

711. 4117/45
1

Original

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

BOOK 4322

Book D

FIELD NOTES

Of the Resurvey of

A Portion of the North Boundary of Township 17 South, Range 23 East

and

A Portion of the Subdivision of Township 16 South, Range 23 East

And the Survey of

A Portion of the Subdivision of Township 16 South, Range 23 East

4322

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Raymond F. Moss,

Assistant Cadastral Engineer.

General Land Office.

Under special instructions dated September 20, 1940, which provided for the surveys included under Group No. 231, bearing the approval of the Commissioner of the General Land Office under date of December 2, 1940 and assignment instructions dated November 4, 1940

Survey commenced February 25, 1941

Survey completed March 24, 1941

1A

BOOK 4822

INDEX DIAGRAM.

Township 16 South, Range 23 East

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

3

3⁶⁻¹⁶¹

2

Extension Survey, T. 16 S., R. 23 E.

The survey was executed with Gurley solar transit No. 371537, property of the General Land Office. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the district cadastral engineer on November 4, 1940.

The directions of the lines were determined by the solar transit method. The measurements were made with a Dietzgen steel tape 5 chs. in length, graduated every link for the first 100 lks. and the balance at intervals of 10 lks. The tape was tested by comparison with a Lufkin standard and found correct. The measurements were made on the slope, and the vertical angle of each interval was ascertained with a clinometer in good adjustment; the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions give the geographic position for the SE. cor. of T.16 S., R.23 E., as follows: latitude $31^{\circ}59'36''$ N., and longitude $109^{\circ}56'41''$ W.

February 25, 1941, in camp in the $NE\frac{1}{4}SE\frac{1}{4}$ of sec. 23, T. 16 S., R.23 E., Gila and Salt River Meridian, Arizona, in latitude $32^{\circ}01'45''$ N., and longitude $109^{\circ}57'45''$ W., at 6h 10.2 m p.m., l.m.t., or 6h 30m 00s p.m. by my watch which reads correct 105th meridian time as determined by Western Union clock, I make an hour angle observation on Polaris west of the meridian, making four observations two each with the telescope in direct and reversed positions, reading the deflection angles from the north edge of the south dome on top of Dos Cabezas Mountain, about 30 miles northeasterly, W. to Polaris.

Mean watch time of observation, p.m.-----	6h 30m 00s
Watch fast of l.m.t. -----	19m 48s
Mean horizontal angle from Polaris to reference point -----	$57^{\circ} 19' 00''$
Azimuth of Polaris -----	$48' 30''$
True bearing of reference point -----	N. $56^{\circ} 30' 30''$ E.

Every 30 min. from 8 to 10.30 a.m., and from 1.30 to 4 p.m., I make the proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument when compared with a meridian established by Polaris observation, has a maximum error of less than $1'30''$.

I repeat the tests of the arcs daily by noon observation and verify the meridional indications at frequent intervals throughout the survey.

Preliminary to the resurveys, the lines of the original survey are retraced and diligent search is made for all original corners. Identified corners of the original survey are restored in their original positions. All lost corners are reestablished at proportionate positions, based on the record of the original survey. The retrace-ment data are thoroughly verified and only the true line notes are given herein.

BOOK 4522

Resurvey of a Portion of the N. Bdy.

of T. 17 S., R. 23 E.

Chains Part of the N. bdy. of T.17 S.,R.23 E. was resurveyed and part was surveyed in 1925, by R.F.Wilson, U.S.Transitman. The following field notes describe a resurvey of a portion of this line for the purpose of establishing corners for secs. to the north. Existing corners are not altered.

The $\frac{1}{4}$ sec. cor. on the N. bdy. of sec. 2, is an iron post, 1 in. diam., set, marked and witnessed as described in the field notes of the resurvey of this line.

Thence
S.89°54'W., on N. bdy. of sec. 2.

Over rolling land, through scattering timber and dense undergrowth. Asc. gradually 120 ft.

24.22 A point which is S.0°08'E., from the cor. of secs. 26, 27, 34 and 35, T.16 S.,R.23 E., hereinafter described.

Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock, with a stone mkd. with a X, deposited at the base, and in a mound of stone to top, for cor. of secs. 34 and 35 only, with brass cap marked

T 16 S R 23 E
S 34 | S 35

S 2
T 17 S R 23 E
1941

Continue ascent 140 ft.

30.30 Ravine, 20 ft. deep, course SE. Continue ascent.
40.03 The cor. of secs. 2 and 3; an iron post, 2 ins. diam., set, marked and witnessed as described in the official record.

Land, rolling. Soil, rocky, 3rd rate.
Timber, scattering pine, juniper and oak.
Undergrowth, mesquite, ocotillo, laurel and cactus.

West, along the N. bdy. of sec. 3.

Over mountainous land, through scattering timber and undergrowth. Asc.

.60 Spur, slopes NE. Continue ascent 580 ft. along spur.

24.19 A point 40.00 chs. from the SE. cor. of sec. 34, of T.16S.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock, with a stone mkd. X, deposited at the base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. of sec. 34, only, with brass cap marked

$\frac{1}{4}$ S 34

1941

28.20 Head of drain, course S. Asc. 350 ft. over steep E. slope.
35.70 Ridge, bears N.20°E. and S.20°W. Desc. 90 ft. on W. slope.
39.94 The $\frac{1}{4}$ sec. cor. of sec. 3 only; an iron post, 1 in. diam. set, mkd. and witnessed as described in the official record.

Desc. 400 ft. over W. slope.

53.00 Ravine, course N. Asc. 200 ft. over steep NE. slope.
64.19 A point 80.00 chs. from the SE. cor. of sec. 34.
Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground to bedrock, with a X chiseled at base of post, and in a mound of stone to top, for cor. of secs. 33 and 34 only, with brass cap marked

Resurvey of a Portion of the N. Bdy.
of T. 17 S., R. 23 E.

Chains	T 16 S R 23 E S 33 S 34 S 3 T 17 S R 23 E 1941
	Asc. 150 ft.
69.70	Spur, slopes SE. Asc. 230 ft. over SE. slope to cor.
76.70	Head of ravine, course S.10°E. Continue ascent.
79.72	The cor. of secs. 3 and 4 only; an iron post, 2 ins. diam. firmly set in mound of stone and marked as described in the official record.
	Land, mountainous. Soil, rocky, 3rd rate. Timber, pinon and juniper. Undergrowth, mesquite & laurel.
	West, along the N. bdy. of sec. 4. Asc. 50 ft.
1.80	Ridge, bears N. and S.30°W. Peak, 50 ft. high 4 chs. N. Desc. 800 ft. over W. slope.
14.90	The SE. cor. of the Ophir Marble Placer, Sur. No. 3719, unpat.
17.22	Trail, bears N.10°W.
18.00	Side hill drain, course N.60°W.
24.47	A point 40.00 chs. from the SE. cor. of sec. 33, T.16 S. Set an iron post, 3 ft. long, 1 in. diam., over a X, chiseled on bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. of sec. 33 only, of T.16 S., with brass cap mkd.
	$\frac{1}{4}$ S 33 1941
24.88	Cor. No. 8 of Ophir Marble Placer, identical with SE. cor. of Porter Placer, Sur. No. 4145, unpatented. Desc. 90 ft.
27.40	Gulch, course N. Asc. 370 ft. to spur.
39.10	Spur, slopes north. Desc. 30 ft.
40.00	Rim rock, bears N. and S.
40.06	The $\frac{1}{4}$ sec. cor. of sec. 4 only; an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.
	Desc. 510 ft. over steep W. slope.
56.50	Drain, course SW. Over broken land.
64.37	The SW. cor. of the Porter Placer, Sur. No. 4145.
69.98	The cor. of secs. 32 and 33 only, of T.16 S.; an iron post, 2 ins. diam., set, mkd. and witnessed as described in the field notes of the resurvey of part of the S. bdy. of T. 16 S., R. 23 E.
	Land, mountainous. Soil, rocky, 3rd rate. Timber, pinon and juniper. Undergrowth, mesquite, laurel and oak.
Resurvey of a Portion of the Subdivision of T.16 S., R.23 E.	

Reestablishment of the surveys executed in 1886, by P. Contzen, Compassman for A.L. Trippel, Deputy Surveyor.	

From the cor. of secs. 32 and 33, on S. bdy. of Tp., N.7°22'E., bet. secs. 32 and 33.	
Over mountainous land, through scattering timber and undergrowth. Asc. 30 ft. over SE. slope.	
.40	Spur, slopes S.70°W.; desc. 200 ft. over NW. slope.
8.40	Drain, course N.80°W.
8.90	Point of spur, slopes SW.; asc. 126 ft. over SE. slope.
20.90	Ravine, course W.
26.40	Spur, slopes S.60°W.; desc. 240 ft. over NW. slope.
30.90	Spur, slopes N.50°W.

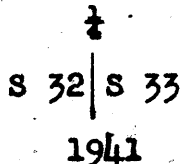
Resurvey of a Portion of the Subdivision
of T.16 S., R.23 E.

Chains
40.93

The $\frac{1}{4}$ sec. cor., which is a sandstone, 16x12x6 ins., 6 ins. above ground, mkd. $\frac{1}{4}$ on W. face.

In place of corner stone, which is buried alongside,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.



of stone, 3 ft. base, 2 ft. high, W. of cor. false mound

From this point, a post 4 ins. sq., 4 ft. above ground, set in a mound of stone, bears E. 6 lks. dist. This is probably the NW. cor. of the Porter Placer,

Thence

N.0°02'E. bet. secs. 32 and 33.

Asc. 50 ft. over SW. slope.

4.22 Drain, course NW.

7.42 Drain, course N.60°W.

11.00 Flat spur, slopes NW.

16.00 Bottom of swale, course W.

19.50 Point of spur, slopes N.60°W.; desc. 17 ft.

25.02 Drain, course SW.; heads 3 chs. NE.; asc. 66 ft. over SE. slope.

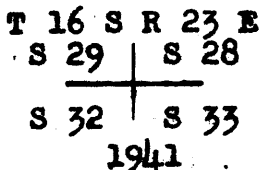
36.50 Spur, slopes W.; desc. 24 ft. over N. slope.

39.93 Fence cor., from which fences bear northerly and westerly.

40.02 The cor. of secs. 28, 29, 32 and 33, which is a quartz stone, 18x17x6 ins., 6 ins. above ground, mkd. T16S on NE. and R23E on SE. face, with 1 notch on S, and 4 notches on E. edge, and witnessed by a mound of stone, 2 ft. base, 1 ft. high, W. of cor.

In place of corner stone, which is buried alongside,

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 28, 29, 32 and 33, with brass cap mkd.



Land, mountainous.

Soil, rocky, 3rd and 4th rate.

Timber, scattering pine, juniper and oak.

Undergrowth, mesquite, soto, laurel and cacti.

T. 16 S., R. 23 E.

Chains N.89°56'E., on true line bet. secs. 28 and 33.
 Over mountainous land, through scattering timber and undergrowth.

5.04 Wash, 80 lks. wide, course NW.; asc. 40 ft. over SW.slope.
 12.00 Spur, slopes NW.
 20.14 Road, bears N.35°W. and S.35°E.
 24.80 Wash, 20 lks. wide, course N.; asc. 80 ft.
 28.74 Drain, course NW.
 33.00 Spur, slopes NW.; descend 58 ft. over NE. slope.
 39.84 Drain, course N.
 39.94 The $\frac{1}{4}$ sec. cor., which is a limestone, 16x8x3 ins., set in a mound of stone, 3 ft. base, 1 ft. high, mkd. $\frac{1}{4}$ on N. face.

In center of mound with **corner stone** buried alongside
 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S 28
 S 33
 1941

see attached sketch by R. T. O'Brien, Aug 1941

Thence
 N.89°17'E., on true line bet. secs. 28 and 33.
 Asc. 40 ft.

5.77 Drain, course NW.
 6.30 Spur, slopes NW.
 7.02 Road, bears N.40°W. and S.40°E.
 10.33 Center of wash, 100 lks. wide, course N.20°W.; asc. 598 ft. over steep SW. slope.
 36.70 Top of spur ridge, bears NW. and SE.
 40.04 At this point record dist. from the west, and record dist. from the north.

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock, with a stone mkd. with a cross (X) buried alongside, and in a mound of stone to top, for cor. of secs. 27,28,33 and 34, with brass cap mkd.

T 16 S R 23 E
 S 28 | S 27
 S 33 | S 34
 1941

Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering pine, juniper and oak; undergrowth, mesquite, ocotillo, soto, laurel and cacti.

Resurvey of a Portion of the Subdivision of

T. 16 S., R. 23 E.

Chains	N.0°16'E., on true line bet. secs. 27 and 28. Over mountainous land, through scattering timber and undergrowth. Desc. 540 ft. over NE. slope. 8.50 Sidehill drain, course N.60°E. 20.83 Bottom of small canyon, course N.5°W.; asc. 9 ft. 23.10 Point of spur, slopes N.70°W. 24.94 Ravine, course N.30°W.; asc. 79 ft. along W. slope. 39.00 Spur, slopes NW. 40.00 The $\frac{1}{4}$ sec. cor., which is a limestone, 18x12x8 ins., 6 ins. above ground, mkd. $\frac{1}{4}$ on W. face. In place of corner stone which is buried alongside Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd. $\frac{1}{4}$ S 28 S 27 1941 Thence N.0°07'E., on true line bet. secs. 27 and 28. Desc. 313 ft. over steep NE. slope. 14.00 Base of steep slope, bears E. and W. 21.55 Wash, 10 lks. wide, course N.10°W.; desc. 104 ft. over N. slope. 39.65 The cor. of secs. 21, 22, 27 and 28, which is a limestone, 20x8x6 ins., 5 ins. above ground, mkd. T16S on NE. R23E on SE. face, with 2 notches on S. and 3 notches on E. edge. In place of corner stone which is buried alongside Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 21, 22, 27 and 28, with brass cap mkd. T 16 S R 23 E S 21 S 22 S 28 S 27 1941 Land, rolling and mountainous. Soil, rocky, 4th rate. Timber, scattering pine, juniper and oak; undergrowth, mesquite, ocotillo, soto, laurel and cacti.
4.10	N.89°35'E., on true line bet. secs. 22 and 27. Over rolling land, through medium desert growth. Spur, slopes N.20°E.; desc. 26 ft. over SE. slope.

T. 16 S., R. 23 E.

Chains

- 7.60 Wash, 10 lks. wide, course N.20°E.; asc. 17 ft. over NW. slope.
- 11.50 Spur, slopes N.30°W.; desc. 31 ft. over NE. slope.
- 15.60 Draw, course N.10°W.
- 27.37 Ravine, course N.
- 30.20 Wash, 20 lks. wide, course N.; asc. 32 ft. over W.slope.
- 40.10 The $\frac{1}{4}$ sec. cor., which is a limestone, 18x11x5 ins., 6 ins. above ground, mkd. $\frac{1}{4}$ on N. face, and witnessed by a mound of stone N. of cor.

In place of corner stone which is buried alongside

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S 22
S 27

1941

from which

A Forest Service Boundary marker, bears south, 5 lks. dist.; a post, 4 ins. sq., 4 ft. above the top of a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high.

Rebuild the mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Thence

S.89°38'E., on true line bet. secs. 22 and 27.

- 7.65 Wash, 10 lks. wide, course NE.
- 13.00 Spur, slopes N.40°E.; desc. 59 ft. over NE. slope.
- 22.01 Wash, 10 lks. wide, 3 ft. deep, course N.10°E.; asc. 60 ft. over SW. slope.
- 35.00 Spur, slopes NW.
- 37.85 Ravine, 60 lks. wide, course N.
- 40.05 The cor. of secs. 22,23,26 and 27, which is a limestone, 15x10x7 ins., 5 ins. above ground, mkd. T16S on NE. R23E on SE. face, with 2 notches on S. and E. edge, and witnessed by a mound of stone W. of cor.

In place of corner stone which is buried alongside

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 22,23,26 and 27, with brass cap mkd.

T 16 S R 23 E
S 22 | S 23
S 27 | S 26
1941

from which

The original bearing trees:

A cedar, 20 ins. diam., bears N.5°E., 167 lks. dist., mkd. T 16 S R 23 E S 23 B T.

Chains	<p>A cedar, 10 ins. diam., bears N.13$\frac{3}{4}$°W., 271 lks. dist., mkd. T 16 S R 23 E S 22 B T.</p> <p>Rebuild the mound of stone, 4 ft. base, 2$\frac{1}{2}$ ft. high, W. of cor.</p> <p>Land, rolling. Soil, sandy, 2nd rate; and rocky, 4th rate. Timber, scattering cedar; undergrowth, mesquite, ocotillo, soto, laurel and cacti.</p>
	<p>N.0°09'E., on true line bet. secs. 22 and 23.</p> <p>Over rolling desert land, through scattering timber and undergrowth.</p>
.84	Small ravine, course N.5°W.; desc. 23 ft. over NE. slope.
10.10	Spur, slopes NW.; continue descending 78 ft. over NE. slope.
20.59	Drain, course NW.; desc. 23 ft. over NE. slope.
26.10	Spur, slopes NW.; continue descending.
40.09	<p>The $\frac{1}{4}$ sec. cor., which is a limestone, 14x8x7 ins., 5 ins. above ground, mkd. $\frac{1}{4}$ on W. face, and witnessed by a mound of stone W. of cor.</p> <p>In place of corner stone which is buried alongside</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.</p> <p style="text-align: center;"> $\frac{1}{4}$ S 22 S 23 1941 </p> <p style="text-align: right;">rebuild the mound</p> <p>of stone, 2$\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.</p> <p>From this point Cor. No. 3 Sur. No. 1723 Coronado lode, bears N.77°00'E., 11.18 chs. dist.; a post, 4 ins. sq., 4 ft. above the top of a mound of stone, 3 ft. base, 2 ft. high, mkd. NWCC on E. face.</p> <p>Thence</p> <p>North, on true line bet. secs. 22 and 23.</p> <p>Desc. 46 ft. over NE. slope.</p>
12.05	Drain, course N.40°E.
33.05	U.S. Highway No. 80, bears N.72 $\frac{1}{2}$ °E. and S.72 $\frac{1}{2}$ °W.
40.05	<p>The cor. of secs. 14, 15, 22 and 23, which is a limestone, 18x12x12 ins., 6 ins. above ground, mkd. T 16 S on NE. R23E on SE. face, with 3 notches on S. and 2 notches on E. edge.</p> <p>In place of corner stone which is buried alongside</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, with brass cap mkd.</p>

T. 16 S., R. 23 E.

Chains

T 16 S R 23 E
 S 15 + S 14
 S 22 + S 23
 1941

raise a mound
 of stone, 3 ft. base, 2½ ft. high, W. of cor.

Land, rolling.

Soil, sandy, 2nd rate.

Timber, scattering juniper and oak; undergrowth, mesquite, ocotillo and cacti.

N.89°58'E., on true line bet. secs. 14 and 23.

Over rolling land, through medium undergrowth.

- .32 Drain, course N.
- 15.12 Drain, course N.
- 18.12 U.S. Highway No. 80, bears S.51½°W. and N.35°E. at fork of road, bearing E.; continue along road.
- 40.06 Set an iron post on N. apron of road, 3 ft. long, 1 in. diam., 8 ins. below surface of road, with a stone, 4x4x12 ins., mkd. with a cross (X) buried alongside, for ¼ sec. cor., with brass cap mkd.

S 14
 S 23

1941

from which

Chimney on old adobe house, bears S.49°37'E.

NE. cor. of white adobe house, bears S.37°12'E.

Top of low hill, bears S.9°15'E.

Deposit a stone, 8x8x4 ins. mkd. with a cross (X)
 in a mound of stone, 2½ ft. base, 2 ft. high, 14 lks.
 N. of cor.

From this point Cor. No. 1 Sur. No. 1757 La Noria lode,
 bears N.41°32'E. 7.96 chs. dist.; a mound of stone, 2 ft.
 base, ½ ft. high. **This claim is not patented.**

- 52.12 ~~Road~~ ^{Cross} Road, bears N.38°W. and S.38°E.; continue along road.

- 60.12 Road, bears S.; continue along road.

- 80.12 The true point for cor. of secs. 13, 14, 23 and 24, determined from the original bearing tree.

At point for corner

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. below
 surface of road, with a limestone, 5x5x2 ins., mkd. with
 a cross (X) buried on top of post, for cor. of secs. 13,
 14, 23 and 24, with brass cap mkd.

Chains

T 16 S R 23 E
 S 14 + S 13
 S 23 + S 24
 1941

from which

The original bearing tree:

A mesquite, 12 ins. diam., bears N. $80\frac{1}{2}^{\circ}$ E., 616 lks. dist., scribe marks visible S13 BT.

New bearing objects:

N. end of W. rail in cattle guard, bears N. $79^{\circ}07'E.$, 23 lks. dist.

S. end of W. rail in cattle guard, bears S. $38^{\circ}14'E.$, 37 lks. dist.

NW. cor. of hoist tower, bears S. $13^{\circ}03'W.$

NE. cor. of chimney on old adobe house, bears S. $39^{\circ}50'W.$

NE. cor. of white adobe house, bears S. $50^{\circ}11'W.$

Monument on low hill, bears S. $45^{\circ}36'W.$

Land, rolling.

Soil, sandy, 2nd rate.

Timber, scattering juniper and oak; undergrowth, mesquite, ocotillo and cacti.

S. $0^{\circ}03'E.$, on true line bet. secs. 23 and 24.

Over rolling land, through medium undergrowth.

Along wire fence.

2.70 Wash, 10 lks. wide, course N. $30^{\circ}E.$

29.70 Wash, 10 lks. wide, course NE.

40.10 The $\frac{1}{4}$ sec. cor., which is a limestone, 18x10x8 ins., 6 ins. above ground, mkd. $\frac{1}{4}$ on W. face.

In place of corner stone which is buried alongside

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$

S 23 | S 24

1941

from which

NW. cor. of hoist tower, bears N. $52^{\circ}W.$

USMK No. 1, bears S. $69^{\circ}02'W.$ 15.68 chs. dist.

Cor. No. 1 Sur. No. 1723 Dollar lode, bears N. $50^{\circ}26'E.$ 9.21 chs. dist.

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Chains	<p>Thence</p> <p>S.0°05'E., on true line bet. secs. 23 and 24.</p> <p>.20 Road, bears NW. and SE. .</p> <p>10.00 Top of low flat spur, slopes N.60°E.</p> <p>20.00 Wash, 50 lks. wide, course E.</p> <p>27.20 Wash, 20 lks. wide, course E.</p> <p>30.00 Flat spur, slopes NE.</p> <p>33.50 Wash, 20 lks. wide, course NE.</p> <p>40.00 Fence, bears E. and W.</p> <p>40.03 The cor. of secs. 23,24,25 and 26, which is a limestone, 18x7x6 ins., 5 ins. above ground, mkd. T16S on NE. R23E on SE. face, with 2 notches on S. and 1 notch on E. edge.</p> <p>In place of corner stone which is buried alongside</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 23,24,25 and 26, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 16 S R 23 E</p> <p>S 23 S 24</p> <p>S 26 S 25</p> <p>1941</p> </div> <p style="text-align: right;">from which</p> <p>USNM No. 1, bears N.23°09'W.</p> <p>Land, rolling. Soil, sandy, 2nd rate; and rocky, 4th rate. No timber; undergrowth, mesquite, ocotillo and cacti.</p> <hr/> <p>S.1°05'E., on true line bet. secs. 25 and 26.</p> <p>Over rolling land, through scattered timber and undergrowth.</p> <p>Asc. 20 ft.</p> <p>2.50 Top of ridge, bears SW. and E.; desc. 65 ft. over S.slope.</p> <p>19.00 Wash, 15 lks. wide, 4 ft. deep, course E.</p> <p>20.00 Wash, 20 lks. wide, 4 ft. deep, course E.</p> <p>40.01 At this point which is 40.00 chs. in latitude from the NE. cor. of sec. 26.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to bedrock, with a stone, 4x3x3 ins., mkd. with a cross (X) buried alongside, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. of sec. 26 only, with brass cap mkd.</p> <div style="text-align: center;"> <p>$\frac{1}{4}$</p> <p>S 26 </p> <p>1941</p> </div> <p>40.42 The original $\frac{1}{4}$ sec. cor. of secs. 25 and 26, which is a limestone, 15x9x4 ins., 5 ins. above ground, mkd. $\frac{1}{4}$ on W. face.</p>
--------	---

Resurvey of a Portion of the Subdivision of

T. 16 S., R. 23 E.

Chains	<p>This cor. now refers to sec. 25 only.</p> <p>In place of corner stone which is buried alongside</p> <p>Set an iron post, 3 ft. long, 1 in. diam., on bedrock, with a cross (X) mkd. at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. of sec. 25 only, with brass cap mkd.</p> <div style="text-align: center;"> $\frac{1}{4}$ S 25 1941 </div> <p>Thence</p> <p>S.0°05'E., on true line bet. secs. 25 and 26.</p> <p>10.67 Wash, 80 lks. wide, 5 ft. deep, course N.60°E.</p> <p>36.60 Wash, 20 lks. wide, course S.50°E.</p> <p>39.59 At this point which is 80.00 chs. in latitude from the NE. cor. of sec. 26.</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 26 and 35 only, with brass cap mkd.</p> <div style="text-align: center;"> <table style="border-collapse: collapse; margin: auto;"> <tr> <td style="padding: 0 5px;">T 16 S</td> <td style="border-left: 1px solid black; padding: 0 5px;"></td> <td style="padding: 0 5px;">T 16 S</td> </tr> <tr> <td style="padding: 0 5px;">R 23 E</td> <td style="border-left: 1px solid black; padding: 0 5px;"></td> <td style="padding: 0 5px;">R 23 E</td> </tr> <tr> <td style="padding: 0 5px;">S 26</td> <td style="border-left: 1px solid black; padding: 0 5px;"></td> <td style="padding: 0 5px;">S 25</td> </tr> <tr> <td style="padding: 0 5px;">S 35</td> <td style="border-left: 1px solid black; padding: 0 5px;"></td> <td style="padding: 0 5px;"></td> </tr> </table> <p>1941</p> </div> <p style="text-align: right;">raise a mound</p> <p>of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>40.10 The cor. of secs. 25, 26, 35 and 36, which is a decayed post in a mound of stone. This cor. now refers to secs. 25 and 36 only.</p> <p>In center of mound</p> <p>Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 25 and 36 only, with brass cap mkd.</p> <div style="text-align: center;"> <table style="border-collapse: collapse; margin: auto;"> <tr> <td style="padding: 0 5px;"></td> <td style="border-left: 1px solid black; padding: 0 5px;"></td> <td style="padding: 0 5px;">T 16 S</td> </tr> <tr> <td style="padding: 0 5px;">T 16 S</td> <td style="border-left: 1px solid black; padding: 0 5px;"></td> <td style="padding: 0 5px;">R 23 E</td> </tr> <tr> <td style="padding: 0 5px;">R 23 E</td> <td style="border-left: 1px solid black; padding: 0 5px;"></td> <td style="padding: 0 5px;">S 25</td> </tr> <tr> <td style="padding: 0 5px;">S 35</td> <td style="border-left: 1px solid black; padding: 0 5px;"></td> <td style="padding: 0 5px;">S 36</td> </tr> </table> <p>1941</p> </div> <p style="text-align: right;">raise a mound</p> <p>of stone, 3 ft. base, 2 ft. high, E. of cor.</p> <p>Land, rolling. Soil, sandy, 2nd rate; and rocky, 4th rate. Timber, scattering juniper and oak; undergrowth, mesquite, ocotillo and cacti.</p>	T 16 S		T 16 S	R 23 E		R 23 E	S 26		S 25	S 35					T 16 S	T 16 S		R 23 E	R 23 E		S 25	S 35		S 36
T 16 S		T 16 S																							
R 23 E		R 23 E																							
S 26		S 25																							
S 35																									
		T 16 S																							
T 16 S		R 23 E																							
R 23 E		S 25																							
S 35		S 36																							
5.00	<p>S.0°08'E., on true line bet. secs. 35 and 36.</p> <p>Over rolling land, through medium undergrowth.</p> <p>Wash, 10 lks. wide, course S.50°E. ; asc. 87 ft. over N. slope.</p>																								

Resurvey of a Portion of the Subdivision of

13

T. 16 S., R. 23 E.

Chains	
16.50	Top of ridge, bears W. and SE. about 5 chs. to valley. Desc. 55 ft.
24.78	Drain, course E.; asc. 15 ft.
40.09	The $\frac{1}{4}$ sec. cor., which is a decayed post in a mound of stone. In center of mound Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd. $\frac{1}{4}$ S 35 S 36 1941 raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.
45.00	Base of small hill, bears N. and S.
49.00	Road, bears N. 70° E. and southerly.
50.80	Wash, 25 lks. wide, 3 ft. deep, course NE.
54.00	Same road, bears S. 30° W. and northerly.
64.90	Center of wash, 100 lks. wide, course S. 70° E.
73.00	Old road, bears E. and W.
75.90	Wash, 20 lks. wide, 5 ft. deep, course E.
80.24	The cor. of secs. 35 and 36 on the S. bdy. of the Tp.; a 2-in. iron post, set, mkd. and witnessed as described in the Land, rolling. / field notes of resurvey of S. bdy. of Tp. Soil, sandy, 2nd rate; and rocky, 4th rate. No timber; undergrowth, mesquite, ocotillo, soto and cacti.
Survey of a Portion of the Subdivision of T. 16 S., R. 23 E.	
From the cor. of secs. 22, 23, 26 and 27. East, on a random line bet. secs. 23 and 26.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.40	A point 5 lks. S. of the cor. of secs. 23, 24, 25 and 26. Thence S. 89° 58' W., on true line bet. secs. 23 and 26. Over mountainous land, through scattering timber and undergrowth. Desc. 40 ft.
3.34	Wash, 10 lks. wide, course N. 20° W.; asc. 171 ft. over steep NE. slope.
14.50	Fence on top of ridge, bears S. 62° W.; ridge, bears N. and SW.; low saddle in ridge, bears 2.50 chs. SW.

Chains	Desc. 26 ft.
18.04	Head of draw, course N.5°E.
18.48	Mine shaft, bears N. 50 lks. dist.; asc. 145 ft. over E. slope.
27.00	Top of spur, slopes N.; desc. 82 ft. over W. slope.,
32.16	Ravine, course N.; asc. 160 ft. over E. slope.
40.20	Set an iron post, 3 ft. long, 1 in. diam., on bedrock, with a cross (X) mkd. at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 23 <hr style="width: 50px; margin: auto;"/> S 26 1941
	Asc. 291 ft. over E. slope.
40.90	Top of ridge, bears NE. and N.40°W.; desc. 291 ft. over SW. slope.
67.27	Ravine, course N.; asc. 11 ft.
71.00	Spur, slopes N.35°W.; desc. 139 ft. over SW. slope.
72.24	Fence, bears N.65°W. and S.50°E.
77.00	Same fence, bears NE. and SW.
78.91	Ravine, course NW.
80.40	The cor. of secs. 22, 23, 26 and 27.
	Land, mountainous. Soil, rocky, 4th rate. Timber, scattering juniper, pine and oak; undergrowth, mesquite, soto, ocotillo and cacti.
	S.0°11'W., on true line bet. secs. 26 and 27.
	Over mountainous land, through scattering timber and undergrowth.
	Asc. 712 ft. over NE. slope.
.21	Fence, bears NE. and SW.
6.80	Ravine, course N.10°W.
21.50	Spur, slopes N.30°W.
30.90	Top of ridge, bears E. and W.; desc. 369 ft. over S. slope.
30.90	Earthen tank, about 2 $\frac{1}{2}$ chs. diam., bears S.36°21'E.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, with a stone, mkd. with a cross (X) buried alongside, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 27 S 26 1941

T. 16 S., R. 23 E.

Chains	Desc. 231 ft. over S. slope.
51.94	Ravine, course E.; asc. 396 ft. over N. slope.
67.00	Spur, slopes E.; continue ascending.
72.00	Ravine, course E.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground to bedrock, with a stone mkd. with a cross (X) buried alongside, and in a mound of stone to top, for cor. of secs. 26, 27, 34 and 35, with brass cap mkd.
	T 16 S R 23 E S 27 S 26 S 34 S 35 1941
	Land, mountainous. Soil, rocky, 4th rate. Timber, scattering pine, juniper and oak; undergrowth, mesquite, soto, ocotillo and cacti.
	East, on a random line bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
81.55	A point 5 lks. S. of the cor. of secs. 26 and 35.
	Thence
	S. $89^{\circ}58'W.$, on true line bet. secs. 26 and 35.
	Over valley land.
20.00	Leave valley, bears N. and S.; asc. 127 ft. over E. slope.
28.65	Top of low hill.; desc. 55 ft. over W. slope.
34.00	Low saddle, bears NE. and SW. at point of spur, from S. $60^{\circ}W.$
40.00	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, with a stone mkd. with a cross (X) buried alongside, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. of sec. 35 only, with brass cap mkd.
	$\frac{1}{4}$ S 35 1941
41.55	Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock, with a stone mkd. with a cross (X) buried alongside, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. of sec. 26 only, with brass cap mkd.
	$\frac{1}{4}$ S 26 1941
	Asc. 558 ft. along N. slope.
52.18	Ravine, 20 lks. wide, course N. $80^{\circ}E.$
61.00	Ravine, course N. $80^{\circ}E.$
73.00	Spur, slopes NE.

Chains	
75.20	Drain, course NE.
80.50	Spur, slopes NE.; desc. 12 ft.
81.55	The cor. of secs. 26, 27, 34 and 35.
	Land, mountainous. Soil, rocky, 4th rate. Timber, scattering pine, juniper and oak; undergrowth, mesquite, soto, ocotillo and cacti.
	West, on a random line bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.20	A point 37 lks. S. of the cor. of secs. 27, 28, 33 and 34.
	Thence
	S. 89° 44' E., on true line bet. secs. 27 and 34.
	Over mountainous land, through scattering timber and undergrowth.
	Desc. 191 ft. over NE. slope.
10.42	Bottom of canyon, course N. 30° W.; asc. 543 ft. over SW. slope.
24.50	Spur, slopes W.; desc. 317 ft. along steep S. slope.
35.50	Spur, slopes NW.; continue descending over NE. slope.
38.46	Drain, course NW.
40.10	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, with a stone mkd. with a cross (X) buried alongside, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ <u>S 27</u>
	S 34
	1941
	The $\frac{1}{4}$ sec. cor. is located on top of ridge, bears SE. and NW.; saddle in ridge, bears 2 chs. dist. SW.
	Desc. 252 ft. over NE. slope.
48.46	Spur, slopes NE.
48.96	Top of rimrocks, bears NW. and SE.; desc. 813 ft. over NE. slope.
77.82	Drain, course NE.; asc. 15 ft. over NW. slope.
80.20	The cor. of secs. 26, 27, 34 and 35.
	Land, mountainous. Soil, rocky, 4th rate. Timber, scattering juniper, pine and oak; undergrowth, mesquite, soto, ocotillo and cacti.

Chains S.0°08'E., on a random line bet. secs. 34 and 35.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.75 The cor. of secs. 34 and 35 on the S. bdy. of the Tp.
Thence
N.0°08'W., on true line bet. secs. 34 and 35.
Over mountainous land, through scattering timber and undergrowth.

4.00 Wash, 30 lks. wide, course E.; asc. 558 ft. over SW. slope.

23.75 Spur, slopes S.20°E.; asc. 65 ft. over S. slope.

27.03 An earth tank, about $2\frac{1}{2}$ chs. diam., bears N.82°E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. of sec. 35 only, with brass cap mkd.

$\frac{1}{4}$
| S 35
1941

raise a mound
of stone, 3 ft. base, 2 ft. high, E. of cor.

40.45 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for witness $\frac{1}{4}$ sec. cor. of sec. 34 only, with brass cap mkd.

W C
 $\frac{1}{4}$
S 34 |
1941

raise a mound
of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

40.75 The true point for $\frac{1}{4}$ sec. cor. of sec. 34, falls on S. bank of wash, 60 lks. wide, course E., a place unsuitable for permanent cor.

41.35 N. bank of wash, course E.; asc. 332 ft. over S. slope.

45.75 Drain, course S.80°E.

50.30 Spur, slopes S.10°E.

65.54 Drain, course SE.

68.70 Spur ridge, slopes E.; desc. 276 ft. over NW. slope.

79.20 Spur, slopes N.30°E.; continue descending.

80.75 The cor. of secs. 26, 27, 34 and 35.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, scattering pine, juniper and oak; undergrowth, mesquite, soto, ocotillo and cacti.

Chains	From the cor. of secs. 33 and 34 on the S. bdy. of the Tp. N.0°08'W., on a random line bet. secs. 33 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
81.10	A point 14 lks. E. of the cor. of secs. 27, 28, 33 and 34. Thence S.0°14'E., on true line bet. secs. 33 and 34. Over mountainous land, through scattering timber and undergrowth. Asc. 24 ft. over NE. slope.
1.20	Top of ridge, bears S.30°E. and N.30°W.; desc. 21 ft. along W. slope.
11.48	Ravine, course W.; asc. 120 ft. over NW. slope.
20.00	Spur, slopes W.; desc. 66 ft. over SW. slope.
29.80	Ravine, course W.; asc. 16 ft.
34.00	Spur, slopes W.; desc. 52 ft. over SW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., on bedrock, with a cross (X) mkd. at base of post, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd. $\frac{1}{4}$ S 33 S 34 1941
	From this point Cor. No. 5 Sur. No. 3719 Ophir Marble Placer, bears S.88°31'W., 20.29 chs. dist.; a limestone, mkd. with a cross (X) on top, and 5-3719-0., and witnessed as described in the official record. Desc. 30 ft. along W. slope.
41.00	Spur, slopes W.; desc. 20 ft.
43.00	Ravine, course W.
50.00	Bottom of canyon, course N.30°W.; asc. 561 ft. over NE. slope.
67.00	Drain, course N.60°E.
72.00	Spur, slopes E.
75.80	Drain, course E.
81.10	The cor. of secs. 33 and 34 on the S. bdy. of the Tp. Land, mountainous. Soil, rocky, 4th rate. Timber, scattering juniper, pine and oak; undergrowth, mesquite, laurel, ocotillo and cacti.

T. 16 S., R. 23 E.

BOOK 2822

FINAL TEST OF SOLAR ATTACHMENT.

March 24, 1941: On the meridian hereinbefore described, at 9h 00m a.m., app. t., I set off $32^{\circ}01'45''$ N., on the lat. arc; $1^{\circ}27'40''$ N., on the decl. arc; and orient the instrument with the solar; the line of sight agrees with the meridian established by Polaris observation.

At 3h 00m p.m., app. t., I set off $32^{\circ}01'45''$ N. on the lat. arc; $1^{\circ}33'34''$ N. on the decl. arc; and repeat the test of the solar; the line of sight agrees with the meridian established by Polaris observation.

March 24, 1941.

GENERAL DESCRIPTION.

The land embraced within **this part** of T. 16 S., R. 23 E., is mountainous, **and** lies at the northern end of the Dragoon Mountains. The general elevation of the township is about 4,430 to 6,530 ft. above sea level. Dragoon Peak is located near the center of sec. 34. The soil is sandy loam, 2nd rate in the valleys, and rocky, 4th rate in the mountains. The timber is scattering juniper, pinyon pine and oak. The undergrowth is mesquite mescal, soto bush, thornbush, laurel, ocotillo and cacti. An earthen reservoir $2\frac{1}{2}$ chs. in diam. is located in the NE $\frac{1}{4}$ of sec. 35. There are several unpatented mineral claims within the township.

The mean magnetic declination is $13^{\circ}40'$ E.

21
200
CERTIFICATE OF SURVEYOR

I, Raymond F. Moss, Assistant Cadastral Engineer, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 20th day of September 1940 received from the district cadastral engineer for Arizona, with assignment instructions dated November 4, 1940, I have ~~surveyed~~ resurveyed a Portion of the North Boundary of Township 17 South, Range 23 East and a Portion of the Subdivision of Township 16 South, Range 23 East, and surveyed a Portion of the Subdivision of Township 16 South, Range 23 East of the Gila & 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.

Phoenix, Arizona
January 31, 1942

Raymond F. Moss
Assistant Cadastral Engineer
General Land Office

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,
Denver, Colorado, April 12, 1945.

The foregoing field notes of the ^{re} survey of A Portion of the North Boundary of Township 17 South, Range 23 East, and a Portion of the Subdivision of Township 16 South, Range 23 East, and the Survey of a Portion of the Subdivision of Township 16 South, Range 23 East of the Gila and Salt River Meridian, State of Arizona executed by Raymond F. Moss, Assistant Cadastral Engineer, under special instructions dated September 20, 1940, and assignment instructions dated November 4, 1940, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

[Signature]
Supervisor of Surveys.

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 on file in the public survey office.~~

~~_____
Supervisor of Surveys.~~