

DEGREE QUADRANGLE 35°-36°, 118°-119°

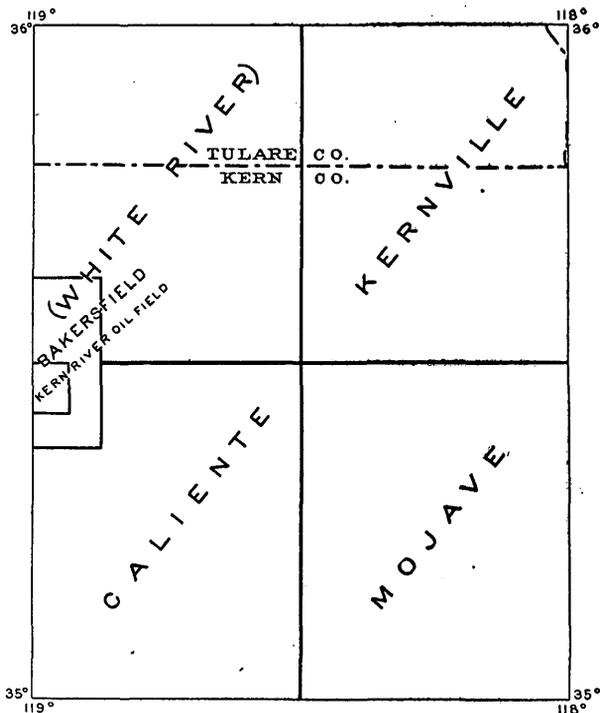


FIGURE 21.—Diagram of degree quadrangle 35°-36°, 118°-119°

CALIENTE QUADRANGLE

[Latitude 35°-35° 30'; longitude 118° 30'-119°]

KERN COUNTY

Precise leveling by C. H. Semper in 1902 and L. F. Biggs in 1914.

From Bakersfield (Kern) southeast along Southern Pacific R. R.

	Feet
Bakersfield (Kern), 130 feet north of northwest corner of depot, east edge of highway, near railroad crossing and corner of fence; iron post stamped "421 B 1902"-----	422.083
Kern Junction tower, 300 feet east of; top of southeast guy bolt on semaphore-----	417.66
Kern, 2 miles east of, concrete pier over canal; top of northwest corner-----	424.85
Milepost 316, 800 feet west of, west side of track at edge of highway; iron post stamped "431 B 1902-1"-----	431.976
Semaphore 3169, top of concrete foundation; southeast corner-----	433.28

NOTE.—Bench marks on semaphores are the top surface of concrete base for ladder, at foot of ladder. The even-numbered semaphores are on south and west side of track, on right side going toward Los Angeles, odd-numbered on left side.

	Feet
Semaphore 3177, of top of concrete foundation; southwest corner-----	457. 94
Milepost 319, 800 feet west of, on south side of track, at margin of highway; iron post stamped "509-B 1902-2"-----	510. 154
Semaphore 3199, top of concrete foundation; southeast corner-----	568. 40
Semaphore 3207, top of concrete foundation; southeast corner-----	594. 73
Milepost 322, 800 feet west of, on south side of track; iron post stamped "660 B 1902-3"-----	661. 048
Semaphore 3227, top of concrete foundation; southeast corner-----	724. 27
Road crossing, in fence post; railroad spike-----	800. 83
Milepost 325, 800 feet west of, north side of track, at fence line; iron post stamped "864 B 1902-4"-----	865. 017
Semaphore 3257, top of concrete foundation; southwest corner-----	908. 86
Semaphore 3263, top of concrete foundation; southeast corner-----	862. 50
Bena (Pampa), 30 feet west of station, on south side of track, at fence line; iron post stamped "874 B 1902-5"-----	874. 749
Semaphore 3290, top of concrete foundation; northeast corner-----	931. 72
Bena, 2.5 miles northeast of, 1,300 feet east of railroad bridge, 10 feet north of north right of way fence line, in top of boulder 4 by 4 by 2 feet above ground; chiseled hole 1 inch deep-----	980. 908
Milepost 331, 1,000 feet south of, east side of track, at south end of switch; iron post stamped "1,014 B 1902-6"-----	1, 015. 334
Semaphore 3319; top of west iron cap-----	1, 058. 97
Bridge 333, point on west end of-----	1, 124. 41
Milepost 334, 800 feet northwest of, 10 feet east of track; iron post stamped "1,201 B 1902-7"-----	1, 201. 861
NOTE.—This description is probably correct referring to new mile- post, though Biggs did not correct the Bull. 342 description reading "65 feet south of milepost 335."	
Caliente, 1.1 miles south of, in center of track; spike-----	1, 229. 58
Caliente, 1.6 miles south of, 200 feet north of tunnel, north side of track; iron post stamped "1,402 B 1902-8"-----	1, 403. 504
Semaphore 3374, at base of; top of box-----	1, 481. 20
Semaphore 3387, top of concrete foundation; at foot of ladder-----	1, 594. 14
Milepost 340, 800 feet west of, east side of track, at fence line; iron post stamped "1,732 B 1902-9"-----	1, 733. 743
Bealville, semaphore; top of concrete foundation-----	1, 808. 89
Bealville, 1,900 feet east of, on bluff, west edge of canyon, opposite first tunnel east of Bealville; bronze tablet in boulder stamped "1,845 1914"-----	1, 846. 664
Semaphore 3418, top of concrete foundation; at southwest corner---	1, 944. 22
Milepost 343, 700 feet south of, 25 feet east of track; iron post stamped "2, 054 B 1902-10"-----	2, 055. 443
Semaphore 3437, top of concrete foundation; at base of ladder-----	2, 164. 92
Semaphore, top of concrete foundation; northwest corner-----	2, 301. 75
Rowen, 0.2 mile south of, 60 feet west of track, 20 feet east of fence, 800 feet north of road crossing; iron post stamped "2,395 B 1902-11"-----	2, 397. 159
Rowen, 0.2 mile south of, 800 feet north of road crossing, 200 feet east of wagon road, 200 feet west of railroad, in large boulder; bronze tablet stamped "2,410 1914-12"-----	2, 412. 412
Semaphore 3469, top of concrete foundation; west corner-----	2, 506. 06
Semaphore 3477, top of concrete foundation; north corner-----	2, 588. 24

	Feet
Semaphore 3483, top of concrete foundation; northwest corner-----	2, 670. 87
Keene, 360 feet south of station, 30 feet west of track; iron post stamped "2,719 B 1912-13"-----	2, 721. 674
Keene, 500 feet south of station, 50 feet west of road crossing, in top of largest boulder; bronze tablet stamped "2,739.14 1914"-----	2, 741. 476
Bridge 349-G; point on northeast corner-----	2, 828. 63
Semaphore 3505, top of concrete foundation; at base of ladder-----	2, 914. 61
Keene, 2.5 miles east of, west side of track, 20 feet south of road crossing; iron post stamped "3,064 B 1902 15"-----	3, 066. 725
Semaphore 3528, top of concrete foundation; at east corner-----	3, 149. 45
Marcel, semaphore, top of concrete foundation; at northeast corner--	3, 295. 93

Primary leveling by L. D. Ryus in 1903 and by C. H. Semper in 1905

From Havilah southwest along highway following Kern River to Caliente

Havilah, 4.6 miles south of, 2,400 feet south of summit of mountain, on east edge of road, in small canyon, in large granite rock, west face; aluminum tablet stamped "4072 G 1905 16 S"-----	4, 074. 770
Walkers Basin, 0.8 mile north of, W. Rankin's ranch house, on east side of road, 10 feet west of fence, west face of large rock; aluminum tablet stamped "3335 G 1905 17 S"-----	3, 338. 426
Walkers Basin, 5.5 miles south of, 0.6 mile south of Oak Flat, 100 feet west of loop in road, on south edge of road, top of flat rock; aluminum tablet stamped "2900 G 1905 18 S"-----	2, 903. 607
Caliente, 3 miles northeast of, at fork of road to Pinto and Rankin camps, 10 feet west of road, large rock; aluminum tablet stamped "1534 G 1905 19 S"-----	1, 538. 040
Caliente, 65 feet south of milepost 335, 10 feet east of track; iron post ¹ stamped "1201 B"-----	1, 201. 861

From Kern along highway north via Oil City station to Oil triangulation station

T. 29 S., R. 28 E., sec. 16, 2.5 miles north of Kern, 100 feet south of edge of mesa, at top of grade of road from Kern to Oil City; iron post stamped "684 B"-----	684. 065
T. 28 S., R. 28 E., sec. 34, at quarter corner on south side of, at corner of fence, west side of road; iron post stamped "522 B"-----	523. 492
T. 28 S., R. 28 E., sec. 21, on ridge about 1 mile north of water tank; iron post stamped "976 B"-----	976. 927
Oil triangulation station, 1 mile southeast of, sec. 18, T. 28 S., R. 28 E., on round knob east of Mon Canyon road; iron post stamped "1133"-----	1, 132. 894

From Oil City northwest along railroad and highway to sec. 24, T. 28 S., R. 27 E.

Oil Center schoolhouse, in southeast corner of yard; iron post stamped "634 B"-----	634. 123
T. 28 S., R. 28 E., sec. 30, near southeast corner, 1 mile north of Peerless oil claim, on road on ridge north of Stirling oil claim, 100 feet north of house, south side of road; iron post stamped "768"-----	768. 354

¹ Elevation adjusted January, 1907.

From point 2.5 miles north of Kern southeast along second-class road and across country to milepost 320 on Southern Pacific R. R.

	Feet
T. 29 S., R. 29 E., sec. 23, 3.5 feet southwest of northeast corner; iron post stamped "829 B" -----	829. 283
Kern, 5 miles east of, sec. 30, T. 29 S., R. 29 E., 2.5 miles north of Southern Pacific R. R. 20 feet south of road, at point where drain enters flat, east side of mouth of wash; iron post stamped "569 B" -----	569. 471

Primary leveling by K. W. Trimble and G. L. Hagman in 1910

From point 5 miles east of Edison south along highways to T. 32 S., thence west to sec. 32, T. 32 S., R. 28 E.

Edison, 4 miles east by 0.8 mile south of, power tower 89; top of east lower brace, painted "U. S. B. M. □ 779" and stamped "779 B □" -----	779. 13
Edison, 4 miles east by 2 miles south of, on top of east lower brace of power tower 99; chiseled square painted "U. S. □ B. M. 724" and stamped "724 B □" -----	724. 02
Edison, 4 miles east by 2.9 miles south of, on power line of Edison Electric Co., just north of point where line goes over hill, 60 feet north of second-class road, 18 feet south of power tower 106; iron post stamped "657 B" -----	657. 503
Edison, 4 miles east by 3.9 miles south of, top of west lower brace of power tower 115, painted "U. S. B. M. □ 596" and stamped "596 B □"; chisel mark -----	595. 81
Edison, 4 miles east by 5 miles south of, on top of east lower brace of power tower 124, painted "U. S. □ B. M. 553"; chisel mark -----	553. 26
Rockpile School, 1 mile west of, on Edison Electric Co.'s power line, 12 feet south of tower 132; iron post stamped "516 B" -----	516. 371
Rockpile School, 1 mile west by 1 mile south of, on top of east lower brace of power tower 140, painted "U. S. □ B. M. 485"; chisel mark -----	485. 16
Rockpile School, 1 mile west by 2 miles south of, on top of east lower brace of power tower 147, painted "U. S. □ B. M. 458"; chisel mark -----	458. 37
Rockpile School, 1 mile west by 3 miles south of, on top of east lower brace of power tower 155, painted "U. S. □ B. M. 429"; chisel mark -----	429. 49
T. 31 S., R. 29 E., southeast corner of sec. 36, 120 feet southeast of Edison Electric Co.'s power tower 163; iron post stamped "409 B" -----	409. 021
Edison Electric Co.'s power tower 171, on north lower brace, painted "U. S. □ B. M. 416"; chisel mark -----	416. 46
Edison Electric Co.'s power tower 179, 200 feet north of road to Tehachapi, on west lower brace, painted "U. S. □ B. M. 474"; chisel mark -----	474. 05
T. 32 S., R. 29 E., near south quarter corner of sec. 10, at east line of north-south road; iron post stamped "442 B" -----	442. 037
T. 32 S., R. 29 E., near north quarter section corner of sec. 27, where telephone line turns east, in base of telephone pole painted and scribed "U. S. B. M. 558"; spike -----	556. 03

	Feet
T. 32 S., R. 29 E., near south quarter corner of sec. 34, on west edge of second-class north-south road; iron post stamped "561 B"	560. 737
T. 32 S., R. 29 E., near south quarter corner of sec. 33, in base of fence post, painted and scribed "U. S. B. M. 535"; spike-----	532. 83
T. 32 S., R. 29 E., near south quarter corner of sec. 31; iron post stamped "473 B"-----	473. 129
T. 32 S., R. 28 E., 0.6 mile east of the southeast corner of sec. 33, at northeast edge of county road where it turns south, on fence line; iron post stamped "438 B"-----	438. 277
From sec. 34, T. 32 S., R. 28 E., south along county road to point 3 miles south of Rose station.¹ Closure 1.159 feet	
Rose, 10.7 miles north of, on county road, in base of telephone pole 1010, painted and scribed "U. S. B. M. 495;" spike-----	495. 29
Rose, 8.5 miles north of, on county road where it goes through gate, in base of telephone pole at fence corner, painted and scribed "U. S. B. M. 635"; spike-----	635. 28
Rose, 7.6 miles north of, in southwest corner of road where it turns east, near fence corner and telephone pole 1142; iron post stamped "711 B"-----	710. 701
Rose, 6.6 miles north of, on county road, in base of telephone pole 1184, painted and scribed "U. S. B. M. 748"; spike-----	747. 86
Rose, 5 miles north of, at northeast corner of T road where telephone line turns south, near telephone pole 1238; iron post stamped "763 B"-----	763. 645
Rose, 2.8 miles north of, on county road, in base of telephone pole 1322, painted and scribed "U. S. B. M. 956"; spike-----	956. 30
From Edison Electric Co.'s power tower 179 east along highway via Cummings Valley to point 1.2 miles southwest of Tehachapi.¹	
Edison Electric Co.'s power tower 179, 1 mile east of, at fence corner where road turns north, in base of fence post, painted and scribed "U. S. B. M. 557"; spike-----	556. 83
Edison Electric Co.'s power tower 179, 3.1 miles east of, where road runs around projecting hill, on north side of road, in base of fence post, painted and scribed "U. S. B. M. 557"; spike-----	1, 285. 07
Edison Electric Co.'s power tower 179, 3.7 miles east of, where road runs around top of west end of a long, narrow hill projecting westward, 25 feet west of center of road, in top of granite boulder; aluminum tablet stamped "1495 B"-----	1, 495. 27
San Martinez Spring, 1.1 miles east of, on west side of road where it runs up ravine, in root of oak tree, painted "U. S. B. M 2495"; copper nail-----	2, 495. 50
Roland Hill's white shack, 0.4 mile southwest of, 50 feet west of road, in base of large oak tree, painted "U. S. B. M. 2791"; spike-----	2, 791. 43
West junction of Cummings Valley and Bear Valley roads, 395 feet south of, 15 feet south of road, on granite boulder, painted "U. S. B. M. 2914"; chisel mark-----	2, 913. 84
West junction of Cummings Valley and Bear Valley roads, 18 feet west of center of road; iron post stamped "2935 B"-----	2, 934. 325

¹ No adjustment has been made of this line owing to an excessive closure error.

	Feet
West junction of Cummings Valley and Bear Valley roads, 1 mile east of, where road crosses saddle, at north edge of road, in base of 12-inch oak tree, painted and scribed "U. S. B. M. 3256"; spike	3, 256. 36
West junction of Cummings Valley and Bear Valley roads, 2.2 miles east of, at west edge of road, in base of 15-inch oak tree, painted and scribed "U. S. B. M. 3102"; spike	3, 102. 02
West junction of Cummings Valley and Bear Valley roads, 3.1 miles east of, 25 feet north of road, in root of big oak tree, painted and scribed "U. S. B. M. 3387"; copper nail	3, 386. 88
Jacks Camp, 35 feet north of road, at barn, in base of big oak tree, painted and scribed "U. S. B. M. 3495"; spike	3, 493. 87
Jacks Camp, 1.2 miles east of, near top of steep grade, 10 feet south of edge of road, in top of granite boulder; aluminum tablet stamped "3815 B"	3, 814. 124
Cummings Valley, top of grade west from, where road crosses saddle, 40 feet west of road, in root of big oak tree, painted and scribed "U. S. B. M. 4041"; copper nail	4, 041. 50
Cummings Valley School, 1 mile south of, at north edge of road, in base of southeast corner of well derrick, painted and scribed "U. S. 3847"; spike	3, 847. 53
Cummings Valley School, in southeast corner of school lot; iron post stamped "3827 B"	3, 825. 867
Cummings Valley School, 1.5 miles north of by 1.5 miles east of, in southwest corner of crossroads, in base of telephone pole, painted and scribed "U. S. B. M. 3904"; spike	3, 904. 33
Cummings Valley School, 3.5 miles northeast of, where road turns northeast before entering canyon, in northwest fence corner; iron post stamped "3953 B"	3, 951. 867
Dick Brite ranch, 0.8 mile west of, at north edge of road, in base of big oak stump, painted and scribed "U. S. B. M. 4148"; copper nail	4, 147. 98
Dick Brite ranch, 1.4 miles east of, where road turns south, at southwest corner, in base of telephone pole, painted and scribed "U. S. B. M. 4300"; spike	4, 299. 83
Tehachapi, 5 miles west of, at low place where road is crossed by drain, 105 feet west of gate, at north edge of road, in base of telephone pole, painted and scribed "U. S. B. M. 4187"; spike	4, 187. 53
Tehachapi, 4.5 miles west of, where road turns north, in northwest fence corner; iron post stamped "4253 B"	4, 251. 708
Tehachapi, 2.4 miles west of, at top of rise, at south edge of road, in base of telephone pole, painted and scribed "U. S. B. M. 4048"; spike	4, 048. 11
Tehachapi, 1.2 miles southwest of, at low place where road is crossed by drain, at north edge of road, in base of telephone pole, painted and scribed "U. S. B. M. 3985"; spike	3, 984. 93

KERNVILLE QUADRANGLE

[Latitude 35° 30'-36°; longitude 118°-118° 30']

KERN AND TULARE COUNTIES

Primary leveling by C. H. Semper in 1905

From Dry Meadow south via Angel Camp and Kern River to Fairview, thence along trail and highway following Kern River to Havilah

Feet

Kern River, junction of second Dry Meadow Creek with, 230 feet north of junction, in north wall of dry creek; aluminum tablet stamped "3765 G 1905 7 S"-----	3,767.761
Fairview, 150 feet directly east of Fairview Camp, 40 feet east of top of river bank, top of large granite boulder; aluminum tablet stamped "3516 G 1905 S S"-----	3,519.398
Kern River, 3 miles south of, 0.5 mile north of old corral, 25 feet east of trail, northwest face of large rock 8 by 8 by 7 feet; aluminum tablet stamped "3122 G 1905 9 S"-----	3,125.802
Kernville, 6.3 miles north of, at Chico ranch, 85 feet south of south side of house, 30 feet west of fence, 15 feet north of ditch, north face of large rock; aluminum tablet stamped "2767 G 1905 10 S"-----	2,770.949
Kernville, 3.1 miles north of, 960 feet south of Frank Apalatea's ranch, on west edge of road, 15 feet west of fence line, 55 feet north of fence corner, top of rock; aluminum tablet stamped "2631 G 1905 11 S"-----	2,634.693
Kernville, southeast corner of A. Brown & Co.'s store; aluminum tablet stamped "2565 G 1905 12 S"-----	2,568.787
Hot Springs, 1.9 miles south of, Kern River Flume, north end of concrete bent foundation, on east side of road; aluminum tablet stamped "2487 G 1905 14 S"-----	2,491.036

Primary leveling by L. F. Biggs in 1906

From Isabella east via Onyx to Walker Pass

Isabella, on road to Death Valley, 105 feet northeast of northeast corner of Methodist Church, 8 feet north of road, top of large rock; aluminum tablet stamped "G 1905 13 2521" (Semper's)-----	2,525.099
Isabella, 3 miles east of, sec. 22, T. 26 S., R. 33 E., 20 feet south of road at rocky point, slate ledge; aluminum tablet stamped "B. B. 1906 1 2554"-----	2,555.587
Isabella, 7 miles east of, sec. 20, T. 26 S., R. 34 E., 2 feet north of fence south of road, 1,000 feet east of cottonwood trees, granite rock, flush with ground; aluminum tablet stamped "B. B. 2 2617"-----	2,618.291
Isabella, 9 miles east of, sec. 22, T. 26 S., R. 34 E., 1.2 miles west of Weldon, 250 feet north of cemetery, 10 feet north of road, granite boulder; aluminum tablet stamped "B. B. 1906 3 2635"-----	2,637.024
Weldon, 2.6 miles east of, sec. 18, T. 26 S., R. 35 E., 10 feet east of road, in saddle west of rocky point, in granite boulder; aluminum tablet stamped "B. B. 1906 4 2686"-----	2,688.367
Onyx, 0.8 mile east of, sec. 4, T. 26 S., R. 35 E., 100 feet east of northeast corner of field, 20 feet south of road, granite rock; aluminum tablet stamped "B. B. 1906 5 2746"-----	2,747.971

	Feet
Onyx, 7 miles east of, sec. 30, T. 25 S., R. 36 E., opposite Power's house, 20 feet south of road, in granite rock; aluminum tablet stamped "13 B 1906 6 2893"-----	2,895.527
Onyx, 9.2 miles east of, near quarter corner east side of sec. 29, T. 25 S., R. 36 E., 10 feet south of road, granite boulder; aluminum tablet stamped "B. B. 1906 7 3145"-----	3,147.096
Onyx, 12 miles east of, sec. 23, T. 25 S., R. 36 E., 0.5 mile north of canebrake, on grade 20 feet west of road in canyon, granite rock; aluminum tablet stamped "B. B. 1906 8 3745"-----	3,746.956
Onyx, 15 miles east of, near southeast corner sec. 36, T. 25 S., R. 36 E., east side of creek, 20 feet east of forks of road, granite rock; aluminum tablet stamped "B. B. 1906 9 4327"-----	4,329.372
Walker Pass, summit of, sec. 17, T. 26 S., R. 37 E., 18 miles east of Onyx, 15 feet east of road, granite rock; aluminum tablet stamped "B. B. 1906 10 5245"-----	5,248.321

MOJAVE QUADRANGLE

[Latitude 35°-35° 30'; longitude 118°-118° 30']

KERN COUNTY

Precise leveling by L. F. Biggs in 1906

Along Atchison, Topeka & Santa Fe Ry.

	Feet
Mojave, 6 miles southeast of, 4 feet north of second pole north of milepost 812; iron post-----	2,541.489
Mojave, 3 miles southeast of, 10 feet north of second pole north of milepost 815; iron post-----	2,618.545
Mojave, 0.4 mile south of, 25 feet north of milepost 382, west of track; iron post-----	2,733.750

Precise leveling by R. A. Farmer in 1905

From Mojave northward along stage road to Dixie stage station

Mojave, 0.4 mile south of, 25 feet north of milepost 382, west of track; iron post stamped "2732 B"-----	2,733.750
Mojave, 3.5 miles northeast of, 10 feet south of road; iron post stamped "2955 B"-----	2,957.163
Mojave-Tehachapi-Randsburg signboard, 1.1 miles northeast of, 10 feet south of road; iron post stamped "2745 B"-----	2,746.641
Mojave-Tehachapi-Randsburg signboard, 4.3 miles northeast of, 10 feet east of road; iron post stamped "2588 B"-----	2,589.859
Mojave-Tehachapi-Randsburg signboard, 7.3 miles northeast of, 10 feet east of road; iron post stamped "2419 B"-----	2,421.184
Eighteenmile station, 1.8 miles south of, 20 feet east of road, 50 feet east of Copper Mining mail box; iron post stamped "2152 B"-----	2,154.075
Eighteenmile station, 1.1 miles north of, 10 feet east of road; iron post stamped "2108 B"-----	2,110.345
Eighteenmile station, 4.2 miles north of, 10 feet west of road; iron post stamped "2123 B"-----	2,125.158
Ricardo (formerly Red Rock) post office, 0.7 mile northwest of, 20 feet north of road; iron post stamped "2442 B"-----	2,443.612
Ricardo post office 3.8 miles northwest of, 40 feet west of road; iron post stamped "2902 B"-----	2,904.098

	Feet
Ricardo post office, 6.4 miles northwest of, 50 feet west of road, at summit of Red Rock Canyon; iron post stamped "3520 B"-----	3,521.681
Dixie stage station, 1.3 miles southwest of, 10 feet west of road; iron post stamped "3281 B"-----	3,282.463
Precise leveling by C. H. Semper in 1902 and L. F. Biggs in 1906 and 1914	
From Caliente quadrangle east along Southern Pacific R. R. to Mojave, thence south to Elizabeth Lake quadrangle	
Girard, 0.9 mile south of, east side of track, at entrance of west one of three tunnels; iron post stamped "3,396 B 1902-16"-----	3,398.740
Semaphore 3555, top of foundation; southwest corner-----	3,465.87
Semaphore 3562, top of foundation; northeast corner-----	3,534.17
Semaphore 3571, top of foundation; at base of ladder-----	3,641.38
Milepost 358, 500 feet northwest of, 20 feet west of track; iron post stamped "3732 B 1902-17"-----	3,734.697
Tehachapi, 1.8 miles west of, 50 feet north of culvert 358-F; point on concrete signal block-----	3,847.38
Tehachapi, 1.5 miles west of, 250 feet north of railroad, 20 feet north of highway; bronze tablet in boulder stamped "3,848 1914"-----	3,850.786
Semaphore 3597, at top of concrete foundation; southwest corner----	3,925.32
Tehachapi, at station, 30 feet north of track, 15 feet east of highway; iron post stamped "3,969 (3,966?) B 1902-18"-----	3,969.715
Semaphore 3613, top of concrete foundation; southwest corner----	4,009.50
Summit, top of old semaphore foundation-----	4,032.56
Milepost 364, 800 feet west of, on west side of track, at edge of highway; iron post stamped "3,995 B 1902-19"-----	3,998.409
Semaphore 3648, top of concrete foundation; northeast corner----	3,975.01
Milepost 366, in center of track opposite; spike-----	3,921.57
Proctor, milepost 368 (367?), 700 feet west of, on east side of track, at edge of highway; iron post stamped "3,920 B 1902-20"-----	3,923.026
Proctor, 700 feet southeast of south end of switch, 200 feet east of railroad, at base of steep hill; bronze tablet set in rock ledge, stamped "3,921 1914-21"-----	3,924.472
Semaphore 3685, top of concrete foundation; at northwest corner----	3,880.94
Cameron, 150 feet south of station, on west side of track, close to fence; iron post stamped "3,790 B 1902-22"-----	3,793.254
Semaphore 3710, top of foundation; at southeast corner-----	3,763.76
Semaphore 3720, top of foundation; at foot of ladder-----	3,690.62
LaRose road crossing, 1,000 feet east of, 800 feet west of milepost 373, 80 feet east of track; iron post stamped "3,586 B 1902-23"-----	3,589.176
Semaphore 3736, top of concrete foundation; northeast corner----	3,505.04
Semaphore 3751, top of concrete foundation; southwest corner-----	3,376.65
Mojave, 4.7 miles north of, west side of track, 800 feet north of milepost 376; iron post stamped "3,272 B 1902-23"-----	3,274.178
Station 338+93, 100 feet north of, 28 feet south of road crossing, 42 feet north of railroad crossing (Los Angeles Aqueduct bridge), in telegraph pole marked "3,162.566;" spike-----	3,164.82
Mojave, 4. miles northeast of, 80 feet east of railroad, 10 feet east of point where road crosses aqueduct, in top of Los Angeles Aqueduct; bronze tablet stamped "3,162 1914-B"-----	3,163.918
Mojave, 2.7 miles north of, 800 feet north of milepost 378, on west side of railroad; iron post stamped "3,030 B 1902-25"-----	3,032.774

	Feet
Semaphore 3788, top of foundation; southeast corner-----	2, 925. 96
Semaphore 3798, top of foundation; southeast corner-----	2, 829. 52
Mojave, on switch; top of bolthead-----	2, 757. 33
Mojave, 0.4 mile south of, west side of track; iron post stamped "2,732 B 1902-26"-----	2, 733. 750
semaphore 3826, top of concrete foundation; southeast corner----	2, 675. 12
Mojave, 3.5 miles south of, 800 feet north of milepost 384, west side of railroad; iron post stamped "2,639 B 1902-27"-----	2, 641. 670

**Precise leveling along the Los Angeles Aqueduct by the Aqueduct Commission
in 1907, adjusted by the U. S. Geological Survey in 1922**

Old Dixie stage station, 1.3 miles southwest of, 10 feet west of road in bottom of wash, half a mile south of Harmon's L line station 99+00; standard U. S. G. S. pipe No. 60, stamped "L. A. A. 60" and elevation on side of cap-----	3, 282. 463
---	-------------

From Red Rock summit to end of Bayley's division

Harmon's and Bayley's L line station 0+00, on knoll 200 feet southeast of, at Red Rock summit; standard L. A. A. pipe No. 61, marked with red, white, and blue flag-----	3, 350. 673
Bayley's L line station 118+00, 250 feet southeast of, 150 feet north- east of stage road; standard L. A. A. pipe No. 62, marked with red, white, and blue flag-----	3, 320. 907
Bayley's X line station 253+00, 100 feet east of, about 1,500 feet south of San Antonio mine road; standard L. A. A. pipe No. 63, marked with red, white, and blue flag-----	3, 310. 770
Bayley's X line station 365+00, 100 feet west of, 60 feet north of old San Bernardino road; standard L. A. A. pipe, marked with red, white, and blue flag-----	3, 300. 416
Bayley's X line station 518+50, 200 feet east of, on mesa north of Sugar Loaf Park; standard L. A. A. pipe No. 65, marked with red, white, and blue flag-----	3, 285. 953
Bayley's X line station 3+05, 25 feet east of, on mesa north of Jawbone siphon; standard L. A. A. pipe No. 66, marked with red, white, and blue flag-----	3, 264. 295
Bayley's T line station 656+00, about 375 feet east of, near top of hill south side Jawbone Canyon, at end of siphon; brass plug in rock, printed L. A. A. B. M. No. 67, marked with red, white, and blue flag-----	3, 240. 139
Bayley's X line station 718+00, 150 feet east of, across draw on hill- side; standard L. A. A. pipe No. 68, marked with red, white, and blue flag-----	3, 237. 838
Bayley's T line station 758+26, 200 feet west of, on line produced north side Water Canyon, above small cottonwood trees; standard L. A. A. pipe No. 69, marked with red, white, and blue flag-----	3, 253. 888
Bayley's H line station 21+82, 200 feet east of, across canyon, in right branch S. B. Canyon, just above rock gorge; standard L. A. A. pipe No. 70, marked with red, white, and blue flag-----	3, 204. 183
Bayley's H line station 32.90, 30 feet south of, on small ridge south side left branch S. B. Canyon; iron stake driven in soft rock No. 71, marked with red, white, and blue flag. Elevation marked on wood stake-----	3, 216. 816

Feet

Bayley's Z line station 198+80, 20 feet north of, on small ridge south side of "Z" Canyon, 100 feet southeast of cottonwood tree; standard L. A. A. pipe No. 72, marked with red, white, and blue flag-----	3, 216. 430
Bayley's I line station 21+66, 100 feet southwest of, on south side of Coyote Canyon; standard L. A. A. pipe No. 73, marked with red, white, and blue flag-----	3, 216. 005
Bayley's P line station 901+00, 150 feet west of, on ridge north side of Pine Canyon, near entrance of siphon; standard L. A. A. pipe No. 74, marked with red, white, and blue flag-----	3, 225. 928
Bayley's P. C. line station 15+48, 150 feet east of, across small canyon on rocky point, near south side of Pierce Canyon; standard L. A. A. pipe No. 75-----	3, 230. 227
Bayley's P. D. line station 15+00, 100 feet south of, on rocky ridge across canyon, in first deep canyon south of Pine Canyon; standard L. A. A. pipe No 76, marked with red, white, and blue flag-----	3, 185. 756
Bayley's P. E. line station 8+00, 50 feet south of, on rocky ridge, in second deep canyon south of Pine Canyon; standard L. A. A. pipe No. 77, marked with red, white, and blue flag-----	3, 218. 224
Bayley's T line station 1106+00, 15 feet east of, on ridge north side of deep wash west of Nine Mile Camp; standard L. A. A. pipe No. 78, marked with red, white, and blue flag-----	3, 177. 525
Bayley's T line station 1181+58, 10 feet west of, 60 feet east of Kellar's station 0+00 where grade enters the plains; standard L. A. A. pipe No. 79, marked with red, white, and blue flag-----	3, 164. 105
Kellar's located line station 157+75, 175 feet west of; standard L. A. A. pipe No. 80, marked with red, white, and blue flag-----	3. 180. 058

From Pinto Hills to Elizabeth Tunnel

Kellar's located line station 251-00, 200 feet west of, north of Mojave; standard L. A. A. pipe No. 81, marked with red, white, and blue flag-----	3, 177. 594
Kellar's L line station 341-00, 110 feet west of, 300 feet west of Southern Pacific R. R. northwest of Mojave; standard L. A. A. pipe No. 82, marked with red, white, and blue flag-----	3, 165. 998
Kellar's L line station 510-00, 200 feet northwest of, north side of Antelope Valley; standard L. A. A. pipe No. 83, marked with red, white, and blue flag-----	3, 170. 229
Kellar's L line station 680-00, 200 feet northwest of, north side of Antelope Valley; standard L. A. A. pipe No. 84, marked with red, white, and blue flag-----	3, 155. 445

WHITE RIVER QUADRANGLE

[Latitude 35° 30'-36°; longitude 118° 30'-119°]

KERN AND TULARE COUNTIES

Primary leveling by L. D. Ryus in 1903 and by C. H. Semper in 1905

At Oil triangulation station

Feet

Oil triangulation station, sec. 7, T. 28 S., R. 28 E.; tablet marking station, stamped "1205"-----	1, 205. 588
--	-------------

From sec. 18, T. 28 S., R. 28 E., north along highway via Mon Canyon and Granite Canyon to point 2.4 miles north of Poso Creek stage station	
	Feet
Poso Creek stage station, 0.2 mile east of, sec. 4, T. 28 S., R. 28 E., 300 feet east of water trough, 30 feet south of road at point where road enters creek bottom, 200 feet west of head of old canal; iron post stamped "633 B"-----	633.176
T. 27 S., R. 28 E., sec. 22, at fork of Granite Canyon, 2.4 miles north of Poso Creek, 20 feet west of bank; iron post stamped "884 B"---	884.126
At Havilah	
Havilah, Havilah Commercial Co.'s building, north end, front face; aluminum tablet stamped "3160 G 1905 15 S"-----	3,164.002