

Indexed

(1)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the Survey of

Tract 37 in Section 23

Township 7 South, Range 16 West

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Clark Gumm, Cadastral Engineer

Under special instructions dated April 1, 1952, which provided
for the surveys included under Group No. 283, approved April 3, 1952
and assignment instructions dated April 4, 1952.

Survey commenced April 18, 1952.

Survey completed April 18, 1952.

4393
4393

112

BOOK 4393

INDEX DIAGRAM

Township 7 South, Range 16 West

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Handwritten annotations in the diagram:
- A diagonal line crosses the boundary between sections 22 and 23, and sections 26 and 27.
- The number '1' is written near section 22.
- The number '4' is written near section 23.
- The number '3' is written near section 24.
- The text 'TR 37' is written near section 27.

Survey of Tract 37 in T. 7 S., R. 16 W., Gila and Salt River Mer., Ariz.

Chains

Township 7 South, Range 16 West of the Gila and Salt River Meridian, Arizona, is within the Wellton-Mohawk Division of the Gila Project of the Bureau of Reclamation. The subdivisional lines of this township were originally surveyed by J. L. Harris, Deputy Surveyor, in 1878 as shown upon the plat approved April 1, 1878. The following field notes are those of the survey of an irregular tract of public land which is under the control of the Bureau of Reclamation. The authority for the survey of irregular tracts of irrigable land under the Reclamation Act is contained in the Act of June 27, 1906. The survey of this tract was requested by the Bureau of Reclamation.

In general, the original evidence of the official survey of 1878 in the irrigable areas has long since disappeared. The entire area has been resurveyed and remonumented by the Bureau of Reclamation. The field tablets of the survey parties of that bureau occasionally show that evidence of the original monumentation or accessories were found by them and accepted as the corner positions. These field tablets also indicate that corners established by local surveyors or earlier parties of the Bureau of Reclamation, whose field data are not now available, have been accepted as the corners. It cannot be determined at this date the basis on which these earlier corner re-establishments were made. It would appear that sufficient corners existed in 1926 to provide control for local and government surveyors as the Geological Survey maps of that date show that farming and irrigation were being carried on and that scattered corners were found. At the present time it is believed that the corner positions monumented by the Bureau of Reclamation represents the best available evidence of the original corners.

The actual mechanical surveying of the Bureau of Reclamation was found to be excellent. The distances between monuments were found to be measured with precision and the bearings (grid bearings) equally precise. The bearings used by the Bureau of Reclamation are based on the Western Arizona Grid System as described by the U. S. Coast and Geodetic Survey. The central meridian of this zone is 113° 45' west longitude and when the grid bearings were corrected to the true meridian at the survey location, they were found to agree closely with the astronomic bearings as determined by observations at that point.

The permanent monumentation of the Bureau of Reclamation is a hollow iron pipe (the later ones galvanized) with a brass cap of various sizes which bears the inscribed legend: "BUREAU OF RECLAMATION Penalty \$250 for Removal." The brass cap is also stamped to indicate the corner position represented and the corner markings conform to the practice of the Bureau of Land Management.

The survey was executed with light mountain solar transit made by W. and L. E. Gurley, serial number 38899, which was constructed in accordance with the standard specifications of the General Land Office.

The directions of all lines were determined by direct altitude observations on the sun for azimuth. When the grid bearings of the Bureau of Reclamation, corrected for convergency closely agreed with the observed bearings, the corrected values were used and all bearings given herein refer to the true meridian at the position of the tract. All measurements were made with a narrow steel tape, 5 chains in length, graduated every link for the first 100 links, and thereafter at intervals of 10 links. In the event the measurements of the Bureau of Reclamation and those obtained during this survey closely agree, the former converted into chains and links were used.

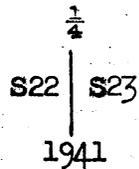
Survey of Tract 37 in Sec. 23, T. 7 S., R. 16 W.

From the $\frac{1}{4}$ sec. cor. of secs. 22 and 23, which is monumented with a B. R. (Bureau of Reclamation) iron post, 1 in. diam., set 8 ins. out of ground, and with brass cap mkd.

BOOK 4393

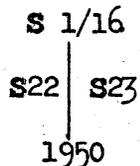
Survey of Tract 37 in Sec. 23, T. 7 S., R. 16 W.

Chains

S. 0° 31.6' E., bet. secs. 22 and 23 (S $\frac{1}{2}$)

Over gently rolling land.

20.215 The S 1/16 sec. cor. of secs. 22 and 23, which is monumented with a B. R. iron post, 1 in. diam., set 8 ins. out of ground, and with brass cap mkd.

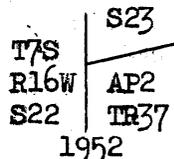


30.90 Top of large dike, bears WNW. and ESE.

37.977 Center line of Southern Pacific R. R. track, bears S. 74° 57.5' W. and N. 74° 57.5' E.

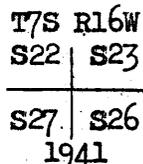
40.325 Right-of-way line of R. R. (150 ft. from center line of track) and point for angle point 2 of Tract 37.

Set a B. R. iron post, 3 ft. long, 1 in. diam., 28 ins. in ground, and with brass cap mkd.



Thence along W. bdy. of Tract 37, continuing measurement.

40.43 The cor. of secs. 22, 23, 26, and 27, which is monumented with a B.R. iron post, 2 ins. diam., set 8 ins. out of ground, with brass cap mkd.



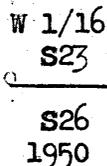
This monument is now designated as angle point 3 of Tract 37.

N. 88° 41.3' E., bet. secs. 23 and 26, along S. bdy. of Tract 37.

Over nearly level bottom land.

4.40 Center of concrete lined Mohawk Canal, follows along R.R. right-of-way and drains WSW.

19.97 The W 1/16 sec. cor. of secs. 23 and 26, which is monumented with a B.R. iron post, 1 in. diam., set 8 ins. out of ground, with brass cap mkd.



25.00 New lateral, drains SSE.

31.40 Ditch, drains SSW. Thence along S. edge of road.

39.94 The $\frac{1}{4}$ sec. cor. of secs. 23 and 26, which is monumented with a B.R. iron post, 1 in. diam., with brass cap set 1 ft. below surface of roads and marked.

Survey of Tract 37 in Sec. 23, T. 7 S., R. 16 W.

Chains

$$\frac{1}{4} \frac{S23}{S26}$$

1941

Cor. falls in road junction; in center of N. and S. road and at S. edge of E. and W. road.

59.91

The E 1/16 sec. cor. of secs. 23 and 26, which is monumented with a B.R. iron post, 1 in. diam., with brass cap set 8 ins. under surface at S. edge of road, and brass cap mkd.

$$E \frac{1}{16} \frac{S23}{S26}$$

1950

79.88

The cor. of secs. 23, 24, 25, and 26, which is monumented with a B.R. iron post, 2 ins. diam., with top set 3 ft. below surface of roads, with brass cap mkd.

T7S	R16W
S23	S24
S26	S25
1941	

Cor. falls in road junction; at S. edge of E. and W. road and at W. edge of N. and S. road. This corner is now designated as angle point 4 of Tract 37.

N. 0° 23.5' W., bet. secs. 23 and 24, along E. bdy. of Tract 37.

Along road.

15.00

Right bank of flood-way, drains E. of S.

18.50

Center of concrete lined Mohawk Canal, follows along R.R. right-of-way and drains WSW. Flood-way passes under canal at this point.

19.686

Right-of-way line of R.R. (150 ft. from center line of track) and point for angle point 1 of Tract 37.

Set a B.R. iron post, 1 in. diam., 3 ft. long, 34 ins. in ground, with brass cap mkd.

S23	T7S
AP1	R16W
TR37	S24
1952	

Leave E. bdy. of Tract 37.

19.945

The S 1/16 sec. cor. of secs. 23 and 24, which is monumented with a B.R. iron post, 1 in. diam., set flush with ground, with brass cap mkd.

$$S \frac{1}{16} \frac{S23}{S24}$$

1950

22.034

Center line of Southern Pacific R. R. track, bears S. 74° 57.5' W. and N. 74° 57.5' E. Thence over rolling land.

25.10

Top of high dike which parallels R.R.

39.89

The $\frac{1}{4}$ sec. cor. of secs. 23 and 24, which is monumented with a B.R. iron post, 1 in. diam., set 8 ins. out of ground, with brass cap mkd.

Survey of Tract 37 in Sec. 23, T. 7 S., R. 16 W.

Chains

$$\begin{array}{c} \frac{1}{4} \\ \hline S23 \quad | \quad S24 \\ \hline 1940 \end{array}$$

The Bureau of Reclamation field tablets show that a "mesquite post" was found at this point. At this time there is a decayed red wood post with definite scribe marks visible lying on the ground. A palo verde tree, 12 ins. diam., bears N. of W., 48 lks. dist. with no marks visible. The field notes of 1878 give a palo verde bearing tree, 8 ins. diam., bearing West, 50 lks. dist.

From angle point 1 of Tract 37.

S. 74° 57.5' W., along the N. bdy. of Tract 37 and along the fenced right-of-way of the Southern Pacific R. R. (150 ft. from center line of track).

82.55 Angle point 2 of Tract 37.

Note: The area of Tract 37, T. 7 S., R. 16 W. is 79.04 acres and the boundaries are those selected by the Bureau of Reclamation.

5

4-680
(Feb., 1950)

4898

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Employees of the Bureau of Reclamation	

CERTIFICATE OF CADASTRAL ENGINEER

I, Clark Gumm, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 1st day of April, 1952, I have surveyed Tract 37 in Section 23, Township 7 South, Range 16 West

of the G. and S. R. Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Albuquerque, New Mexico
May 1, 1952

Clark Gumm Clark Gumm
Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., JUL 7 1952, 19

The foregoing field notes of the survey of Tract 37 in Section 23, Township 7 South, Range 16 West, of the Gila and Salt River Meridian, Arizona

executed by Clark Gumm having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Chief, Division of Cadastral Engineering.

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of the field notes of the above described surveys in is a true copy of the original field notes.

Earl G. Harrington
Chief, Division of Cadastral Engineering.