

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

Book H

BOOK 4330

FIELD NOTES

OF THE

Survey of a Portion of the West Boundary,

and a Portion of the Subdivisional Lines

Completing the Subdivision of

Township 8 North, Range 10 West.

4330

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Raymond F. Moss, Public Land Surveyor.

General Land Office

Under special instructions dated July 13, 1939, which provided

for the surveys included under Group No. 228, bearing the approval of the

Commissioner of the General Land Office under date of August 23, 1939

and assignment instructions dated November 22, 1939

Survey commenced April 9, 1940

Survey completed April 20, 1940

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BOOK 4330

INDEX DIAGRAM.

Township 8 North, Range 10 West

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Township 8 North, Range 10 West.

The surveys hereinafter described were executed with Gurley solar transit No. 371537. Equipped with the Smith solar attachment, constructed in accordance with the standard specifications of the General Land Office. The instrument was in good condition and having been placed in satisfactory adjustment prior to the beginning of the survey and tested and found free from appreciable error, was approved by the district cadastral engineer.

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

The data furnished with the special instructions gives the geographic position of camp, near the center of section 18, T. 8 N., R. 10 W., as follows: latitude $34^{\circ} 02' N.$, and longitude $113^{\circ} 20' W.$

April 9, 1940, at the above station, at 5h 49m p.m. l.m.t. or 6h 22m 18s p.m. by my watch, which reads correct 105th meridional time as determined by radio time signals, 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 horizontal deflection angles from the center of a cactus about one half mile distant, in the direction E-N-W to Polaris.

Mean watch time of observation	6h 22m 18s
Watch fast of l.m.t..	0h 33m 18s

Mean horizontal deflection angle	$3^{\circ} 37' 15''$
Azimuth of Polaris	$1^{\circ} 12' 46''$

Bearing of reference point	N. $2^{\circ} 24' 29''$ E.
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April 10, 1940, every 30 minutes from 7 to 10:30 a.m. and from 1:30 to 5 p.m. make proper settings on the arcs of the solar attachment and ascertain that the resulting orientation of the instrument, when compared with the meridian established by Polaris observation, has a maximum error of less than $1' 30''$.

The tests of the arcs are repeated daily by noon observation, and the meridional indications are verified at frequent intervals throughout the survey.

Survey of a Portion of the West Bdy. of T. 8 N., R. 10 W.

From the $\frac{1}{4}$ sec. cor. of secs. 13 and 18, T. 8 N., Rs. 10 and 11 W., as evidenced by an iron post, 1 in. diam., set, marked and witnessed as described in the official record.

North, bet. secs. 13 and 18.

Over rolling land, through scattering timber and undergrowth.

Descend 21 ft. over a NE. slope.

9.00 Ravine, course S. 30° E., about 20 ft. deep at this point; asc. 163 ft. over SW. slope. Leave rolling, enter mountainous land.

Survey of a Portion of the West Bdy. of T. 8 N., R. 10 W.

Chains 26.20	Ravine, course SW.; asc. 235 ft. over a S. slope.
40.00	Set an iron post, 3 ft. long, 2 ins. diam., over + marked on solid surface rock, and in a mound of stone to top at cor. of secs. 7, 12, 13 and 18, with brass cap marked
	T8N R11W R10W S12 S7 S13 S18 1940
	Land, S. 15 chs., rolling; remainder, mountainous. Soil, rocky, 4th rate. Timber, palo verde, ironwood and mesquite; undergrowth, greasewood, ocotillo, sage and cactus.

	North, bet. secs. 7 and 12.
	Over mountainous land, through scattering timber and undergrowth.
	Ascend 67 ft. over a S. slope.
2.30	Short spur, slopes W.; continue ascent 275 ft. over SW. slope.
18.60	Spur, slopes W. about 8 chs. dist. to end; desc. 166 ft. over precipitous NW. slope.
24.50	Ravine, -course SW.; asc. 308 ft. over steep S. slope.
29.30	Sharp spur, slopes SE. about 2 chs. to end; desc. 122 ft. over precipitous NE. slope.
32.30	Same ravine, course S. 30° E; asc. 107 ft. over steep, rocky SE. slope.
38.00	Rocky spur, slopes SE.; asc. 17 ft. over broken SE. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, over + marked on bedrock, and in a mound of stone to top, at $\frac{1}{4}$ sec. cor., with brass cap mkd.
	4 S12 S7 1940
	Continue over broken SE. slope.
41.80	Head of ravine, course SE.; asc. 123 ft. over a broken SE. slope.
45.70	Spur, slopes SE.; along nearly level E. slope.
50.20	Head of ravine, course SE.; asc. 92 ft. over broken SE. slope.
54.30	Spur, slopes S. 70° E.; along E. slope.
57.00	Head of ravine, course SE.; asc. 274 ft. over broken SE. slope.
70.60	Spur, slopes SE.; desc. 96 ft. over NE. slope.
74.30	Ravine, course S. 70° E.; asc. 157 ft. over broken SE. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the

Survey of a Portion of the West Bdy. of T. 8 N., R. 10 W.

Chains

ground, over + marked on bedrock, and in a mound of stone to top, at cor. of secs. 1, 6, 7 and 12, with brass cap marked

T8N
R11W R10W
S 1 | S6
S12 | S7
1940

Land, mountainous.
Soil, rocky, 4th rate.
Timber, ironwood, palo verde and mesquite; undergrowth, greasewood, cactus, ocotillo and sage.

North, bet. secs. 1 and 6.

Over mountainous land, through scattering timber and undergrowth.

Asc. 59 ft. over SW. slope.

4.40 Spur, slopes S. 60° E.; desc. 130 ft. over broken NE. slope.

8.10 Ravine, course S. 60° E.; asc. 404 ft. over broken SE. slope.

18.70 Spur, slopes SW.; asc. 142 ft. along a W. slope.

30.50 Same spur, slopes S. 20° E.

31.50 Head of ravine, course S. 60° E.; asc. 290 ft. over S. slope.

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

$\frac{1}{4}$
S1 | S6
1940

Continue over S. slope.

41.90 Spur, slopes SE.; asc. 122 ft. over SE. slope.

51.30 Spur, slopes S. 60° E.; desc. 23 ft. over NE. slope.

53.30 Ridge, bears N. 20° E. and S. 20° W.; desc. 337 ft. over N. slope, along top of spur.

65.79 Intersect the 2nd. Stan. Par. N.

Set an iron post, 3 ft. long, 3 ins. diam., 28 ins. in the ground at closing corner of Ts. 8 N., Rs. 10 and 11 W., with brass cap marked

T9N R11W
S36
S1 | S6
R11W R10W
C C
1940

raise a mound
of stone, 4 ft. base, 2½ ft. high, S. of cor.

Survey of a Portion of the West Bdy. of T. 8 N., R. 10 W.

Chains

From point of intersection the standard corner of Ts. 9 N., Rs. 10 and 11 W., as evidenced by an iron post, 3 ins. diam., set, marked and witnessed as described in the official record, bears N. 89° 56' E., 14.37 chs. dist.

From same point the standard 1/4 sec. cor., S. bdy. Sec. 36, T. 9 N., R. 11 W., as evidenced by an iron post, 1 in. diam., set, marked and witnessed as described in the official record, bears S. 89° 56' W., 25.57 chs. dist.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, ironwood, palo verde and mesquite; undergrowth, greasewood, cactus, cats claw, and scrub oak.

Subdivision of a Portion of T. 8 N., R. 10 W.

From the cor. of secs. 2, 3, 10 and 11, as evidenced by an iron post, 2 ins. diam., set, marked and witnessed as described in the official record.

N. 0° 01' W., on true line, bet. secs. 2 and 3.

Over rolling land, through scattering timber and undergrowth. Along E. slope.

2.10 Head of a ravine, course E.

6.50 Short spur, slopes E.; desc. 63 ft. over a N. slope.

9.90 Head of a ravine, course N. 75° E.; desc. 45 ft. along NE, slope.

18.40 Road, bears N. 60° W. and S. 60° E.

20.40 Wash, 20 lks. wide, course SE.; asc. 92 ft. over SW. slope.

32.40 Spur, slopes S. 10° E.; asc. 31 ft. along E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground at 1/4 sec. cor., with brass cap marked

S3|S2

1940

raise a mound

of stone, 3 ft. base, 2 1/2 ft. high, W. of cor.

Ascend 21 ft. along E. slope.

41.50 Short spur, slopes SE.; asc. 37 ft. along E. slope.

53.10 Wash, 20 lks. wide, course SE.; asc. 81 ft. over S. slope.

65.30 Intersect the 2nd. Stan. Par. N.

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground at closing corner of secs. 2 and 3, with brass cap marked

T9N R10W

S34

S3|S2

T8N R10W

C C

1940

raise a mound

of stone, 3 ft. base, 2 1/2 ft. high, S. of cor.

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains

From point of intersection, the standard corner of secs. 34 and 35, T. 9 N., R. 10 W., as evidenced by an iron post, 3 ins. diam., set, marked and witnessed as described in the official record, bears N. 89° 59' E., 13.73 chs. dist.

From same point, the standard $\frac{1}{4}$ sec. cor., S. bdy. sec. 34, T. 9 N., R. 10 W., as evidenced by an iron post, .1 in. diam., set, marked and witnessed as described in the official record, bears S. 89° 59' W., 26.23 chs. dist.

Land, rolling.

Soil, rocky, 4th rate.

Timber, palo verde and ironwood; undergrowth, greasewood, cactus, cats claw and scrub oak.

At midpoint on the N. bdy. of sec. 2

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, over + marked on bedrock at $\frac{1}{4}$ sec. cor. of sec. 2, with brass cap marked

$\frac{1}{4}$ S 2
1940

From this corner, the standard $\frac{1}{4}$ sec. cor., S. bdy. sec. 35, T. 9 N., R. 10 W., as evidenced by an iron post, .1 in. diam., set, marked and witnessed as described in the official record, bears N. 89° 58' E., 13.61 chs. dist.

From same corner, the standard corner of secs. 34 and 35, T. 9 N., R. 10 W., bears S. 89° 58' W., 26.26 chs. dist.

From cor. of secs. 9, 10, 15 and 16, as evidenced by an iron post, 2 ins. diam., set, marked and witnessed as described in the official record.

N. 0° 02' W., bet. secs. 9 and 10.

Over rolling land, through scattering timber and undergrowth.

- 6.40 Wash, 10 lks. wide, course SE.; asc. 21 ft. over SW. slope.
- 14.70 Ravine, course S. 20° E.; asc. 26 ft. over S. slope.
- 29.00 Draw, course S. 30° E.; asc. 78 ft. over S. slope.
- 37.20 Drain, course SE.; asc. 10 ft. over S. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, over + marked on bedrock, and in a mound of stone to top, at $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$
S9|S10
1940
- Ascend 34 ft. over S. slope.
- 41.70 Dim road, bears NW. and SE.
- 45.00 Low spur, slopes SE.; asc. 5 ft. over SE. slope.
- 55.00 Descend 7 ft. over NE. slope.
- 58.30 Ravine, course S. 50° E.; asc. 24 ft. over SW. slope.

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains	
60.00	Spur, slopes SE. Along E. slope.
65.00	Ravine, course S. 30° E.; asc. 46 ft. over SW. slope.
68.90	Spur, slopes SE.; desc. 17 ft. over NE. slope.
79.90	Draw, course S. 20° E.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground at cor. of secs. 3, 4, 9 and 10, with brass cap marked
	T8N R10W S4 S3 S9 S10 1940
	raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, rolling. Soil, rocky, 4th rate. Timber, ironwood, palo verde and mesquite; undergrowth, greasewood, sage, ocotillo and cactus.

	N. 89° 52' E., on a random line, bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
80.20	Intersect N. and S. line 12 lks. S. of cor. of secs. 2, 3, 10 and 11.
	Thence

	S. 89° 47' W., on true line, bet. secs. 3 and 10.
	Over rolling land, through scattering timber and undergrowth.
	Ascend gradual E. slope.
0.80	Ridge, bears N. 10° W. and S. 10° E.; desc. 107 ft. over NW. slope.
23.00	Road, in wash, 30 lks. wide, course S. 20° W.
26.30	Wash, 10 lks. wide, course S.; asc. 39 ft. over E. slope.
32.20	Top of ascent; desc. 59 ft. over W. slope.
34.70	Ravine, course S.; across end of spur from N.
36.20	Wash, 30 lks. wide, course S. 30° E.; asc. 17 ft. over E. slope.
40.10	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground at ¼ sec. cor., with brass cap marked
	S3 ¼ — S10 1940
	raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
48.50	Wash, 10 lks. wide, course S. 30° W.
57.90	Wash, 15 lks. wide, course S.
62.50	Drain, course S. 10° E.

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains	
68.70	Spur, slopes S.; desc. 44 ft. over W. slope.
74.00	Ravine, course S. 15° E.; asc. 32 ft. over E. slope.
76.70	Spur, slopes S.; desc. 32 ft. over W. slope.
80.20	The cor. of secs. 3, 4, 9 and 10.
	Land, rolling.
	Soil, rocky, 4th rate.
	Timber, palo verde and ironwood; undergrowth, greasewood, cactus, ocotillo and sage.

	N. 0° 02' W., on true line, bet. secs. 3 and 4.
	Over rolling land, through scattering timber and undergrowth.
	Across bottom land.
3.10	Leave bottom land; asc. 97 ft. over S. slope.
8.30	Spur, slopes E.; desc. 30 ft. over N. slope.
10.70	Deep wash, 20 lks. wide, course S. 60° E.; asc. 104 ft. over S. slope.
29.90	Ravine, course S. 30° E.; asc. 131 ft. over S. slope.
36.00	Short spur, slopes W., about 4 chs. to end; desc. 17 ft. over N. slope.
37.20	Head of ravine, course S. 75° W.; asc. 45 ft. over S. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, over + marked on bedrock, and in a mound of stone to top at 1/4 sec. cor., with brass cap marked
	$\frac{1}{4}$ S4 S3 1940
	Ascend 20 ft. over S. slope.
42.40	Spur, slopes SE.; continue ascent of 182 ft. over S. slope.
46.40	Short spur, slopes E.; desc. 12 ft. along an E. slope.
54.40	Short spur, slopes E.; desc. 44 ft. over N. slope.
59.60	Ravine, course SE.; asc. 176 ft. over S. slope.
63.70	Spur, slopes E.; desc. 45 ft. over NE. slope.
65.54	Intersect the 2nd Stan. Par. N.
	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 at closing corner of secs. 3 and 4, with brass cap marked
	T8N R10W S33 S4 S3 T8N R10W C. C. 1940
	raise a mound
	of stone, 4 ft. base, 3 ft. high, S. of cor.

BOOK 400

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains

From point of intersection, the standard corner of secs. 33 and 34, T. 9 N., R. 10 W., as evidenced by an iron post, 3 ins. diam., set, marked and witnessed as described in the official record, bears N. 89° 58' E., 13.87 chs. dist.

From the same point, the standard 1/4 sec. cor., S. bdy. of sec. 33, T. 9 N., R. 10 W., as evidenced by an iron post, 1 in. diam., set, marked and witnessed as described in the official record, bears S. 89° 58' W., 25.98 chs. dist.

Land, rolling.

Soil, rocky, 4th rate.

Timber, palo verde and ironwood; undergrowth, greasewood, cactus and sage..

At midpoint on the N. bdy. of sec. 3.

Set an iron post, 3 ft. long, .1 in. diam., 14 ins. in the ground, over + marked on bedrock, and in a mound of stone to top at 1/4 sec. cor. of sec. 3, with brass cap marked

1/4 S 3
1940

From this corner, the standard 1/4 sec. cor., S. bdy. sec. 34, T. 9 N., R. 10 W., bears S. 89° 54' E., 13.82 chs, dist.

From the same corner, the standard corner of secs. 33 and 34, T. 9 N., R. 10 W., bears N. 89° 54' W., 26.18 chs. dist.

From the cor. of secs. 16, 17, 20 and 21, as evidenced by an iron post, 2 ins. diam., set, marked and witnessed as described in the official record.

N. 0° 02' W., bet. secs. 16 and 17.

Over rolling land, through scattering timber and undergrowth.

12.50 Ravine, at junction of ravines from N. 10° W. and NW., course S. 20° E.

38.00 Wash, 10 lks. wide, course SE.; asc. 21 ft. over S. slope.

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, at 1/4 sec. cor., with brass cap marked

1/4
S17|S16
1940

from which

An ironwood, 8 ins. diam., bears S. 31 1/4° E., 158 lks. dist., marked 1/4 S 16 B T.

An ironwood, 10 ins. diam., bears S. 24 1/2° W., 147 lks. dist., mkd. 1/4 S 17 B T.

Asc. 57 ft. over S. slope.

44.90 Low lava hill, extends 10 chs. E. and 10 chs. W.; desc. 23 ft. over a N. slope.

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains	
50.00	Foot of descent; asc. 57 ft. over gradual S. slope.
59.90	From this point, a black, lava hill, bears E., about 20 chs. dist.
69.00	Wash, 8 lks. wide, course S. 10° E.; asc. 60 ft. over S. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam.; 14 ins. in the ground, over + marked on bedrock, and in a mound of stone to top, at cor. of secs. 8, 9, 16 and 17, with brass cap marked
	T8N R10W S8 S9 S17 S16 1940
	Land, rolling. Soil, rocky, 4th rate. Timber, ironwood and palo verde; undergrowth, greasewood, cactus, ocotillo, sage and cats claw.

	N. 89° 52' E., on a random line, bet. secs. 9 and 16.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line 16 lks. N. of cor. of secs. 9, 10, 15 and 16.
	Thence.
	S. 89° 59' W., on true line, bet. secs. 9 and 16.
	Over rolling land, through scattering timber and undergrowth.
2.70	Old road, bears N. 30° W. and S. 30° E.
9.10	Ravine, 20 ft. deep, course S.
13.20	Wash, 60 lks. wide, course S. 15° E.
21.80	Dim road, bears N. and S.
26.70	Wash, 15 lks. wide, course S. 30° E.
30.70	Ravine, course S. 60° E.
39.95	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, over + marked on bedrock, and in a mound of stone to top, at $\frac{1}{4}$ sec. cor., with brass cap marked
	S9 $\frac{1}{4}$ S16 1940
48.80	Wash, 10 lks. wide, course S.
51.80	Wash, 20 lks. wide, course S. 10° E.
71.40	Road, bears N. 30° W. and S. 30° E. in a wash, 15 lks. wide, course S. 10° E. Along gentle S. slope.
79.90	Cor. of secs. 8, 9, 16 and 17.
	Land, rolling. Soil, rocky, 4th rate. Timber, palo verde and ironwood; undergrowth, greasewood, cactus, ocotillo, cats claw and sage.

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains

N. 0° 02' W., bet. secs. 8 and 9.

Over rolling land, through scattering timber and undergrowth.

Ascend 23 ft. over S. slope.

8.50 Wash, 8 lks. wide, course S. 30° E.; asc. 58 ft. over S. slope.

21.10 Draw, course S. 25° E.; asc. 86 ft. over S. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground at 1/4 sec. cor., with brass cap marked

1/4
S8|S9
1940

from which

An ironwood, 8 ins. diam., bears N. 71 1/4° E., 110 lks. dist., marked 1/4 S 9 B T.

An ironwood, 6 ins. diam., bears N. 7° W., 79 lks. dist., marked 1/4 S 8 B T.

44.00 Wash, 50 lks. wide, course S. 30° E.; asc. 132 ft. over S. slope.

69.90 Ravine, 25 ft. deep, course SE.; asc. 60 ft. over S. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground, over + marked on bedrock, and in a mound of stone to top, at cor. of secs. 4, 5, 8 and 9; with brass cap marked

T8N R10W
S5|S4
S8|S9
1940

Land, rolling.

Soil, rocky, 4th rate.

Timber, palo verde and ironwood; undergrowth, greasewood, cactus, cats claw and sage.

N. 89° 59' E., on a random line, bet. secs. 4 and 9.

40.00 Set temp. 1/4 sec. cor.

79.82 Intersect N. and S. line 2 lks. N. of cor. of secs. 3, 4, 9 and 10.

Thence

West, on true line, bet. secs. 4 and 9.

Over rolling land, through scattering timber and undergrowth.

0.10 Draw, drains SE.; asc. 55 ft. over a NE. slope.

4.70 Spur, slopes SE.; desc. 27 ft. over a W. slope.

6.40 Head of a ravine, course S. 30° E.; asc. 57 ft. over E. slope.

9.70 Spur, slopes S.; desc. 20 ft. over a W. slope.

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains	
13.10	Ravine, course S. .
30.10	Wash, 10 lks. wide, course S. 30° E.; asc. 110 ft. over E. slope.
37.00	Spur, slopes S. 20° E.; desc. 66 ft. over W. slope.
39.91	Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, over + marked on bedrock, and in a mound of stone to top at $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} .S4 \\ 4 \overline{)39} \\ 1940 \end{array}$
	Desc. 61 ft. over W. slope.
45.30	Ravine, course S.; asc. 35 ft. over NE. slope.
47.90	Spur, slopes S. 20° E.; desc. 55 ft. over W. slope.
53.10	Wash, 10 lks. wide, course S.; over point of spur, slopes S.
55.90	Ravine, course S. 30° E.; about 10 chs. NW. to head; asc. 75 ft. over E. slope.
63.30	Spur, slopes S.; asc. 25 ft. over E. slope, across a swale.
70.30	Spur, slopes S.; desc. 31 ft. over W. slope.
72.10	Wash, 20 lks. wide, course S.
79.82	Corner of secs. 4, 5, 8 and 9.
	Land, rolling. Soil, rocky, 4th rate. Timber, palo verde and ironwood; undergrowth, greasewood, cactus, ocotillo and sage.

	N. 0° 02' W., on true line, bet. secs. 4 and 5.
	Over rolling land, through scattering timber and undergrowth.
	Ascend 25 ft. over S. slope.
6.20	Ravine, .25 ft. deep, course SE.; asc. 50 ft. over S. slope. Leave rolling land, enter mountainous land.
15.60	Ravine, 20 ft. deep, course S. 60° E.; asc. 131 ft. over S. slope.
29.90	Ravine, course S. 20° E.; asc. 69 ft. over a SW. slope.
31.00	Point of a spur, from N. 15° E.; desc. 69 ft. over a NW. slope.
34.40	Same ravine, course S. 10° W.; asc. 131 ft. over broken SE. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam.; over + marked on solid surface rock, and in a mound of stone to top at $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} 4 \\ S5 S4 \\ 1940 \end{array}$

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains

Ascend 153 ft. over broken SE. slope.

45.50 Spur, slopes SW.; asc. 161 ft. over broken SW. slope.

52.40 Ravine, near head, course S. 15° W.; asc. 435 ft. over broken SE. slope.

61.90 Spur, slopes S. 50° E.; desc. 30 ft. over NE. slope.

63.60 Ravine, course E.; asc. 55 ft. over SE. slope.

65.56 Intersect 2nd Stan. Par. N.

Set an iron post, 3 ft. long, 2 ins. diam., over + marked on solid surface rock, and in a mound of stone to top, at closing corner of secs. 4 and 5, with brass cap mkd.

T9N R10W

S32

S5 | S4
T8N | R10W

C. C.

1940

From point of intersection, the standard corner of secs. 32 and 33, T. 9 N., R. 10 W., as evidenced by an iron post, 3 ins. diam., set, marked and witnessed as described in the official record, bears S. 89° 58' E., 13.87 chs. dist.

From the same point, the standard $\frac{1}{4}$ sec. cor., S. bdy. sec. 32, T9N, R10W, as evidenced by an iron post, 1 in. diam., set, marked and witnessed as described in the official record, bears N. 89° 58' W., 25.91 chs. dist.

Land, S. 6 chs., rolling, remainder, mountainous.

Soil, rocky, 4th rate.

Timber, palo verde and ironwood; undergrowth, greasewood, cactus, ocotillo and sage.

The true point for the $\frac{1}{4}$ sec. cor. of sec. 4, midpoint on the N. bdy. of said sec., falls on a steep slope, an unsuitable place to monument the corner.

At a point on the N. bdy. of sec. 4, 39.41 chs. in departure from the closing corner of secs. 4 and 5 and N. 89° 50' W., 50 lks. dist. from the true point for $\frac{1}{4}$ sec. cor. of sec. 4.

Set an iron post, 3 ft. long, 1 in. diam., over + marked on solid surface rock, and in a mound of stone to top, at witness $\frac{1}{4}$ sec. cor. of sec. 4, with brass cap marked

$\frac{1}{4}$ S. 4. WC

1940

From the true point for $\frac{1}{4}$ sec. cor. of sec. 4, the standard $\frac{1}{4}$ sec. cor. of sec. 33, T. 9 N., R. 10 W., bears S. 89° 50' E., 13.93 chs. dist.

From the same point, the standard cor. of secs. 32 and 33, T. 9 N., R. 10 W., bears N. 89° 50' W., 26.04 chs. dist.

From the cor. of secs. 17, 18, 19 and 20, as evidenced by an iron post, 2 ins. diam., set, marked and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 17 and 18

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains	
	Over rolling land, through scattering timber and undergrowth. Asc. 46 ft. over S. slope.
28.00	Top of black lava hill, bears W. about 10 chs. distant and is about 75 ft. high.
30.00	Head of drain, course S. 20° W.; asc. 34 ft. over S. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, over + marked on bedrock, and in a mound of stone to top, at $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;"> $\frac{1}{4}$ S18 S17 1940 from which An ironwood, 10 ins. diam., bears N. 30$\frac{1}{4}$° E., 186 lks. dist., marked $\frac{1}{4}$ S 17 B T. An ironwood, 4 ins. diam., bears S. 65$\frac{3}{4}$° W., 93 lks. dist., marked $\frac{1}{4}$ S 18 B T. Ascend 23 ft. over a S. slope. </div>
50.00	Wash, 25 lks. wide, course S. 10° E.; asc. 63 ft. over a S. slope.
70.70	Ravine, 25 ft. deep, course S. 30° E.; asc. 74 ft. over S. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground, over + marked on bedrock, and in a mound of stone to top at cor. of secs. 7, 8, 17 and 18, with brass cap marked <div style="text-align: center;"> T8N R10W S7 S8 S18 S17 1940 from which An ironwood, 4 ins. diam., bears S. 40° E., 76 lks. dist., marked T 8 N R 10 W S 17 B T. An ironwood, 6 ins. diam., bears S. 26$\frac{3}{4}$° W., 182 lks. dist., marked T 8 N R 10 W S 18 B T. Land, rolling. Soil, rocky, 4th rate. Timber, ironwood, palo verde and mesquite; undergrowth, greasewood, cactus, ocotillo and sage. </div>
	N. 89° 51' E., on a random line, bet. secs. 8 and 17.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line 30 lks. N. of cor. of secs. 8, 9, 16 and 17.
	Thence N. 89° 56' W., on true line, bet. secs. 8 and 17. Over rolling land, through scattering timber and undergrowth. Along a S. slope.

BOOK

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains	
2.90	Ravine, course S. 30° E.
10.40	Ravine, course S.
20.00	Wash, 10 lks. wide, course S. 20° W.
29.80	Wash, 20 lks. wide, course S. 15° W.
36.90	Ravine, course S.
39.10	Small drain, course S. 30° E. Along S. slope.
40.04	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, at $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} \frac{1}{4} \text{ S8} \\ \hline \text{S17} \\ 1940 \end{array}$
	raise a mound
	of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
	Ascend 20 ft. along a S. slope.
54.10	Ravine, course S. 20° E.; asc. 23 ft. along a S. slope.
75.40	Ravine, near head, course S. 15° W.; asc. 20 ft. along a S. slope.
80.08	Cor. of secs. 7, 8, 17, and 18.
	Land, rolling.
	Soil, rocky, 4th rate.
	Timber, palo verde, ironwood and mesquite; undergrowth, greasewood and cactus.

	S. 89° 55' W., on a random line, bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
76.58	Intersect W. bdy. of Tp. 5 lks. N. of cor. of secs. 7, 12, 13 and 18.
	Thence
	N. 89° 53' E., on true line, bet. secs. 7 and 18.
	Over rolling land, through scattering timber and undergrowth.
	Along S. slope.
8.20	Ravine, course S. 20° W.; asc. 121 ft. over a W. slope.
12.90	Spur, slopes S.; desc. 129 ft. over steep E. slope.
18.40	Ravine, course S.; asc. 175 ft. over W. slope.
22.10	Spur, slopes S.; desc. 22 ft. over E. slope.
24.10	Ravine, course S.; asc. 28 ft. over W. slope.
26.60	Descend 36 ft. along S. slope.
30.50	Spur, slopes S. 75° E.; desc. 149 ft. over steep NE. slope.
36.58	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, over + marked on bedrock, and in a mound of stone to top at $\frac{1}{4}$ sec. cor., with brass cap marked

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains	
	$\frac{S7}{S18}$ 1940
	Descend 157 ft. over NE. slope.
46.00	Wash, 15 lks. wide, course S. 20° E.; along S. slope.
53.00	Wash, 20 lks. wide, course S. 30° E., in canyon about 30 ft. deep. Along S. slope.
72.30	Wash, 20 lks. wide, course S. 20° E.; asc. 32 ft. along a S. slope.
76.58	Cor. of secs. 7, 8, 17 and 18.
	Land, rolling. Soil, rocky, 4th rate. Timber, palo verde, ironwood and mesquite; undergrowth, greasewood, cactus, ocotillo and sage.

	N. 0° 03' W., bet. secs. 7 and 8.
	Over rolling land, through scattering timber and undergrowth.
	Ascend 160 ft. over S. slope.
26.70	Drain, near head, course S. 20° E.; asc. 82 ft. over S. slope.
39.00	Draw, near head, course SE.; asc. 29 ft. over S. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, over + marked on bedrock, and in a mound of stone to top at 4 sec. cor., with brass cap marked
	$\frac{S7}{S8}$ 1940
	Ascend 55 ft. over S. slope.
54.30	Ravine, course S. 60° E.; about 25 ft. deep.
64.90	Ravine, course S. 70° E.; asc. 46 ft. over SW. slope. Enter mountainous land.
67.40	Spur, slopes SE.; asc. 70 ft. over broken E. slope.
76.30	Ravine, near head, course S. 70° E.; asc. 95 ft. over SW. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground at cor. of secs. 5, 6, 7 and 8, with brass cap marked
	T8N R10W $\frac{S6}{S7} \frac{S5}{S8}$ 1940
	of stone, 3 ft. base, 2½ ft. high, W. of cor. raise a mound
	Land, rolling. Soil, rocky, 4th rate. Timber, palo verde, ironwood, and mesquite; undergrowth, greasewood, cactus, ocotillo and sage.

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains	S. 89° 56' E., on a random line, bet. secs. 5 and 8.
40.00	Set temp. 1/4 sec. cor.
80.12	Intersect N. and S. line 5 lks. S. of cor. of secs. 4, 5, 8 and 9.
	Thence
	N. 89° 58' W., on true line, bet. secs. 5 and 8.
	Over rolling land, through scattering timber and undergrowth.
3.70	Ravine, course S. 15° E.; asc. 67 ft. over E. slope.
14.50	Ravine, 20 ft. deep, course S.
20.40	Ravine, course S. 20° E.
26.40	Ravine, course SE.; asc. 91 ft. over NE. slope.
40.06	True point for 1/4 sec. cor., falls in deep ravine, course S. where it is impracticable to monument the cor.
40.56	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, over + marked on bedrock, and in a mound of stone to top at witness 1/4 sec. cor., with brass cap marked
	$\frac{S5}{S8} WC$ 1940
42.30	Ravine, course S. 30° E.; asc. 29 ft. over NE. slope.
48.40	Point of spur, slopes S. 30° E.
51.10	Deep wash, 20 lks. wide, course S. 60° E.; asc. 107 ft. over NE. slope.
65.80	Top of ascent; desc. 5 ft. over SW. slope.
67.40	Ravine, course SE.; asc. 69 ft. over NE. slope. Leave rolling land, enter mountainous land.
70.60	Spur, slopes S. 30° E.; desc. 64 ft. over SW. slope.
80.12	Cor. of secs. 5, 6, 7 and 8.
	Land, rolling. Soil, rocky, 4th rate. Timber, palo verde, ironwood and mesquite; undergrowth, greasewood, cactus, ocotillo and sage.

	S. 89° 53' W., on a random line, bet. secs. 6 and 7.
40.00	Set temp. 1/4 sec. cor.
76.51	Intersect W. bdy. of Tp. 7 lks. N. of cor. of secs. 1, 6, 7 and 12.
	Thence
	N. 89° 50' E., on true line, bet. secs. 6 and 7.
	Over mountainous land, through scattering timber and undergrowth.
	Ascend SW. slope.

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains	
7.00	Spur, slopes S. 60° E.; desc. 581 ft. over NE. slope.
19.70	Ravine, course S. 30° E.; asc. 189 ft. over broken SW. slope.
33.50	Spur, slopes S. 15° E.; desc. 27 ft. over SE. slope.
36.51	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, at $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S6}{S7}$
	1940
	raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
	Descend 506 ft. over SE. slope.
53.70	Ravine, course S. 15° E.; asc. 209 ft. over W. slope.
63.40	Spur, slopes S.; desc. 294 ft. over E. slope.
72.50	Ravine, near head, course S. 20° E.; asc. 22 ft. over SW. slope.
76.51	The cor. of secs. 5, 6, 7 and 8.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, palo verde, ironwood and mesquite; undergrowth, greasewood, cactus, cats claw and sage.

N. 0° 03' W., on true line, bet. secs. 5 and 6.

Over mountainous land, through scattering timber and undergrowth.

Ascend 207 ft. over SW. slope.

6.20 Spur, slopes SE.; desc. 56 ft. over NE. slope.

9.30 Ravine, course SE.; asc. 161 ft. over SW. slope.

17.90 Short, rocky spur, slopes S. 60° E.; desc. 117 ft. over NE. slope.

21.30 Ravine, course SE.; asc. 225 ft. over W. slope.

37.20 Same ravine, course S. 70° W.; asc. 66 ft. over a SE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam. 28 ins. in the ground, at $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{S6}{S5}$$

1940

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

Ascend 72 ft. along an E. slope.

46.10 Same ravine, course S. 20° E.; asc. 528 ft. over broken SW. slope.

65.66 Intersect 2nd Stan. Par. N.

Set an iron post, 3 ft. long, 2 ins. diam., 11 ins. in the

Subdivision of a Portion of T. 8 N., R. 10 W.

Chains

ground, over + marked on bedrock, and in a mound of stone to top, at closing corner of secs. 5 and 6, with brass cap marked.

T9N R10W

S31

S6 | S5

T8N R10W

C. C.

1940

From point of intersection, the standard cor. of secs. 31 and 32, T. 9 N., R. 10 W., as evidenced by an iron post, 3 ins. diam., set, marked and witnessed as described in the official record, bears S. 89° 48' E., 14.08 chs. dist.

From the same point, the standard 1/4 sec. cor. of sec. 31, S. bdy, T. 9 N., R. 10 W., as evidenced by an iron post, 1 in. diam., set, marked and witnessed as described in the official record, bears N. 89° 48' W., 25.90 chs. dist.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, palo verde, ironwood and mesquite; undergrowth, greasewood, cactus, ocotillo and sage.

The point for the 1/4 sec. cor. of sec. 5, midpoint on the N. bdy, of said section, falls on a precipitous slope, an unsuitable place to monument the corner.

At a point on the N. bdy. of sec. 5, 39.57 chs. in departure from the closing cor. of secs. 5 and 6, and S. 89° 45' W. 50 chs. from the true point for 1/4 sec. cor. of sec. 5

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for witness 1/4 sec. cor. of sec. 5, with brass cap marked

W C

1/4 S 5

1940

From the true point for the 1/4 sec. cor. of sec. 5, the standard 1/4 sec. cor. of sec. 32, S. bdy, T. 9 N., R. 10 W., bears N. 89° 45' E., 14.16 chs. dist.

From the same point, the standard cor. of secs. 31 and 32, T. 9 N., R. 10 W., bears S. 89° 45' W., 25.99 chs. dist.

At a point on the N. bdy. of sec. 6, 40.00 chs. in departure from the closing cor. of secs. 5 and 6

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, over + marked on bedrock, and in a mound of stone to top, at 1/4 sec. cor. of sec. 6, with brass cap marked

1/4 S 6

1940

From this corner, the standard 1/4 sec. cor. of sec. 31, S. bdy. of T. 9 N., R. 10 W., bears N. 89° 55' E., 14.10 chs. dist.

From the same corner, the standard cor. of Ts. 9 N., Rs. 10 and 11 W., bears S. 89° 55' W., 21.96 chs. dist.

Retracement of Mineral Survey No. 2467.

Chains	
	From cor. No. 3 of North Star lode, on line 1-2 of Emily lode, which is a granite stone, 12x4 ins., 12 ins. above ground, mkd. NS 3-2467 on E. face.
	N. 34° 05' W., along line 1-2 of Emily lode.
4.30	Intersect the line bet. secs. 2 and 11.
	From point of intersection the cor. of secs. 2, 3, 10, and 11 bears S. 89° 57' W., 29.63 chs. dist.; an iron post, 2 ins. diam., set, mkd., and witnessed as described in the official record.
	From the same point the $\frac{1}{2}$ sec. cor. of secs. 2 and 11, bears N. 89° 57' E., 10.38 chs. dist.; an iron post, 1 in. diam., set, mkd., and witnessed as described in the official record.
11.56	Cor. No. 2 of Emily lode which is a granite stone, 12x6 ins., 14 ins. above ground, mkd. E 2-2467 on N. face, with a mound of stone, 3 ft. base, 2 ft. high, SW. of cor.
	N. 82° 45' E., along line 2-3 of Emily lode.
4.49	N. end center cor. of Emily lode, which is a granite stone, 12x6 ins., 10 ins. above ground, mkd. N C E E 2467 on E. face.
8.92	Cor. No. 3 of Emily lode, on line 1-2 of Steller lode, which is a sandstone, 8x8 ins., 20 ins. above ground, mkd. E 3-2467 on W. face.
	N. 34° 45' W., along line 1-2 of Steller lode.
2.11	Cor. No. 2 of Steller lode, which is a limestone, 6x4 ins., 12 ins. above ground, mkd. S 2-2467 on E. face.
	N. 82° 40' E., along line 2-3 of Steller lode.
4.58	N. end center cor. of Steller lode.
9.00	Cor. No. 3 of Steller lode, which is a granite stone, 6x3 ins., 10 ins. above ground, mkd. S 3-2467 on W. face.
	S. 34° 50' E., along line 3-4 of Steller lode.
12.20	Intersect the line bet. secs. 2 and 11.
	From point of intersection the cor. of secs. 1, 2, 11, and 12 bears N. 89° 57' E., 30.91 chs. dist.; an iron post, 2 ins. diam., set, mkd., and witnessed as described in the official record.
	From the same point the $\frac{1}{2}$ sec. cor. of secs. 2 and 11 bears S. 89° 57' W., 9.10 chs. dist.
22.81	Cor. No. 4 of Steller lode, on line 3-4 of Rattler lode, which is a sandstone, 8x4 ins., 10 ins. above ground, mkd. S 4-2467 on W. face.
	N. 82° 44' E., along line 4-3 of Rattler lode.
7.43	Cor. No. 3 of Rattler lode, identical with cor. No. 4 of M. S. No. 3403, Napoleon lode; a lava stone, 6x4 ins., 10 ins. above ground, mkd. R 3-2467 on S. face, and 4 N-3403 on E. face.

BOOK 1330

Final Test of Solar Attachment.

April 28, 1940, on the meridian established April 9, 1940, at 9h 00m a.m. app. t., set off $34^{\circ} 02'$ N. on the lat. arc, $14^{\circ} 15\frac{1}{2}'$ N. on decl. arc and determine a meridian with the solar which agrees with the true meridian.

At 12h 00m app. noon, with lat. arc unchanged, observe the sun on the meridian; the resultant reading of the decl. arc is $14^{\circ} 18'$ N., which agrees with the computed declination of the sun.

At 3h 00m p.m., app. t., with the lat. arc unchanged, set off $14^{\circ} 20'$ N., on decl. arc and determine a meridian with the solar which agrees with the true meridian.

As all of the observations taken during the usual hours of solar work agree within 1' of the true meridian, conclude that the adjustments of the instrument have been maintained during the surveys described in the foregoing notes.

General Description.

The portion of this township comprising secs. 2 to 10 and 16 to 18, incl. lies on the southeast slope of the Harcuvar Mountain Range at its eastern extremity. The southern half of the area described, merges into the rolling north slope of the Mc Mullen Valley. The elevation of the area varies from approximately 2000 to 3500 ft. above sea level. Deep sand washes and ravines, originating in the rocky canyons of the mountain slope, drain the area in a southerly direction. No permanent springs are found in the area.

The soil in the lower areas is 3rd rate, sandy loam and quite rocky. The uplands are extremely rocky and in places precipitous, the soil thereon is of 3rd and 4th rate and very shallow.

The undergrowth is quite heavy and consists principally of palo verde, greasewood, sage, ocotillo, mesquite, cactus, cats claw and oak. On the rolling slopes and drainage channels there is a medium growth of palo verde, ironwood, mesquite and cats claw timber. Sahuaro cactus grows abundantly throughout the entire area.

Patented mineral lands are located in secs. 2 and 10. Mineralization is not heavy in the balance of the Tp. There are no improvements in the area other than those located on patented mineral property. One slightly improved road, enters the S. bdy. of sec. 2, thence runs through sec. 3 and southerly through sec. 10, where it forks, one arm emerging through the S. bdy. and the other through the E. bdy. of sec. 10.

The entire area is adapted to stock grazing and is utilized for this purpose. There are no settlers residing in the township.

Magnetic declination: $15^{\circ} 10'$ E.

22

CERTIFICATE OF SURVEYOR

BOOK 4330

I, **Raymond F. Moss, Assistant Cadastral Engineer**, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 13th day of July, 1939 received from the district cadastral engineer for Arizona, with assignment instructions dated November 22, 1939, I have surveyed a portion of the West Boundary and a portion of the Subdivisional Lines, completing the subdivision of Township 8 North, Range 10 West

of the 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.

Glendale, California

May 23, 1945.

Raymond F. Moss, (deceased)

By John H. Warboys
District Cadastral Engineer

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,

Denver, Colorado, July 13, 1945.

The foregoing field notes of the survey of a portion of the West Boundary and a portion of the Subdivisional Lines of Township 8 North, Range 10 West of the Gila and Salt River Meridian in the State of Arizona

executed by Raymond F. Moss, Public Land Surveyor, General Land Office, under special instructions dated July 13, 1939, and assignment instructions dated November 22, 1939, 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.

W. H. Horton
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.~~