

Book 0

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

BOOK 4246

FIELD NOTES

OF THE

Survey of a Portion of the Subdivisional Lines,

Completing the Subdivision of

Township 9 South, Range 6 East,

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Ty White, Surveyor,

and
Raymond F. Moss, Public Land Surveyor,

General Land Office.

Under special instructions dated October 20, 1938, which provided
for the surveys included under Group No. 225, bearing the approval of the
Commissioner of the General Land Office under date of January 6, 1939
and assignment instructions dated January 12, 1939.

Survey commenced February 23, 1939.

Survey completed February 28, 1939.

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INDEX DIAGRAM.

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Survey of a portion of the subdivisonal lines of T. 9 S., R. 6 E. 443

Chains

The survey herein described was executed by Ty White, Surveyor and Raymond F. Moss, Public Land Surveyor, using respectively Buff transit No. 18002 and Gurley transit No. 371537. For description and test of instruments and establishment of meridian, see the field notes of the subdivisonal lines of T. 10 S., R. 4 W., surveyed under this group.

The azimuths of all the lines of survey herein described were determined with the solar attachments.

All measurements were made with Lufkin and Dietzgen steel tapes, 5 chs. in length, graduated every link for the first 100 links. The tapes were tested by comparison with a Lufkin standard tape and found correct. All the measurements were made on the slope, the vertical angle of each interval determined with a clinometer in good adjustment, and the horizontal equivalents entered in the field notes.

From the cor. of secs. 33 and 34, on the S. bdy. of the Tp.

N. 0° 02' E., on a random line, bet. secs. 33 and 34.

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

79.90 A point 4 lks. W. of the cor. of secs. 27, 28, 33 and 34; an iron post, 2 ins. diam., 6 ins. above a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, marked and witnessed as described in the official record.

Thence

S. 0° 04' W., on true line, bet. secs. 33 and 34.

Over mountainous land, thru scattering timber and undergrowth.

Descend 135 ft. over a SE. slope.

9.10 Ravine, course S. 70° W.; asc. 49 ft. over a N. slope.

11.75 Low, flat spur, slopes N. 80° W. from a high mountain, which bears S. 70° E., 8.00 chs. dist.; desc. 24 ft. over a S. slope.

17.90 Ravine, course W. Base of a high cliff, bears E., 6.00 chs. dist.; asc. 54 ft. over a NE. slope.

21.40 Spur, slopes N. 60° W. from a high mountain, which bears S. 60° E., 10.00 chs. dist.; desc. gentle S. slope.

23.40 Head of a small ravine, course S. 45° W. Thence along a W. slope.

28.60 Spur, slopes W. from a peak, which bears E., 10.00 chs. dist.; desc. 94 ft. over a SW. slope.

36.50 Ravine, course N. 80° W.; asc. 46 ft. over a NW. slope.

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

$\frac{1}{4}$
S33 | S34
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Survey of the subdivisonal lines of T. 9 S., R. 6 E.

Chains	Ascend 86 ft. over a NW. slope.
43.90	Main ridge of the Sawtooth Mountains, bears S. 80° W. and N. 80° E.; desc. 112 ft. over a SW. slope.
48.80	Ravine, course S. 30° E.; asc. 41 ft. over an abrupt NE. slope.
49.90	Spur, slopes S. 10° E.; desc. 247 ft. over a SW. slope.
64.10	Ravine, course S. 60° W.; asc. 95 ft. over a NE. slope.
69.90	Spur, slopes N. 60° W.; desc. 43 ft. over a SW. slope.
78.40	Ravine, course S. 70° W.; asc. 43 ft. over a N. slope.
79.90	The cor. of secs. 33 and 34 only, on the S. bdy. of the Tp.; an iron post, 2 ins. diam., 8 ins. above a mound of stone, 2 ft. base, 1½ ft. high, marked and witnessed as described in the official record.
	Land, mountainous. Soil, rocky, 4th rate. Timber, palo verde and ironwood; undergrowth, greasewood.
	From the cor. of secs. 26, 27, 34 and 35.
	West, on a random line, bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
79.86	A point 14 lks. N. of the cor. of secs. 27, 28, 33 and 34.
	Thence
	✓ N. 89° 54' E., on true line, bet. secs. 27 and 34.
	Over mountainous land, thru scattering timber and undergrowth.
	Ascend 50 ft. over a broken S. slope.
10.80	Ravine, near its head, course S. 20° W.; asc. 40 ft. over NW. slope.
13.30	Spur, slopes S. 20° W.; desc. 60 ft. over an abrupt SE. slope.
15.10	Ravine, course S. 20° W.; asc. 204 ft. over a precipitous SW. slope.
18.20	Top of a cliff, approx. 100 ft. high, bears NW. and SE., continue ascent.
25.40	Main ridge of the Sawtooth Mountains, bears S. 45° E. and N. 30° W.; desc. 357 ft. over a precipitous NE. slope.
29.00	Top of a cliff, approx. 100 ft. high, bears NW. and SE.
34.70	Gulch, course N.; asc. 32 ft. over a NW. slope.
36.35	Spur, slopes N.; desc. 53 ft. over a NE. slope.
38.00	Small peak, bears S., 3.00 chs. dist.
39.93	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at the base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked

Survey of ^{a portion of} the subdivisional lines of T. 9 S., R. 6 E.

Chains

$$\frac{1}{4} \begin{array}{r} S27 \\ \hline S34 \\ 1939 \end{array}$$

Descend 142 ft. over a NE. slope.

50.60 Recross Gulch, course S. 45° E.; asc. 65 ft. over a SW. slope.

62.40 Spur, slopes S. 30° E.; desc. 30 ft. over a NE. slope.

66.40 Ravine, course S. 30° E.; asc. 62 ft. over a SW. slope.

71.60 Spur, slopes S. from high mountain, which bears N. approx. 15.00 chs. dist.; desc. 146 ft. over a broken SE. slope.

79.86 The cor. of secs. 26, 27, 34 and 35; an iron post, 2 ins. diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, palo verde and ironwood; undergrowth, greasewood.

N. 0° 02' E., bet. secs. 26 and 27.

Over mountainous land, thru scattering timber and undergrowth.

Ascend 98 ft. over a SE. slope.

8.90 Spur, slopes E.; desc. 23 ft. over an E. slope.

30.10 Wash, 15 lks. wide, course SE.; asc. 118 ft. over a SW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins in the ground to bedrock, with a stone marked with a cross (X) deposited at the base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \begin{array}{r} S27 | S26 \\ \hline 1939 \end{array}$$

Thence by traverse and triangulation over precipitous slopes.

Ascend 558 ft. over a precipitous SW. slope.

47.60 Ridge, bears W. and N. 15° W.; thence along a precipitous, broken E. slope.

80.00 True point for cor. ^{of secs. 22, 23, 26 and 27.} falls on the SE. face of a cliff, an unsuitable place to set the cor.

For description of witness cor., see line bet. secs. 22 and 23.

Land, mountainous.

Soil, rocky, 3rd and 4th rates.

Timber, palo verde and ironwood; undergrowth, greasewood.

From the true point for cor. of secs. 22, 23, 26 and 27.

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Survey of the subdivisional lines of T. 9 S., R. 6 E.

Chains	N. 89° 57' E., on a random line, bet. secs. 23 and 26.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.22	A point 12 lks. S. of the cor. of secs. 23, 24, 25 and 26; an iron post, 2 ins. diam., 6 ins. above a mound of stone, 2 ft. base, 1 ft. high, marked and witnessed as described in the official record.
	Thence
	S. 89° 52' W., on true line bet. secs. 23 and 26.
	Over mountainous land, thru scattering timber and undergrowth.
	Descend 27 ft. over a W. slope.
1.85	Wash. 15 lks. wide, course S.; asc. 211 ft. over an E. slope.
14.00	Ridge, bears N. and S.; desc. 146 ft. over a SW. slope.
19.90	Ravine, near its head, course SW. asc. 41 ft. over a SE. slope.
23.10	Spur, slopes SW.; desc. 63 ft. over a SW. slope.
39.10	Wash, 15 lks. wide, course S. 10° E.
40.11	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S23 \\ \frac{1}{4} \\ \hline S26 \\ 1939 \end{array}$
	raise a mound
	of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
	Ascend 46 ft. over an E. slope.
49.80	Drain, course SE.; asc. 715 ft. over a steep, precipitous SE. slope.
	Thence by traverse and triangulation.
80.22	The true point for cor. of secs. 22, 23, 26 and 27. For wit. cor. see line bet. secs. 22 and 23.
	Land, mountainous.
	Soil, rocky, 3rd and 4th rates.
	Timber, palo verde and ironwood; undergrowth, greasewood.
	From the cor. of secs. 21, 22, 27 and 28.
	N. 89° 54' E., on a random line, bet. secs. 22 and 27.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.72	A point 9 lks. N. of the true point for cor. of secs. 22, 23, 26 and 27. For wit. cor. see line bet. secs. 22 and 23.
	Thence
	S. 89° 58' W., on true line, bet. secs. 22 and 27.
	Over mountainous land, thru scattering timber and undergrowth.

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Survey of the subdivisional lines of T. 9 S., R. 6 E.

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Chains	
	Descend 627 ft. along the top of a spur, slopes W.
19.00	Leave top of spur, slopes S. 85° W.; desc. over a N. slope.
34.80	Wash, 15 lks. wide, course N. for 3.00 chs. then NW.; asc. 23 ft. over a NE. slope.
39.86	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at the base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{l} \text{S22} \\ \hline \text{S27} \\ 1939 \end{array}$
42.50	Spur, slopes N., 3.00 chs. to toe; desc. 80 ft. over a NW. slope.
60.40	Wash, 20 lks. wide, 10 ft. deep, course N. 20° W. for 3.00 chs., then NW.; asc. 56 ft. over an E. slope.
79.72	The cor. of secs. 21, 22, 27 and 28; an iron post, 2 ins. diam., 4 ins. above a mound of stone, 3 ft. base, 2 ft. high, marked and witnessed as described in the official record.
	Land, mountainous. Soil, rocky, 3rd and 4th rates. Timber, palo verde and ironwood; undergrowth, greasewood.
	From the true point for cor. of secs. 22, 23, 26 and 27. N. 0° 02' E., on a random line, bet. secs. 22 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.32	A point 37 lks. W. of the cor. of secs. 14, 15, 22 and 23; an iron post, 2 ins. diam., 10 ins. above ground, firmly set, marked and witnessed as described in the official record.
	Thence
✓	S. 0° 18' W., on true line, bet. secs. 22 and 23.
	Over mountainous land, thru scattering timber and undergrowth.
	By triangulation to a peak on a high ridge.
0.30	Wash, 20 lks. wide, course N. 50° E.; asc. 638 ft. over a precipitous NE. slope.
28.30	Peak, on top of a high ridge, which bears NW. and SE.; desc. 307 ft. along the top of a ridge.
40.16	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, with a stone marked with a cross (X) deposited at the base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{l} \text{S22} \text{S23} \\ \hline 1939 \end{array}$

a portion of
Survey of the subdivisional lines of T. 9 S., R. 6 E.

Chains

Ascend 37 ft. along the top of ridge.

51.70

Leave top of ridge, bears S. 30° E.; desc. 407 ft. over a precipitous W. slope.

Thence by triangulation.

79.90

Set an iron post, 3 ft. long, 2 ins. diam., on a cross (X) marked on surface rock, and in a mound of stone to top, for witness cor. of secs. 22, 23, 26 and 27, with brass cap marked

T9S	R6E
S22	S23
S27	S26
W C	
1939	

80.32

The true point for cor. of secs. 22, 23, 26 and 27.

Land, mountainous.

Soil, rocky, 3rd and 4th rates.

Timber, palo verde and ironwood; undergrowth, greasewood.

For final tests of the solar attachments of instruments, see the field notes of the subdivisional lines of T. 12 S., R. 8 E., surveyed under this group.

General Description

Secs. 22, 23, 26, 27, 33 and 34, T. 9 S., R. 6 E., are occupied by the small rugged Sawtooth Mountain Range. Except for its southern extremity this range of mountains lies entirely within the area described. The main ridge enters the Tp. in the SE. cor. of sec. 33, running thence northeasterly thru secs. 33, 34 and 27 to a point in the vicinity of the $\frac{1}{4}$ sec. cor. of secs. 26 and 27, and thence northerly for a mile and a quarter, ending in an abrupt cliff, a few chs. N. of the $\frac{1}{4}$ sec. cor. of secs. 22 and 23. The crest of this ridge is unusually rough and in several instances surmounted by lava rock domes with sheer walls of from 2 to 3 hundred feet high. The approx. elevation of the entire area varies from 1600 to 2300 feet above sea level. Numerous dry washes and ravines flowing southeasterly, drain the E. slope of the range. The W. slope is likewise drained in a westerly direction. The land is arid, the washes carrying water only after an extremely heavy rain.

Soil on the slopes is 3rd and 4th rates volcanic ash, the soil along the washes contains considerable granite sand. The entire area is laden with lava rocks and boulders. The land is covered with a medium growth of palo verde, catclaw, mesquite, ironwood and ocotillo and a more abundant growth of cholla, prickly pear, sahuaro and lesser species of cactus. There is a good stand of native grasses on the lower slopes.

No mineral deposits were found within the Tp. There are no roads or other improvements, and no settlers reside within its boundaries. The land is used for stock grazing. Mean magnetic declination within the Tp is 14° 15' E.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FIELD ASSISTANTS

NAMES	CAPACITY
Harold Ruddell	Principal Assistant
Donald Gifford	" " and chainman,
Van N. Kilgore	Chainman
Charles F. Bobo	"
James N. Pool	Flagman
Owen Longest	"
Landon Bates	Axeman
Leroy Lewis	"
Kenneth H. Strotjost	"
Norman Simser	"
Paschal Austin	"
Vermont Shaw	"
Frank M. Stivers	Moundman
Ray Sears	"

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CERTIFICATE OF SURVEYOR

We, Ty White, Surveyor, and Raymond F. Moss, Public Land Surveyor, General Land Office, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 20th day of October, 1938 received from the district cadastral engineer for Arizona, with assignment instructions dated January 12, 1939, we have surveyed a portion of the subdivisional lines, completing the subdivision of Township 9 South, Range 6 East,

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 us and under our 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, Calif., Jan. 31, 1941
Phoenix, Ariz., July 31, 1940

Ty White
Surveyor
Raymond F. Moss
Public Land Surveyor
General Land Office.

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,
Denver, Colorado, APR 23, 1942.

The foregoing field notes of the survey of a portion of the subdivisional lines, completing the subdivision of Township 9 South, Range 6 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Ty White, Surveyor, and Raymond F. Moss, Public Land Surveyor, General Land Office, under special instructions dated October 20, 1938, and assignment instructions dated January 12, 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.

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.