

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

THIRD-ORDER LEVELING  
Sea Level Datum of 1929

ORACLE QUADRANGLE  
ARIZONA 94  
N3230-W11045/15

Pima and Pinal counties

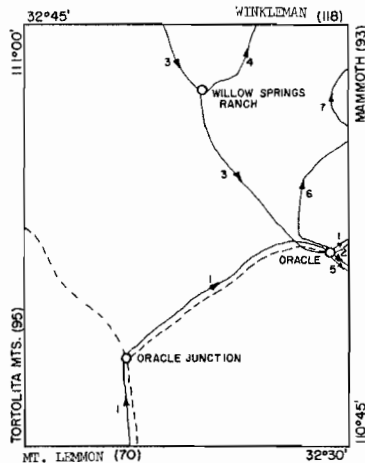
Edition of 5/3/67

Only the standard tablets  
are listed for lines run  
more than 25 years before  
the edition date.

USGS

CGS

CGS LIST 32 110 4



Index to Permanent Marks

Marks	Line No.
GWM 25 1946 4185	6
GWM 26 1946 3877	6
GWM 28 1946 3691	7
3690 B 1909 7	3, 4
3702 USGS BM 8	3
4164 B 1909 9	3
3180 B 1909 10	4
4572.780 A 19 1933 (USC&GS)	5, 6
3206 NOGLS	1
3399 NOGLS (Destroyed)	1
3676 NOGLS	1
4040 NOGLS	1
4502 NOGLS	1,3,5

(1) FROM MT. LEMON QUADRANGLE (70) NORTH ALONG U.S. HIGHWAY 80 AND 89 TO ORACLE JUNCTION (formerly Walnut Well) THENCE NORTHEAST ALONG STATE HIGHWAY 77 VIA ORACLE INTO MAMMOTH QUADRANGLE (93) (by M.S. Bright, 1904; Book A 5124)

13.7 mi. SW. along State Highway 77 and U.S. Highway 80 from Oracle, Pinal County, 2 mi. S. of Oracle Junction, 1 mi. N. of the Pima-Pinal county line, 395 ft. SW. of highway and drain crossing on the S. end of a ridge and 540 ft. SW. of BM "H 19"; iron post with bronze cap stamped "3206 NOGLS" 3217.923

Oracle Junction (formerly Walnut Well), 1.2 mi. N. of; in junction of Tucson-Dudleyville and Tucson-Oracle Rds.; standard iron post with bronze cap stamped "3399 NOGLS" (Destroyed) 3410.715

Oracle Junction, 4.2 mi. NE. of; at N. side of wash; near SE. cor. of Sec. 3, T. 10 S., R. 14 E.; in granite boulder outcrop; aluminum tablet stamped "3676 NOGLS" 3687.747

Oracle Junction, 7.5 mi. NE. of; on N. spur of ridge; 20 ft. N. of rd. junction; 4 ft. higher than ground in conspicuous granite outcrop; aluminum tablet stamped "4040 NOGLS" 4051.391

Oracle, 25 ft. NW. of NW. corner of post office; 6 ft. N. of pole; 4 ft. N. of gate; standard iron post with bronze cap stamped "4502 NOGLS" (Recovered by USC&GS, 1933) (Reported not found, 1943) 4513.416

(2) FROM ORACLE SOUTHEAST ALONG MT. LEMON ROAD INTO MAMMOTH QUADRANGLE (93) (by M.S. Bright, 1904; Book A 5124)

No permanent bench marks in this quadrangle.

(3) FROM WINKELMAN QUADRANGLE (118) SOUTHEAST ALONG ROAD TO WILLOW SPRINGS RANCH THENCE SOUTHEAST ALONG ROAD TO ORACLE (by L.F. Biggs, 1909; Book A 8055)

Willow Springs Ranch, at N. bank of wash; 300 ft. W. of windmill; 30 ft. S. of rd.; in boulder; aluminum tablet stamped "3690 B 1909 7" 3690.624

Oracle, 7 mi. NW. of; 1.2 mi. S. of Camp Grant wash; 500 ft. W. of ravine; 10 ft. W. of rd.; in boulder buried flush with ground; copper bolt stamped "3702 USGS BM 8" (Not Found) 3703.103

Oracle, 2.6 mi. NW. of; approximately 1200 ft. NW. of junction of State Highway 77 and dirt rd.; approximately 350 ft. N. of dirt rd. between a drain and a very faint old rd., in a boulder; aluminum tablet stamped "4164 B 1909 9" 4164.667

Oracle, 1.8 mi. W. of along State Highway 77; 120 ft. S. of center of highway; in W. base of prominent mesquite tree and 6 inches above ground; copper nail and washer (Recovered by USC&GS, 1933) 4290.903

Oracle, 25 ft. NW. of NW. corner of post office; standard iron post with bronze cap stamped "4502 NOGLS" (Described in Line 1) 4513.416

(4) FROM WILLOW SPRINGS RANCH NORTHEAST ALONG CAMP GRANT WASH INTO WINKELMAN QUADRANGLE (118) (by L.F. Biggs, 1909; Book A 8055)

Willow Springs Ranch, 300 ft. W. of windmill; aluminum tablet stamped "3690 B 1909 7" (Described in Line 3) 3690.624

Willow Springs Ranch, 5.6 mi. NE. of; on S. edge of rd.; 200 ft. S. of point where rd. crosses wash; in red stone boulder; aluminum tablet stamped "3180 B 1909 10" (Not Found) 3180.8\*

\* Those bench marks having published elevations to tenths of feet only do not meet present standards for third order control.

(5) FROM ORACLE SOUTHEAST ALONG MT. LEMON ROAD INTO MAMMOTH QUADRANGLE (93) (by G.W. Moore, 1946; Book V 237a)

Oracle, 25 ft. NW. of NW. corner of post office; standard iron post with bronze cap stamped "4502 NOGLS" (Described in Line 1) 4513.46

"4512.780 A 19 1933" (USC&GS) 4512.691

Oracle, 1.2 mi. SE. of post office; at rock outcrop between two drains; 21 ft. N. of rd.; on boulder; chiseled square 4533.65

(6) FROM ORACLE NORTHEAST ALONG ROAD INTO MAMMOTH QUADRANGLE (93) (by G.W. Moore, 1946; Book V 237a)

"4512.780 A 19 1933" (USC&GS) 4512.691

Oracle, 1.1 mi. N. of; 15 ft. W. of rd.; in bole on N. side of 22-inch mesquite tree; copper nail and washer 4343.56

Oracle, 2.1 mi. N. of; 48 ft. E. of rd. from gate; on N. side of fence; in concrete post; standard tablet stamped "GWM 25 1946 4185" 4184.483

Reference mark, 100 ft. NW. of tablet; 30 ft. NE. of rd.; in base on SW. side of 12-inch catclaw tree; copper nail and washer 4181.86

Oracle, 3.1 mi. N. of; 8 ft. NE. of rd.; 2 ft. higher than rd.; along bed of Tucson Wash; on boulder; chiseled square 4031.90

Oracle, 4.1 mi. N. of; 44 ft. NW. of rd. in drain, 0.2 mi. NE. of house; 5 ft. higher than rd.; in concrete post; standard tablet stamped "GWM 26 1946 3877" 3876.891

Reference mark, 50 ft. SW. of post; 37 ft. NW. of rd. up Tucson Wash; 4 ft. higher than rd.; on large boulder; chiseled square 3876.70

Oracle, 5.1 mi. N. of; 19 ft. W. of rd.; at edge of Tucson Wash; on boulder; chiseled square 3743.94

(7) FROM MAMMOTH QUADRANGLE (93) NORTH ALONG ROAD AND NORTHEAST BACK INTO MAMMOTH QUADRANGLE (93) (by G.W. Moore, 1946; Book V 237a)

Oracle, 7.2 mi. N. of; 485 ft. N. of point where rd. leaves draw; 37 ft. E. of fence; 25 ft. E. of trail; on rock outcrop; standard tablet stamped "GWM 28 1946 3691" 3690.388

Reference mark, 211 ft. N. of post; 20 ft. E. of fence; 9 ft. W. of trail; on rock outcrop; chiseled square 3696.12

Oracle, 8.2 mi. N. of; 27 ft. W. of fence; on rock outcrop; chiseled square 3854.70

Oracle, 9.2 mi. N. of; on E. side of draw at point of ridge; at N. edge of cow trail; on rock outcrop; chiseled square 3964.21

FILE COPY