

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GENERAL LAND OFFICE~~
BUREAU OF LAND MANAGEMENT

BOOK 9370

FIELD NOTES

Of the Survey Of

Tract A

In Section 11,

Township 9 South, Range 23 West.

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Everett H. Kimmell, Cadastral Engineer

Under special instructions dated March 7, 1949, which provided for the surveys included under Group No. 265, bearing the approval of the Commissioner of the General Land Office under date of March 14, 1949, and assignment instructions dated March 28, 1949.

Survey commenced April 5, 1949.

Survey completed April 8, 1949.

BOOK 4370

INDEX DIAGRAM.

Township _____, Range _____

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Survey of Tract A, Sec. 11, T. 9 S., R. 23 W.,
Gila and Salt River Mer., Arizona.

The subdivisional lines of Township 9 South, Range 23 West were originally surveyed by T. F. White, Deputy Surveyor, in 1874.

The boundaries of section 11 have been reestablished by the Bureau of Reclamation and these lines have been generally accepted for many years.

The survey of Tract A was made to accommodate conveyance of the land to Yuma County for use of the Yuma Airport.

The survey was executed with a light mountain transit made by W. & L. E. Gurley, serial No. 481266, constructed in accordance with the standard specifications of the General Land Office. The instrument was in good condition and was placed in satisfactory adjustment prior to beginning the survey.

The directions of all lines were derived from azimuth carried by traverse methods from the $\frac{1}{4}$ section corner of sections 11 and 12, at which point azimuth was determined by an altitude observation upon the sun and checked by azimuth from U. S. Coast and Geodetic Survey "Yuma Azimuth Station" which is located approximately four miles to the northwest.

Measurements were made with a Lallie steel tape, 5 chains in length, which was tested by comparison with a standard tape and found correct.

In the following field note record the bearings are shown to the minute and distances to the nearest tenth of a link.

April 7, 1949, at the $\frac{1}{4}$ sec. cor. of secs. 11 and 12, in approximate latitude $32^{\circ} 39' 40''$ N., longitude $114^{\circ} 34' 55''$ W., at 8h 09m a.m., app. t., I make a series of three altitude observations of the sun for azimuth, each with the telescope in direct and reversed positions, and reading the horizontal angle from the section corner, one half mile to the south, to the left to the sun.

Mean observed vertical angle -----	30° 06' 00"
Refraction in zenith distance -----	- 1' 40"
Parallax -----	+ 08"

True vertical angle ----- h : 30° 04' 28"

Declination of the sun ----- 6° 52' 16" N.

Reduced bearing to the sun at mean period of observation S. 78° 03' 12" E.

Observed horizontal angle, line to sun 77° 15' 49"

True bearing of E. bdy. of S. $\frac{1}{2}$ of sec. 11 S. 0° 47' 23" E.

Beginning at the $\frac{1}{4}$ sec. cor. of secs. 11 and 12, designated as Angle Point 1 of Tract A, monumented by an iron post, 2 ins. diam., with Bureau of Reclamation brass tablet marked

S11 | S12

1945

4 ins. below surface

Set an iron post, 3 ft. long, 1 in. diam., 32 ins. in the ground, for a reference mark, marked with an arrow pointing to the cor. and $\frac{1}{4}$ S12 RM 1949, bears N. $89^{\circ} 34'$ E., 160 lks. dist.

Set an iron post, 3 ft. long, 1 in. diam., 32 ins. in the ground, for a reference mark, marked with an arrow pointing to the cor. and $\frac{1}{4}$ S11 RM 1949, bears S. $89^{\circ} 34'$ W., 100 lks. dist.

Survey of Tract A, Sec. 11, T. 9 S., R. 23 W.

Chains

- S. 89° 12' W., on E. and W. center line of sec. 11.
- 80.588 Point for the $\frac{1}{4}$ sec. cor. of secs. 10 and 11, at proportionate dist. on the sec. line, designated as Angle Point 2 of Tract A, falls on asphalt mat of landing field.
- Set a brass tablet, $3\frac{1}{4}$ ins. diam., $3\frac{1}{2}$ in. stem, cemented in a drill hole, and mkd.
- | | | |
|------|---------------|-----|
| | $\frac{1}{4}$ | |
| S10 | | S11 |
| 1949 | | |
- From this point
- The cor. of secs. 2, 3, 10, and 11, monumented by a large spike in center of U. S. Highway No. 80 (point reestablished by the Bureau of Reclamation) bears N. 0° 48' W., 39.958 chs. dist.
- S. 0° 48' E., on line bet. secs. 10 and 11.
- 39.958 The cor. of secs. 10, 11, 14, and 15, designated as Angle Point 3 of Tract A, monumented by a large spike in asphalt mat of landing field, point reestablished by the Bureau of Reclamation.
- At the corner point
- Set a brass tablet, $3\frac{1}{2}$ ins. diam., $3\frac{1}{2}$ in. stem, cemented in drill hole, and mkd.
- | | |
|----------|-----|
| T9S R23W | |
| S10 | S11 |
| S15 | S14 |
| 1949 | |
- N. 89° 17' E., along line bet. secs. 11 and 14.
- 15.99 Fence, bears N. and SW., leave asphalt mat of landing field.
- 20.134 Point for Angle Point 4 of Tract A, monumented by a 2 in. square hub, established by the Bureau of Reclamation.
- Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with brass cap mkd.
- | | | |
|------|--|-----|
| TR A | | |
| AP 4 | | S11 |
| S14 | | |
| 1949 | | |
- raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, NW. of cor.
- From this point
- The $\frac{1}{4}$ sec. cor. of secs. 11 and 14, monumented by a concrete post, 4 ins. square, extending 12 ins. above ground, and lettered with black paint, 1/4 COR on E. and W. faces, SEC 11 on N. face, and SEC 14 on S. face, bears N. 89° 17' E.
- N. 2° 33' W.,
- 16.049 Point for Angle Point 5 of Tract A, marked by a spike driven in asphalt street. Established by the Bureau of Reclamation.
- Set an iron post, 3 ft. long, 1 in. diam., 40 ins. in the ground, with brass cap mkd.

Survey of Tract A, Sec. 11, T. 9 S., R. 23 W.

Chains

TR A
 AP 5 | S 11
 1949

from which

An iron post, 3 ft. long, 1 in. diam., set 32 ins. in the ground, for a reference monument, with brass cap mkd. with an arrow pointing to the cor. and AP5 TRA 1949, bears N. $44^{\circ} 34'$ E., 150 lks. dist.

An iron post, 3 ft. long, 1 in. diam., set 31 ins. in the ground, for a reference monument, with brass cap marked with an arrow pointing to the cor. and AP S11 1949, bears S. $45^{\circ} 26'$ E., 150 lks. dist.

N. $89^{\circ} 10'$ E.,

4.692 Point for Angle Point 6 of Tract A, marked by a large spike driven in asphalt, near S. side of street bearing E. and W. Established by the Bureau of Reclamation.

Set an iron post, 3 ft. long, 1 in. diam., 40 ins. in the ground, with brass cap mkd.

TR A
 AP 6 /
 S 11

1949

from which

An iron post, 3 ft. long, 1 in. diam., set 33 ins. in the ground, for a reference monument, with brass cap marked with an arrow pointing to the cor. and AP6 TRA RM 1949, bears N. $0^{\circ} 26'$ W., 60 lks. dist.

A X and BO, chiseled on a smooth concrete floor, bears S. $0^{\circ} 26'$ E., 60 lks. dist.

N. $44^{\circ} 11'$ E.,

8.350 Point for Angle Point 7 of Tract A, marked by a large spike driven in asphalt, in center of street bearing NE. and SW. Established by the Bureau of Reclamation.

Set an iron post, 3 ft. long, 1 in. diam., 40 ins. in the ground, with brass cap mkd.

TR A
 AP 7 / S11
 1949

from which

An iron post, 3 ft. long, 1 in. diam., set 32 ins. in the ground, for a reference monument, with brass cap marked with an arrow pointing to the cor. and AP S11 RM 1949, bears S. $45^{\circ} 26'$ E., 50 lks. dist.

An iron post, 3 ft. long, 1 in. diam., set 32 ins. in the ground, for a reference monument, with brass cap marked with an arrow pointing to the cor. and AP7 TRA RM 1949, bears N. $45^{\circ} 26'$ W., 50 lks. dist.

N. $0^{\circ} 49'$ W.,

5.531 Point for Angle Point 8 of Tract A, marked by a large spike driven in asphalt, about 3 ft. from S. edge of streets bearing N., E. and SW. Established by the Bureau of Reclamation.

Survey of Tract A, Sec. 11, T. 9 S., R. 23 W.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 42 ins. in the ground, with brass cap mkd.

TR A
AP 8 | S 11
1949

from which

An iron post, 3 ft. long, 1 in. diam., set 32 ins. in the ground, for a reference monument, with brass cap marked with an arrow pointing to the cor. and AP S11 RM 1949, bears S. 85° 26' E., 50 lks. dist.

An iron post, 3 ft. long, 1 in. diam., set 33 ins. in the ground, for a reference monument, with brass cap marked with an arrow pointing to the cor. and AP8 TRA RM 1949, bears S. 4° 34' W., 50 lks. dist.

N. 89° 11' E.,

29.931 Point for Angle Point 9 of Tract A, marked by a large spike driven in asphalt, 3 ft. N. of S. edge of street bearing W., in line with E. edge of street bearing N., and about 24 ft. W. of W. edge of street bearing S. Established by the Bureau of Reclamation.

Set an iron post, 3 ft. long, 1 in. diam., 40 ins. in the ground, with brass cap mkd.

TR A
AP 9 |
S 11
1949

from which

An iron post, 3 ft. long, 1 in. diam., set 31 ins. in the ground, for a reference monument, with brass cap marked with an arrow pointing to the cor. and AP S11 RM 1949, bears N. 44° 34' E., 100 lks. dist.

An iron post, 3 ft. long, 1 in. diam., set 32 ins. in the ground, for a reference monument, with brass cap marked with an arrow pointing to the cor. and AP S11 RM 1949, bears S. 44° 34' W., 100 lks. dist.

N. 0° 48' W.,

4.320 Point for Angle Point 10 of Tract A, marked by a large spike driven in asphalt, near S. edge of street bearing E., and E. side of street bearing N. and S. Established by the Bureau of Reclamation.

Set an iron post, 3 ft. long, 1 in. diam., 40 ins. in the ground, with brass cap mkd.

TR A
AP 10 | S11
1949

from which

An iron post, 3 ft. long, 1 in. diam., set 33 ins. in the ground, for a reference monument, with brass cap marked with an arrow pointing to the cor. and AP S11 RM 1949, bears S. 88° 26' E., 20 lks. dist.

An iron post, 3 ft. long, 1 in. diam., set 33 ins. in the ground, for a reference monument, with brass cap marked with an arrow pointing to the cor. and AP10 TRA RM 1949, bears S. 1° 34' W., 20 lks. dist.

Survey of Tract A, Sec. 11, T. 9 S., R. 23 W.

Chains

N. 89° 13' E.,

20.03 Center of asphalt surface road, bears N. and S.

20.394 Point for Angle Point 11 of Tract A, marked by a 2 in. square hub, on the line between secs. 11 and 12. Established by the Bureau of Reclamation.

Set an iron post, 3 ft. long, 2 ins. diam., 40 ins. in the ground, with brass cap mkd.

T9S R23W	
TR A	
AP11	
S 11	S 12

1949

from which

An iron post, 3 ft. long, 1 in. diam., set 32 ins. in the ground, for a reference monument, with brass cap marked with an arrow pointing to the cor. and AP S12 RM 1949, bears S. 45° 26' E., 140 lks. dist.

An iron post, 3 ft. long, 1 in. diam., set 32 ins. in the ground, for a reference monument, with brass cap marked with an arrow pointing to the cor. and AP11 TRA RM 1949, bears N. 45° 26' W., 140 lks. dist.

An Angle Point of Farm Unit "E" in sec. 12, monument by an iron pipe, 2 ins. diam., filled with concrete, extending 2 ins. above ground, bears S. 0° 47' E., 1.836 chs. dist.

The cor. of secs. 11, 12, 13, and 14, monumented by an iron post, 2 ins. diam., with Reclamation Service brass cap mkd. S11, S12, S13, and S14, bears S. 0° 47' E.

N. 0° 47' W., along line bet. secs. 11 and 12; crossing to W. side of asphalt surfaced road which bears N. and S.

8.176 The $\frac{1}{4}$ sec. cor. of secs. 11 and 12, being Angle Point 1 of Tract A and point of beginning.

The area of Tract A is 156.618 acres.

CERTIFICATE OF CADASTRAL ENGINEER

I, Everett H. Kimmell, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 7th day of March, 1949, I have surveyed Tract A, in section 11, Township 9 South, Range 23 West,

Gila and Salt River 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.

Santa Fe, New Mexico,
April 15, 1949.

Everett H. Kimmell
Cadastral Engineer.

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., 19

The foregoing field notes of the survey of Tract A, in section 11, Township 9 South,
Range 23 West, of the Gila and Salt River Meridian, Arizona

executed by Everett H. Kimmell, Cadastral Engineer,

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Chief, Branch of Engineering and Construction,
Chief, Division of 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.

Chief, Branch of Engineering and Construction.