

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FILE COPY

AJO QUADRANGLE
ARIZONA 78
N3215-W11245/15

THIRD-ORDER LEVELING
Sea Level Datum of 1929

PIMA COUNTY

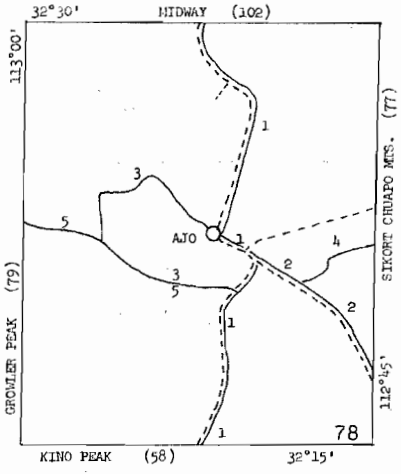
edition of 1/20/60

Only the permanent tablets are listed for lines run more than 2 years before the above edition date.

USGS

C&GS

C&GS List 32-112-3



Index to Permanent Marks

Marks	Line No.
L 109 (USC&GS)	5
F 12 (C&GS Tie)	1
F 13 (C&GS Tie)	1
F 14 (C&GS Tie)	1
F 15 (C&GS Tie)	1, 3
R 16	1
R 17 (C&GS Tie)	1
R 18 (C&GS Tie)	1
R 27 (C&GS Tie)	2
R 28 (C&GS Tie)	2, 4
R 29	2
F 30	3
F 31	3
F 32	3
M 33	3, 5
R 34	3, 5
R 36	4
S W C 23 N W C 24 SEC 7 and N E C 6	1
S W C EX A N W C EX D	1
USMC 3488 4 M F L W R 4	1
2 C R 4 2 C R 5 3 C R 6 and 3 C R 7	1
20 LC	5
21 LC	5
22 LC	5

- (1) FROM MIDWAY QUADRANGLE (102) SOUTH ALONG TUCSON CORNELIA & GILA BEND RAILROAD TO AJO THENCE SOUTH ALONG ROAD VIA DARBY WELL INTO KINO PEAK QUADRANGLE (58) (by J.G. Ransom, 1930; Book: B 4054)
- Ajo, 7.6 mi. N. of station along Tucson Cornelia & Gila Bend Railroad; 54 ft. NE. of milepost 39; 0.1 mi. NW. of wooden bridge 361; 41 ft. SW. of SW. rail; in concrete post; standard tablet stamped "R 12 1930" (Recovered by USC&GS, 1953) 1381.615
- Ajo, 4.7 mi. N. of station along Tucson Cornelia & Gila Bend Railroad; 0.1 mi. N. of milepost 39; 159 ft. SE. of 4 ft. metal tank; 137 ft. SE. of sign "STATION 1 MILE"; 58 ft. E. of E. rail; 26 ft. E. of dirt rd.; 9 ft. S. of power pole; in line with row of poles; in concrete post; standard tablet stamped "R 13 1930" (Recovered by USC&GS, 1953) (32-112-3, Line 102) 1471.628
- Ajo, 1.8 mi. N. of station along Tucson Cornelia & Gila Bend Railroad; 176 ft. E. of E. rail; 48 ft. S. of power line pole 39; 33 ft. E. of center of dirt rd.; in W. side of W. concrete pier of The Westerly Pipe Line; standard tablet stamped "R 14 1930" (Recovered by USC&GS, 1953) 1640.085
- Ajo, 0.2 mi. SE. of station along Tucson Cornelia & Gila Bend Railroad; 139 ft. S. of center of State Highway and concrete culvert; 71 ft. NW. of center of gate in fence around copper mill; 32 ft. NE. of NE. rail; in NW. end of NE. concrete culvert head wall; standard tablet stamped "R 15 1930" (Recovered by USC&GS, 1953) (32-112-3) 1750.351
- Clarkston, 1.9 mi. SE. of; 2.3 mi. SE. of station at Ajo; 0.6 mi. S. of rd. junction; 5 ft. S. of rd.; top of center screw of U.S. Mineral Survey plate on top of iron pipe; stamped USGS 3488 4 M F L W R 4" 1743.640
- Clarkston, 2.5 mi. S. of; 10 ft. N. of customs sign in rd. fork; in concrete post; standard tablet stamped "R 16 1930" (Reported not found USC&GS, 1952) 1773.059

- Clarkston, 3 mi. S. of; about 400 ft. S. of large prospect workings; 260 ft. N. of "HOTEL LYONS" sign board; 90 ft. E. of rd.; 3 ft. S. of 4 x 4 in. post; U.S. Mineral Survey post No. 3881; stamped on edges of square tablet "2 C R 4 2 C R 5 3 C R 6 and 3 C R 7" 1796.184
- Darby Well, 1.8 mi. S. of; 60 ft. S. of rd. intersection; 8 ft. E. of old rd.; in concrete post; standard tablet stamped "R 17 1930" (C&GS tie 32-112-3) 1813.103
- Darby Well, 3.4 mi. S. of; at W. edge of old rd.; in pile of white rocks; tablet on iron pipe stamped "S W C 23 N W C 24 SEC 7 and N E C 6" (Destroyed) 1748.017
- Darby Well, 3.6 mi. S. of; 5 ft. W. of old rd.; in pile of white rocks; tablet on iron pipe stamped "S W C EX A N W C EX D" (C&GS 32-112-3, Line 101) 1738.537
- Darby Well, 4.5 mi. S. of; 29 ft. NW. of new rd.; 12 ft. SE. of old rd.; in concrete post; standard tablet stamped "R 18 1930" (C&GS tie) 1696.224
- (2) FROM SIKORT CHUAPO MTS. QUADRANGLE (77) NORTHWEST ALONG ROAD TO POINT 1.3 MILES SOUTHEAST OF CLARKSTON (by J.G. Ransom, 1930; Book: B 4054)
- Clarkston, 8.1 mi. SE. of; 257 ft. NW. of center of dip in highway; 44 ft. SW. of highway; in concrete post; standard tablet stamped "R 27 1930" (C&GS Tie, Line 101) 1742.293
- Clarkston, 5 mi. SE. of; at small bridge with iron railing; 12 ft. SW. of highway; in S. end of SE. abutment; standard tablet stamped "R 28 1930" (C&GS tie, Line 101) 1626.427
- Clarkston, 3.1 mi. SE. of; 290 ft. SE. of intersection of rd. to Childs Well; in NE. head wall of highway culvert; standard tablet stamped "R 29 1930" (Reported not found USC&GS, 1954) 1674.157
- (3) FROM AJO NORTHWEST ALONG ROAD THENCE SOUTHWEST TO DARBY WELL (by J.G. Ransom, 1930; Book: B 4054)
- Ajo, 0.2 mi. SE. of; standard tablet stamped "R 15 1930" (Described in Line 1) 1750.351
- Gibson, 2 mi. W. of; 150 ft. SE. of intersection of old rd. to W.; 15 ft. NE. of rd.; in concrete post; standard tablet stamped "R 30 1930" (Not Found) 1674.389
- Gibson, 5 mi. W. of; 60 ft. N. of 4 x 4 in. post which is corner of mining claims; 30 ft. S. of rd.; in concrete post; standard tablet stamped "R 31 1930" 1615.057
- Gibson, 8 mi. W. of; 15 ft. S. of rd.; in concrete post; standard tablet stamped "R 32 1930" 1702.626
- Darby Well, 3.8 mi. W. of; 11 mi. W. of Gibson; on point of ridge; 40 ft. N. of rd.; in concrete post; standard tablet stamped "R 33 1930" (Line 5) 1993.020
- Darby Well, 1.4 mi. W. of; 3 mi. S. of Ajo; in triangle formed by intersection of rds.; 30 ft. E. of "ROAD CLOSED" sign; in concrete post; standard tablet stamped "R 34 1930" (Line 5) 1890.192
- (4) FROM POINT 3.1 MILES SOUTHEAST OF CLARKSTON NORTHEAST ALONG ROAD INTO SIKORT CHUAPO MTS. QUADRANGLE (77) (by J.G. Ransom, 1930; Book: B 4055)
- Clarkston, 3.1 mi. SE. of; standard tablet stamped "R 29 1930" (Described in Line 2) 1674.157
- Childs Ranch, 1.5 mi. NE. of; 25 ft. S. of rd.; in concrete post; standard tablet stamped "R 36 1930" (Destroyed) 1611.611
- (5) FROM A POINT 2 MILES SOUTH OF AJO AT DARBY WELL NORTHWEST ALONG ROAD INTO EAST EDGE OF GROWLER PEAK QUADRANGLE (79) (by L.R. Curtis, 1961; Book: PV 444)
- "D 109 1935" (USC&GS) 1800.338
- Darby Well, 1 mi. W. of along gravel rd. to Y-rd., 50 ft. W. of "Y", 20 ft. N., center of main rd., buried rock; chiseled square 1858.828
- Ajo, 2.7 mi. SE. of along State Highway 85, thence S. 1.7 mi. to a T-junction at Darby Well, thence W. along gravel rd., 1.6 mi. to a Y-rd. fork, in triangle 30 ft. N. and 3 ft. higher than center of main rd., concrete post; standard tablet stamped "R 34 1930" (Line 3) 1890.192
- Reference mark, 215 ft. E. of tablet, 30 ft. S. and 2 ft. higher than center of rd., buried rock; chiseled square 1885.450
- Y-rd. fork, ground 1908.049
- 1.42 mi. W. of EM "R 34 1930", at a T-junction N., 58 ft. SE. center of junction; point of buried rock 1978.846
- Ajo, 2.7 mi. SE. of along State Highway 85, thence 1.7 mi. S. to a T-junction at Darby Well, thence westerly 4.2 mi. along gravel and dirt rd. to the top of a small ridge, 40 ft. N. of rd. near end of ridge, concrete post; standard tablet stamped "R 33 1930" (Line 3) 1993.020

NSF WW 12/87

OK EEM 4/88

OK WW 1/88

9/21/88 EEM 4/88

OK EEM 4/88

OK WW 12/87

NSF WW 1/88

OK WW 1/88

9/21/88 EEM 4/88

OK WW 1/88

Reference mark, 62 ft. S. of tablet, S. side of rd., 4 x 4 post; copper nail and washer

GENE W 1/48
1994.452

0.76 mi. W. of BM "33 1930" to a Y-rd. to "85 MINE", 50 ft. W. of junction, 19 ft. S., center of main rd., cement filled stove pipe; copper nail and washer

GENE W 1/48
1905.830

Note: From this point this line was run by Third-Order methods but closure was 0.256 ft. high in a distance of 19.39 miles. The closure error has been prorated in the line. (From mileage 4.93 on to end of line at 23.56).

Ajo, 2.7 mi. SE. of along State Highway 85, thence SE. 1.7 mi. to a T-junction at Darby Well, thence 5.90 mi. westerly along dirt rd. to the W. bank of a deep wash, 150 ft. N. of the game refuge sign, 30 ft. W. and 1 ft. higher than center of rd., concrete post; standard tablet stamped "20 LC 1961 1844"

OK W 1/48
1843.828

Reference mark, 147 ft. NE. of tablet, 11 ft. NW., center of side rd., cement filled stove pipe; copper nail and washer

1846.090 GENE W 1/48

0.37 mi. W. of BM "20 LC" to a Y-rd., NW. to Gibson, 60 ft. W. of junction, 18 ft. N., center of rd. W., cement filled stove pipe; copper nail and washer

1763.818 GENE W 1/48

1.42 mi. W. of BM "20 LC", to a large wash, in wash, 27 ft. E. and 2 ft. higher than rd., rock outcropping; chiseled square

NSF
1685.312

Ajo, 2.7 mi. SE. of along State Highway 85, thence S. 1.7 mi. to a T-junction at Darby Well, thence westerly on gravel and dirt rd., 7.86 mi. on a low ridge between two small drains, 50 ft. NW. of drain, 18 ft. S. and 2 ft. higher than center of rd., concrete post; standard tablet stamped "21 LC 1961 1650"

1649.892

Reference mark, 92 ft. E. of tablet, 25 ft. N. of rd., cement filled stove pipe; copper nail and washer

1650.199

0.90 mi. W. of BM "21 LC", at trail junction 16 ft. N. and 1 ft. higher than center of rd., cement filled stove pipe; copper nail and washer

1571.893

Ajo Post Office, 2.7 mi. SE. of along State Highway 85, thence S. 1.7 mi. to a rd. junction at Darby Well, thence 9.7 mi. westerly along gravel and dirt rd. to a flat area N. of a long low ridge, 138 ft. W. of a small wash crossing, 16 ft. S. and 1 ft. higher than center of rd., concrete post; standard tablet stamped "22 LC 1961 1514"

1513.834

Reference mark, 109 ft. NE. of tablet, 30 ft. N. and 3 ft. higher than center of rd., cement filled stove pipe; copper nail and washer

1513.930

0.90 ft. W. of BM "22 LC" at an island in rd. formed by short detour, 12 ft. S., center of rd., cement filled stove pipe; copper nail and washer

1454.233