

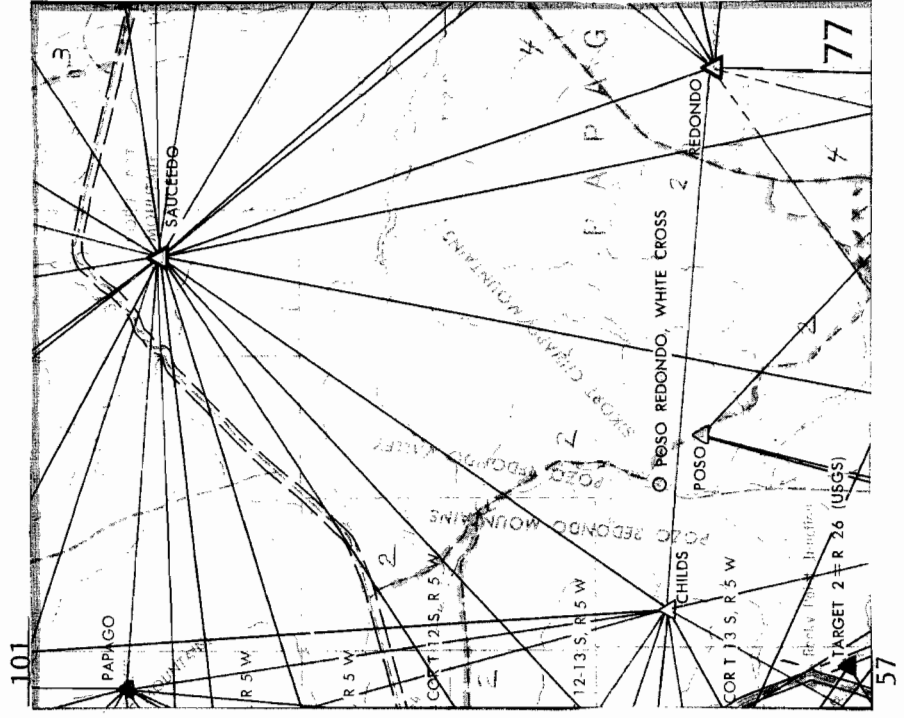
SIKORT CHUAPO MTS.

Lat. 32°15'  
Long. 112°30'

# ARIZONA 77

C. & G. S. 32 112 3 114

- (1) J.G. Ransom 1930 B 4054
- (2) J.G. Ransom 1931 B 4055
- (3) R.R. Moore 1962 PV 444
- (3) G.W. Moore 1948 PV 48
- (4) L.R. Curtis 1961 PV 444



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

FILE COPY

SIKORT CHUAPO MTS. QUADRANGLE  
ARIZONA 77  
N3215-W11230/15

THIRD-ORDER LEVELING  
Sea Level Datum of 1929

PIMA COUNTY

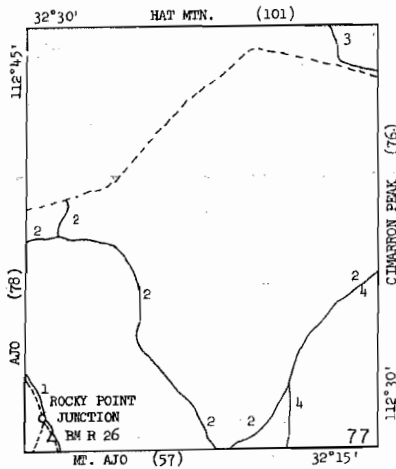
Edition of 8/2/66

Only the standard 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.
G 336 (USC&GS)	2
"POZO"	2
R 26 (C&GS Tie)	1
R 37	2
R 38	2
R 39	2
R 40	2
R 41	2
R 42	2
R 43	2
R 44	2
"TARGET NO 2" (C&GS)	1
4 LC	2, 4
5 LC	4
6 LC	4
7 LC	4
29 RRM	2
30 RRM	2
31 RRM	2
50 GWM	3
51 GWM	3

(1) FROM MT AJO QUADRANGLE (57) NORTH AND NORTHWEST ALONG ROADS INTO AJO QUADRANGLE (78) (by J.G. Ransom, 1930; Book: B 4054)

Ajo, 11.7 mi. SE. of along State Highway 86, at junction of old Sonoyta-Ajo Highway, 176 ft. SW. of center of State Highway 86, 26 ft. SE. of old highway, 4 ft. SE. of a cast iron post, in concrete post; standard tablet stamped "R 26 1930" (Recovered by C&GS, 1953)

Triangulation station "TARGET NO 2" (C&GS)  
Latitude: 32°15'25.8" Longitude: 112°44'00.93" (Bull. 224)

(2) FROM AJO QUADRANGLE (78) SOUTHEAST ALONG ROAD JOGGING INTO MT. AJO QUADRANGLE (57) THENCE NORTHEAST INTO CIMARRON PEAK QUADRANGLE (76) (by J.G. Ransom, 1931, and R.R. Moore, 1962; Books: B 4055, PV 444)

"G 336 1961" (USC&GS)

0.97 mi. S. of EM "G 336", 100 ft. S. of E-W wash, middle of large mesquite grove, buried boulder; chiseled square

Childs Ranch, 3 mi. NE. of, 50 ft. SE. of center of dim rd., buried boulder; chiseled square

Childs Ranch, 7.4 mi. NE. of, 15 ft. N. of rd., in concrete post; standard tablet stamped "R 37 1930"

1.03 mi. E. of EM "R 37", 30 ft. N. of center of dim rd., 25 ft. S. of drainage ditch, buried boulder; chiseled square

Childs Ranch, 6.2 mi. NE. of, 18 ft. S. and 2 ft. higher than center of rd., 21 ft. W. of drain, 100 ft. S. of large palo verde tree, concrete post projecting 4 in.; standard tablet stamped "29 RRM 1962 1767"

Reference mark

0.84 mi. NE. of EM "29 RRM", top of square headed bolt projecting 1.5 in., at base of windmill pump

OK  
SD  
3/4/66

1800.016

1699.885

1670.811

1682.035

1703.250

1740.440

1767.036

1766.094

1796.117

1803.915

1806.561

1827.611

1826.756

1845.350

1868.424

1867.960

1871.701

1890.804

1904.080

Childs Ranch, 7.4 mi. NE. of, 3.5 mi. N. of Pozo Redondo, 15 ft. E. of rd., in concrete post; standard tablet stamped "R 38 1930" (Destroyed, 1962)

0.45 mi. from windmill, 1.29 mi. NE. of EM "29 RRM", 100 ft. W. of gate at Indian reservation fence

Childs Ranch, 8.3 mi. NE. of, 24 ft. E. and 1 ft. higher than center of rd., 40 ft. E. of mesquite bush, concrete post projecting 3 in.; standard tablet stamped "30 RRM 1962"

Reference mark, 91 ft. W. of tablet, buried boulder; chiseled square

0.53 mi. S. of EM "30 RRM", 70 ft. W. of large wash, buried boulder; chiseled square

Sikort Chuapo, 1.39 mi. N. of, 20 ft. E. of dim rd., 25 ft. S. of low mesquite bush, concrete post projecting 4 in.; standard tablet stamped "31 RRM 1962 1868"

Reference mark, 53 ft. N. of tablet, 6 ft. E. of rd., buried boulder; chiseled square

Sikort Chuapo, 1.1 mi. N. of, 15 ft. E. of rd., on 4 x 4 post (Not copper nail and washer) (Old post by Ransom, 1930)

0.96 mi. S. of EM "31 RRM 1962", 20 ft. E. of rd., buried boulder; chiseled square

Sikort Chuapo, 275 ft. S. of church, in intersection of rds., in concrete post; standard tablet stamped "R 39 1930"

Standard azimuth tablet stamped "POZO 1935" projecting 4 in. above ground; (described in Special Publication 224, Arizona, page 141)

1 mi. S. of Pozo Azimuth Mark, 20 ft. N. of small wash, buried boulder; chiseled square

Sikort Chuapo, 2.9 mi. S. of, 10 ft. W. of rd., in concrete post; standard tablet stamped "R 40 1930"

1.04 mi. S. of EM "R 40 1930", 12 ft. E. of and 1 ft. higher than center of rd., buried boulder; chiseled square

Charco de la Pietra, 0.7 mi. W. of, 5.6 mi. S. of Pozo Redondo, 100 ft. SE. of rd. intersection, at point of rocky outcrop, in lava outcrop; standard tablet stamped "R 41 1930"

Reference mark, 28 ft. N. of EM "R 41 1930", in large rock; chiseled square

1.01 mi. NE. of SEM at Y-rd. junction, 30 ft. S. from center of dim rd., 290 ft. N. of two large twin cactus, buried rock; chiseled square

Charco de la Pietra, 2 mi. NE. of, 100 ft. W. of rd., 3 ft. above ground, in large boulder S. of high boulders; standard tablet stamped "R 42 1930"

Reference mark

0.92 mi. NE. of EM "R 42 1930", 10 ft. S. from center of dim rd., 80 ft. E. of drain, 110 ft. W. of lone large cactus, top of Ransom's old 4 x 4 post

Charco de la Pietra, 5 mi. NE. of, on top of small ridge, 15 ft. E. of rd., in concrete post; standard tablet stamped "R 43 1930"

Charco de la Pietra, 8 mi. NE. of, 15 ft. E. of rd., in concrete post; standard tablet stamped "R 44 1930"

New Description: Hickman Rd. Junction, 3.8 mi. SW. to a drain crossing rd., thence 0.6 mi. NW. cross-country at right angles from highway, 40 ft. W. of a small drain, in concrete post projecting 12 in. above ground; standard tablet stamped "R 44 1930"

\* "4 LC 1961" (Line 4)

(3) FROM CIMARRON PEAK QUADRANGLE (76) WEST AND NORTH ALONG ROAD INTO THE HAT MTN. QUADRANGLE (101) (by G.W. Moore, 1948; Book: PV 48)

Enika, 2.2 mi. N. thence 1 mi. W. from, 225 ft. W. of pipe line Milepost 59, 15 ft. S. of rd., in concrete post; iron rod

Enika, 2.2 mi. N. thence 2 mi. W. from, 30 ft. SW. of Milepost 60, 32 ft. S. and 58 ft. E. of Toapitk Crossroads, in concrete post; standard tablet stamped "50 GWM 1948 2379"

Reference mark, 132 ft. NW. of tablet, in concrete post; steel rod

Toapitk Crossroads, 1 mi. NW. of, 0.2 mi. NW. of rd. junction, 30 ft. NE. of rd., in concrete post; iron rod

Toapitk Crossroads, 2 mi. NW. of, 29 ft. E. of rd., in concrete post; standard tablet stamped "51 GWM 1948 2459"

Reference mark, 111 ft. N. of tablet, in concrete post; steel rod

NSF  
1803.915

1806.561 GFWF 8  
3/4/66

1827.611 OK SD  
3/4/66

1826.756 GFWF 8  
3/4/66

1845.350 NSF

OK SD-3/4/66  
1868.424

GFWF SD 3/4/66  
1867.960

1871.701

GFWF SD 3/4/66  
1890.804

OK SD 3/4/66  
1904.080

1969.334 OK SD  
3/4/66

1998.195

2014.180 OK SD  
3/4/66

2022.429 GFWF  
SD 3/4/66

2070.856 OK SD  
4/4/66

2073.628 OK SD  
4/4/66

2104.053 GFWF  
SD 4/4/66

2150.392 OK SD  
4/4/66

2148.190

2180.322 GFWF  
SD 4/4/66

2204.357 OK SD  
4/4/66

2194.655 OK SD  
4/4/66

2176.715 GFWF  
SD 4/4/66

2356.76

OK SD 4/4/66

2379.501

2379.99 OK SD  
4/4/66

2417.5 GFWF  
SD 4/4/66

2458.854 OK SD

2459.49 OK SD  
4/4/66

(4) FROM THE NORTH EDGE OF MT. AJO QUADRANGLE (57) NORTHEAST INTO CIMARRON PEAK QUADRANGLE (76) TWO MILES WEST OF HICKIWAN (by L.R. Curtis, 1961, Book: PV 444)

0.95 mi. N. of BM "3 LC 1961", 70 ft. E. of prominent drain, 25 ft. E. and 5 ft. higher than center of gravel rd., large flat boulder in place; chiseled square

2151.446

SFNF SD. 4/88

Ajo, 22 mi. E. of along State Highway 86, to junction of gravel rd., thence 5 mi. N. to a curve at top of rise, 35 ft. W. and 2 ft. higher from center of rd., concrete post projecting 4 in.; standard tablet stamped "4 LC 1961 2177"

2176.715

SFNF SD. 4/88 9-1165

Reference mark, 68 ft. SE. of tablet and 4 ft. lower, rock in place; chiseled square

2172.605

0.82 mi. N. of BM "4 LC 1961", 30 ft. NW. of center of rd. and 1 ft. higher, 10 ft. E. of small dike, top of buried rock

2179.547

Ajo, 22 mi. E. of along State Highway 86 to junction of gravel rd., thence 7 mi. N. to prominent knoll on W. side of rd., about 300 ft. S. of large drain crossing, 32 ft. W. of center of rd., concrete post projecting 6 in.; standard tablet stamped "5 LC 1961 2205" (Destroyed)

2204.936

Reference mark, 70 ft. E. of tablet, 2 ft. S. of cairn, rock in place; chiseled square

2203.346

1.06 mi. N. of BM "5 LC 1961", to the P.I. of a curve opposite a long dark ridge, 50 ft. NW. of center of rd., buried boulder; chiseled square

2227.141

SFNF SD 4/88

Ajo, 22 mi. E. of along State Highway 86 to junction of gravel rd., thence 9 mi. N.E., 4.6 mi. SW. of Hickivan, 36 ft. SE. of center of rd., 15 ft. NE. of center of large bush, a concrete post projecting 4 in.; standard tablet stamped "6 LC 1961 2192"

2192.332

DEST. SD 4/88 9-1165

Reference mark, 93 ft. SW. of tablet, 40 ft. SE. of center of rd., buried rock; chiseled square

2193.069

SFNF SD. 4/88

0.8 mi. NE. of BM "6 LC 1961" to prominent overflow area, 55 ft. SE. of center of rd., and 1 ft. higher, buried boulder; chiseled square

2178.884

SFNF SD. 4/88

Ajo, 22 mi. E. of along State Highway 86 to junction of gravel rd., thence N. 10.8 mi. to small rise, 500 ft. SE. of drain crossing, (Hickivan 3 mi. SW. of), 55 ft. SE. and 4 ft. higher, center of rd., concrete post, projecting 5 in.; standard tablet stamped "7 LC 1961 2194"

2193.592

OK - SD. 4/88

Reference mark, 110 ft. W. of tablet, 40 ft. W. and 3 ft. higher, center of rd., rock in place; chiseled square

2192.601

SFNF SD 4/88

1.04 mi., NE. of BM "7 LC 1961", 45 ft. SE. of center of rd., buried rock; chiseled square

2189.957

Quad 76

REPORT ON PERMANENT SURVEY MARK

Department of the Interior  
U.S. Geological Survey  
Experimental Form 9-1165

State: Arizona County: Pima 15' Quadrangle No: 77  
Line No: 4 30' Quadrangle No: 321112  
7.5 Min. Quad Name: Gakolic Mtns. Project Quad: 46  
Designation: LISTED: 4 LC Type of Datum: Vertical  
                  Stamped: 4 LC 1961 2177  
Elevation: 663.464 meters/2176.715 feet Established by: USGS  
Nearest town: Ajo Distance from: 22 mi E of  
Condition: Not Found

Remarks: Area of description searched. Road construction in 1980 in the area probably destroyed the mark

Submitted by: S. G. Daniel  
Title: Carto Tech  
Agency: USGS

Recovery Date: April 1988

REPORT ON PERMANENT SURVEY MARK

Department of the Interior  
U.S. Geological Survey  
Experimental Form 9-1165

State: Arizona County: Pima 15' Quadrangle No: 77  
Line No: 4 30' Quadrangle No: 321112  
7.5 Min. Quad Name: Gakolic Mtns. Project Quad: 46  
Designation: LISTED: 6 LC Type of Datum: Vertical  
                  Stamped: 6 LC 1961 2192  
Elevation: 668.224 meters/2192.332 feet Established by: USGS  
Nearest town: Ajo Distance from: 22 mi E of  
Condition: Destroyed  
Remarks: The concrete post was found broken off and out of the ground. The disk was recovered

Submitted by: S. G. Daniel  
Title: Carto Tech  
Agency: USGS

Recovery Date: April 1988