped “291 L. A.” (covered with sand)
Narlon sign post, 3 feet north of, east side of track; iron post stamped “129 L. A.”

Lompoc Landing, at road crossing, 60 feet west of crossing signpost, in corner of fence; iron post stamped “158 L. A.”

Surf, 300 feet north of station, north side of wagon road, near southwest point of Y, 6 feet northeast of crossing signpost; iron post stamped “36 L. A.”

Surf, in front of station; center of track

Weser, opposite signpost; center of track

Honda, at signpost; center of track

Honda, 300 feet south of signpost, 300 feet north of south end of switch, 3 feet southwest of crossing signpost; iron post stamped “110 L. A.”

Arguello, at signpost; top of rail

Arguello, 30 feet east of east end of switch, 30 feet north of track, opposite white post; iron post stamped “161 L. A.”

Suddenly, west end of gate leading into station, 250 feet west of telegraph office; iron post stamped “85 L. A.”

Jalama Creek, 50 feet north of north end of bridge over, 30 feet west of track, opposite large red water tank; iron post stamped “96 L. A.”

Jalama, at switch signpost; center of track

From Narlon east along road to Harris

Narlon, 5 miles southeast of, south of San Antonio Creek, at foot of Barker’s grade on Lompoc road, at southeast corner of wire fence, in boulder 24 by 36 by 36 inches above ground; aluminum tablet stamped “95 L. A.”

From Surf east along Southern Pacific R. R. (Lompoc branch) to Lompoc

Baroda, 3.5 miles southeast of, 30 feet west of county windmill No. 11, southwest corner of railroad crossing inclosure; iron post stamped “31 L. A.”

Primary leveling by L. F. Biggs in 1916

Near Guadalupe. (A double-rodded line corrected to agree with U. S. Coast and Geodetic Survey precise leveling over same route)

Guadalupe, 2.4 miles north of, south end of undertrack crossing and bridge 274-A; chiseled square; top of bolt, painted “U. S. 88”

Guadalupe, 1 mile northeast of, east end of south stone abutment of Santa Maria River railroad bridge 275-C; chiseled square, marked “U. S. 78”

Guadalupe, 0.25 mile south of, in northeast corner of intersection of crossroads, at southeast corner of I. O. O. F. cemetery, east end of concrete highway culvert; bronze tablet stamped “84 21 1916” Bennett School, in southeast corner of yard, 8 feet from corner of fence; iron post stamped “144 L. A.”

Precise leveling by U. S. Coast and Geodetic Survey in 1920

South along Southern Pacific R. R.

Guadalupe, at county line of San Luis Obispo and Santa Barbara counties, on north abutment of railroad bridge over Santa Maria River, west of track and 1 meter below level of rails; red metal disk (U. S. C. & G. S. b. m. D-26)
Guadalupe, branch of Bank of Santa Maria, near southeast corner, facing south, about 4 feet above ground; red metal disk set vertically (U. S. C. & G. S. b. m. G-26)_________________ 85.321

Guadalupe, about 0.2 mile north of station, on large water tank at point of siding, on pier nearest track; most westerly bolt; tablet set in top of concrete post (U. S. C. & G. S. b. m. E-26)_________ 145.744

Guadalupe, 0.25 mile south of station, at mileage 276.9, 100 feet north of point where spur starts for sugar factory, 39 feet west of switch target at south end of Guadalupe yards, 50 feet north of county road; Geological Survey iron post protected by four rails, stamped "84 La." (U. S. C. & G. S. b. m. F-26)______ 87.198

Guadalupe, 2.4 miles south of, at mileage 278.8, a rounded knob in top face of south stone abutment of undergrade crossing; surface within an outlined square (U. S. C. & G. S. b. m.) (S. P. b. m.)____ 120.859

Guadalupe, 3.4 miles south of, at mileage 279.95, a rounded knob on north end of culvert 279-L, east of track; surface within an outlined square on masonry (U. S. C. & G. S. b. m. H-26)__________ 172.260

Waldorf, at mileage 280.7, 3 feet north of signpost; a Geological Survey iron post stamped "201 L. A." (U. S. C. & G. S. b. m. I-26)______ 204.967

Waldorf, 500 feet south of, mileage 280.8, east of track, in south end of stone culvert 280-H; red metal disk (U. S. C. & G. S. b. m. J-26)_____________________________ 204.688

Schumann, 0.3 mile north of, at mileage 284.5, plate set in top face of concrete undergrade crossing 284-D, east of track, on north end of culvert (U. S. C. & G. S. b. m. K-29)____________________ 393.769

Casmalia, 0.5 mile north of, at mileage 287.0, in north end of culvert 286-G, on east side of track, red metal disk (U. S. C. & G. S. b. m. L-26)__________________________ 314.691

Casmalia, opposite station and just south of road crossing; a Geological Survey iron post stamped "291 L. A." (U. S. C. & G. S. b. m. M-26)____________________________ 294.786

Casmalia, 0.4 mile south of, at mileage 287.9, a plate set in top face of north side of railroad culvert 287-F, on west side of track; (U. S. C. & G. S. b. m. N-26)__________________________ 264.852

Narlon sign post, mileage 295.2, 3 feet north of sign, on east side of track; a Geological Survey iron post stamped "129 L. A." (U. S. C. & G. S. b. m. O-26)___________________ 132.615

Narlon, 1.5 miles south of, at mileage 294.7, on the north abutment of railroad deck-girder bridge over Los Alamos Creek, about 5 feet from end of bridge, on east side of track, 1 foot below ties; red metal disk (U. S. C. & G. S. b. m. T-26)______________________________ 108.900

Tangair, 0.2 mile south of sign, about 300 feet north of point of longest siding, west of track, on concrete railroad culvert 297A; red metal disk (U. S. C. & G. S. b. m. Q-26)__________________________ 216.112

Tangair, 2.6 miles south of, at mileage 299.8, east of track, 1,700 feet south of block signal, on concrete railroad culvert; red metal disk (U. S. C. & G. S. b. m. R-26)___________________________ 115.387

Lompoc Junction (Surf post office), 0.7 mile north of, mileage 301.95, on north brick abutment of steel railroad bridge over Santa Inez River, inside west end post, 2 feet above seat and 1 meter below track on west side; red metal disk (U. S. C. & G. S. b. m. S-26)____ 18.074

103248—25—12
Lompoc Junction, mileage 302.7, opposite station building, on more southerly of two piers nearest main track, supporting southerly of two large water tanks, head of bolt attaching pier to concrete base (U. S. C. & G. S. b. m. P-26) ____________________ 50.226

Honda, 0.4 mile south of, at mileage 308.3, on south abutment of steel deck-girder bridge over Canada Honda, east of track, on top face of top block; red metal disk (U. S. C. & G. S. b. m. V-26) ______ 113.658

Arlight (Point Arguello Light station), 0.3 mile north of, near block signal 3111, the top knob of "8" in 1918, on concrete culvert, west of track; surface within an outlined square on masonry (U. S. C. & G. S. b. m. W-26) ____________________ 185.177

Arlight (Point Arguello Light station), in top of flat-topped concrete reservoir, beside path leading from railroad station to lighthouse, halfway downhill, 2 feet from manhole on west side of reservoir, 2½ feet above ground; red metal disk (U. S. C. & G. S. b. m. X-26) ____________________ 166.847

Arguello, 0.5 mile south of, at milepost 313, in center of east end of concrete culvert 313A; red metal disk (U. S. C. & G. S. b. m. A-27) ____________________ 140.771

Arguello signpost, 0.8 mile south of, at mileage 313.4, east of track, on north abutment of stone culvert 313D, head of spike set in top face of top sandstone block (U. S. C. & G. S. b. m. B-27) ____________________ 131.660

Milepost 315, 0.2 mile north of, a round-headed bolt set in east end of concrete culvert 314-J (U. S. C. & G. S. b. m. C-27) ____________________ 115.184

Sudden, mileage 317.3, about 50 meters east of track, 100 meters north of station, in northwest concrete pier supporting steel water tank; red metal disk (U. S. C. & G. S. b. m. D-27) ____________________ 88.004

LOMPOC QUADRANGLE

[Latitude 34° 25'-35'; longitude 120°-120° 30']

SANTA BARBARA AND SAN LUIS OBISPO COUNTIES

Precise leveling by the U. S. Coast and Geodetic Survey in 1920

East along Southern Pacific R. R.

Jalama, 0.5 mile north of, on top face of north abutment of steel railroad bridge over Jalama Creek, on east side of track; red metal disk (U. S. C. & G. S. b. m. E-27) ____________________ 102.464

Jalama, 50 feet north of north end of bridge, 30 feet west of track, opposite two large red tanks beside small log house; a Geological Survey iron post stamped "96 L. A." (U. S. C. & G. S. b. m. F-27) ____________________ 99.376

Jalama, 1.4 miles south of, at mileage 322.2, east side of track, on concrete drainpipe 322C, at elevation of track; red metal disk (U. S. C. & G. S. b. m. G-27) ____________________ 180.659
Concepcion, 2.3 miles north of, at milepost 323, in southeast corner of concrete drainage tunnel which parallels track and ends at milepost 323, east side of track; surface within an outlined square on masonry (U. S. C. & G. S. b. m. H-27) 173.481

Concepcion, 200 feet northwest of station, 6 feet east of northeast support of water tank; a Geological Survey iron post stamped “112 L. A.” (U. S. C. & G. S. b. m. I-27) 116.046

Anacapa siding, at mileage 327.8, west of track, on concrete railway culvert 327-K; red metal disk (U. S. C. & G. S. b. m. J-27) 49.806

Gato, 0.2 mile south of, at mileage 330.2; in top of large granite rock at culvert 330-D, 3 meters east of track, just north of farm-road crossing; surface within an outlined square on masonry (U. S. C. & G. S. b. m. K-27) 60.174

Drake, 1 mile west of, at mileage 333.2, west of track, on culvert 333A; center of “9” in 1918; surface within an outlined square on masonry (U. S. C. & G. S. b. m. L-27) 45.426

Sacate, 1 mile east of tunnel 13, on east end of concrete culvert 335-C, opposite section gang’s small log houses; red metal disk (U. S. C. & G. S. b. m. N-27) 88.379

Sacate, 1.4 miles east of, at mileage 336.2, on south abutment of steel trestle over Alegria Canyon, top of a round-headed bolt, probably a S. P. bench mark, on east side of track (U. S. C. & G. S. b. m. O-27) 106.158

Gaviota, 2.2 miles north of, at mileage 337.2, on north abutment of steel trestle over Agua Caliente Canyon, on east side of track; in top face of top stone block; red metal disk (U. S. C. & G. S. b. m. P-27) 99.232

Gaviota, 2.1 miles west of, at mileage 337.3, on south abutment of steel trestle over Agua Caliente Canyon, on west side of track, in top face of top stone block; nail head (probably S. P.) (U. S. C. & G. S. b. m. Q-27) 99.196

Gaviota, 0.7 mile west of, on north abutment of steel trestle over Gaviota Canyon, on west side of track, on top face of top block; round-headed bolt (U. S. C. & G. S. b. m. R-27) 82.510

Gaviota, 125 feet south of southwest corner of station, 80 feet south of center line of track, against fence on edge of bluff over track; Geological Survey iron post stamped “94 L. A.” (U. S. C. & G. S. b. m. S-27) 97.392

Aoco, a refinery of the Associated Oil Co., mileage 339.9, on north abutment of steel trestle over Omentero Canyon, on top face of top sandstone block, east side of track; red metal disk (U. S. C. & G. S. b. m. T-27) 83.458

Aoco, mileage 340.0, in solid rock at rocky bluff at head of Associated Oil Co.’s wharf at Gaviota, about 2 meters above low water, 15 feet on south side of head of wharf; red metal disk (U. S. C. & G. S. b. m. M-27) 8.586

Gaviota, 2.3 miles east of, at mileage 342.2, opposite railroad culvert 342-A, in west end of small culvert under highway; red metal disk (U. S. C. & G. S. b. m. U-27) 95.915
SPIRIT LEVELING IN CALIFORNIA, 1896–1923

Gaviota, 4.3 miles east of, at mileage 343.7, on top of south end ornamental railing post of large concrete highway bridge over Arroyo Honda, about 20 meters east of railroad bridge over same canyon, west side of roadway; red metal disk (U. S. C. & G. S. b. m. V–27)______________________________ 91.023

Tajiguas, 135 feet east of northeast corner of fence around railroad section-house lot, 200 feet north of center of track, 50 feet south of road, 30 feet west of gate in fence; Geological Survey iron post stamped “59 L. A.” (U. S. C. & G. S. b. m. W–27)______________________________ 63.176

Orella, 0.5 mile north of, at milepost 348, on railroad bridge 348A over Refugio Canyon, east of track, on top of top stone block of north abutment; red metal disk set in cement (U. S. C. & G. S. b. m. X–27)______________________________ 41.030

Capitan, 0.9 mile east of, at mileage 350.8, on south end abutment of railroad trestle over El Capitan Canon, structure 350E; a rounded knob on top face of top stone block, west of track; surface within an outlined square on masonry (U. S. C. & G. S. b. m. Y–27)______________________________ 108.208

Primary leveling by H. S. Crowe in 1901–2, S. N. Stoner in 1903–4, and C. L. Nelson in 1903

From Capitan west along Southern Pacific R. R. to Gaviota

Capitan, 1.8 miles east of, 1 foot west of milepost 352, 25 feet north of track; iron post stamped “109 L. A.”______________________________ 112.687

Capitan siding, in front of signboard; top of north rail______________________________ 78.3

Morella siding; top of north rail______________________________ 50.1

Tajiguas siding, 135 feet east of northeast corner of fence around railroad section-house lot, 200 feet north of center of track, 50 feet south of road, 30 feet west of gate in fence; iron post stamped “59 L. A.”______________________________ 63.176

Gaviota, in front of telegraph office; top of south rail______________________________ 98.3

Gaviota, 125 feet south of southwest corner of station, 80 feet south of center of track, against fence on edge of bluff above beach; iron post stamped “94 L. A.”______________________________ 97.392

From Gaviota west along Southern Pacific R. R. to Jalama

Santa Anita switch, at road crossing; center of track______________________________ 67.7

Santa Anita switch, 1 mile west of, 335 feet east of signpost, 185 feet west of milepost 334, 20 feet south of track; iron post stamped “48 L. A.”______________________________ 51.781

Gato switch, at road crossing; top of rail______________________________ 55.4

Concepcion, 200 feet northwest of station, 6 feet east of northeast support of water tank; iron post stamped “112 L. A.”______________________________ 116.046

Concepcion, in front of station; center of track______________________________ 114.9

From Gaviota north along wagon road to Los Olivos

Las Cruces, 1 foot south of northeast corner of fence around public school; iron post stamped “339 L. A.”______________________________ 342.443

Nojoqui Pass, summit of, 25 feet south of road, on bench; iron post stamped “879 L. A.”______________________________ 882.596

Old Santa Ynez mission, 35 feet northeast of gate at entrance to grounds, south edge of road, at corner of fence; iron post stamped “495 L. A.”______________________________ 498.715
From Los Olivos northwest along Pacific Coast Ry. to Santa Maria, thence northeast along highway to Suey ranch

Los Olivos, 1 foot north of south corner of public-school building, 1 foot west of brick foundation; iron post stamped "336 L. A." 839.450
Zaca, in front of station; base of west rail 778.0
Calkin siding, west end of, 1 foot south of fence, 60 feet northeast of road crossing; iron post stamped "339 L. A." 942.441
Wigmore siding, in front of signboard; base of south rail 754.6
Los Alamos, road crossing at station; top of rail 572
Los Alamos public school, in northwest corner of lot, 1 foot east of junction of fence lines; iron post stamped "569 L. A." 572.624
Los Alamos, 4 miles west of, at point of curve near telegraph pole, 31 feet south of track; iron post stamped "425 L. A." 428.579
Harris, in front of station; top of east rail 311.6
Harris, 1.5 miles north of, top of bank of through cut, 30 feet east of track, 1 foot west of fence, between two crossings of creek; iron post stamped "378 L. A." 381.670
Blake, in front of station; top of rail 404.0
Divide, in front of station; top of rail 512.5
Graciosa schoolhouse, 15 feet southeast of northeast corner of fence around, 150 feet west of road crossing, at track; iron post stamped "314 L. A." 317.611
Lake View, in front of station; top of east rail 267.0
Santa Maria, in front of station; top of east rail 206.6
Santa Maria, 140 feet east of east side of Pacific Coast Railway Co.'s station, 2 feet north of corner post of fence, at northeast corner of Chapel St. and railroad reservation; iron post stamped "204 L. A." 207.096
Suey ranch house, at entrance to grounds, 8 feet east of gatepost at junction of fence lines, 20 feet west of center of road; iron post stamped "377 L. A." 380.267

From Santa Ynez Mission east via Santa Ynez to Ferry, thence north via Santa Agueda Creek to San Rafael Mountain

Santa Ynez, at ferry crossing, 30 feet west of road, 15 feet south of tree to which cable is fastened, on flat; iron post stamped "522 L. A." 526.946
Santa Agueda (St. Agnes) Creek, 5 miles north of junction with Santa Ynez River, line between Donovan ranch and College pasture; 20 feet west of gate in fence, 85 feet west of creek; iron post stamped "807 L. A." 812.116
Los Olivos, 7.5 miles northeast of, 2.7 miles west of Birabent's house, at junction of small canyon below grade that turns north; iron post stamped "1501 L. A." 1,506.076
Birabent's house, 1.7 miles east of, 30 feet south of wagon road, on ridge near summit; iron post stamped "2982 L. A." 2,987.166

From Los Alamos southwest along county road via Santa Rita (Stewart) to Lompoc, thence southeast to Las Cruces

Los Alamos, 6.3 miles southwest of, on saddle between two ridges, on west side of road, 25 feet south of gate in fence; iron post stamped "1476 L. A." 1,479.929
Stewart (Santa Rita), 0.8 mile west of, in southwest corner of field, on north side of road, at corner of lane to barnyard of D. Streeter; iron post stamped “415 L. A.”

Purisima Mission building, 0.3 mile south of ruins of, at southwest corner of road where it turns south, opposite county tank and water trough; iron post stamped “112 L. A.”

Lompoc, at station of Southern Pacific R. R., in front of telegraph office; top of south rail

Lompoc, at southwest corner of Railroad Ave. and Eighth St., in northeast corner of fence around public schoolhouse lot, 36 feet south of main track; iron post stamped “93 L. A.”

Lompoc, 4.6 miles southeast of, south side of gate, on east side of main road, in east corner of fence at intersection of fences; iron post stamped “238 L. A.”

San Julian ranch, 0.9 mile west of house, in corner of fence, 30 feet south of gate; iron post stamped “603 L. A.”

Las Cruces, 4.1 miles northwest of, 30 feet north of road, 40 feet south of telephone pole, 2.5 feet south of white stake No. 24, in mound of rocks; iron post stamped “927 L. A.”

From Santa Ynez Mission west along road to Stewart

Santa Rita (Stewart), 4.3 miles southeast of, road at culvert, 6 feet west of road at summit; iron post stamped “552 L. A.”

From Santa Maria southeast via Gary and Canada del Gato to Los Alamos

Santa Maria, 5.8 miles southeast of, 75 feet south of small frame house on land owned by Mr. Blockman, 50 feet south of poplar tree 18 inches in diameter, 15 feet southwest of right turn in road, 2 feet southwest of fence corner; iron post stamped “322 L. A.”

Gary, 60 feet north and 10 feet east of schoolhouse, 6 feet southwest of northeast corner of fence around schoolhouse; iron post stamped “376 L. A.”

Gary, 4.8 miles southeast of, 70 feet northeast of Hopedale schoolhouse, 150 feet south of road, 20 feet west of fence; iron post stamped “596 L. A.”

Gary, 8 miles southeast of, 12 feet southeast of road at summit; iron post stamped “1252 L. A.”