

4179

FIELD NOTES

OF THE SURVEY OF THE

Subdivisional Lines

of

Fractional Township 12 North

Range 13 $\frac{1}{2}$ East

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Horace M. Muscott, Public Land Surveyor, and Claude F. Warner,

Transitman; General Land Office

Under special instructions dated June 20, 1934, which provided for the surveys included under Group No. 190, bearing the approval of the Commissioner of the General Land Office under date of July 6, 1934 and assignment instructions dated May 15 and June 4, 1934

Survey commenced September 18, 1937

Survey completed September 29, 1937

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INDEX DIAGRAM.

Township _____, Range _____

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

INDEX DIAGRAM

BOOK 4179

T 13 N
R 13 E

T 13 N
R 14 E

35 36 31
 15 15

Third Stop. Par. North

1	2	13	1	6
	12		12	
12	11	11	12	7
	10		9	
13	14	8	13	18
	8		7	
24	23	6	24	19
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25	26	3	25	30
	3		2	
36	35	1	36	31
1	2		1	6

T 12 N

R 13 E

R 13½ E

T 11 N

R 14 E

Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

BOOK 4179

Chains.

The subdivisional survey of frac. township 12 north, range 13 $\frac{1}{2}$ east, was executed with Buff light mountain transits Nos. 9984 and 16723. For description, date of approval and tests of instruments, and equipment and method of survey, refer to the field notes of the exterior lines, surveyed under this group.

For preliminary test of Buff No. 9984, refer to the final test as outlined in the field notes of the subdivisional lines of township 12 north, range 15 east, surveyed under this group.

Preliminary test
Buff No. 16723

Sept. 19, 1937: In camp at Duran Ranch, in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ of sec. 8, T. 12 N., R. 14 E., on the meridian established as described in the field notes of the exterior lines surveyed under this group, at 8:00 a.m., appt. time, I set 34° 26' on the lat. arc, 1° 30' 30" N. on the decl. arc, and determine a meridian with the solar, which I find to agree with that established by Polaris observation.

At appt. noon, with the lat. arc unchanged, I orient the transit and observe the sun on the meridian and read 1° 26' 00" N. from the decl. arc. This agrees with the computed decl. of the sun.

At 4:00 p.m., appt. time, with the lat. arc unchanged, I set 1° 23' 00" N. on the decl. arc, and determine a meridian with the solar, which I find to agree with that established from Polaris Observation.

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

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., described in the field notes of the S. bdy. of T. 12 N., R. 13 $\frac{1}{2}$ E., surveyed under this group.

N. 0° 01' W., bet. secs. 35 and 36. . . .

Desc. 93 ft. over gentle N. slope, through dense second growth yellow pine.

13.00 Bottom of desc.; South Fork Deer Lake Canyon, 30 lks. wide, 6 ins. deep, course N. 70° E.; thence asc. 103 ft. over S. slope.

20.25 Top of asc.; thence across top of spur, slopes E.; leave undergrowth and enter open timber.

35.00 Desc. 27 ft. over gentle N. slope to $\frac{1}{4}$ sec. cor.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$
 S 35 ↑ S 36
 1937

from which

An oak, 6 ins. diam., bears N. 54 $\frac{1}{2}$ ° E.,
77 lks. dist., mkd. $\frac{1}{4}$ S 36 BT.

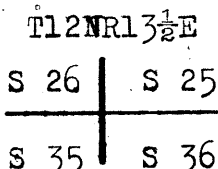
A yellow pine, 6 ins. diam., bears N. 66 $\frac{1}{2}$ ° W.,
64 lks. dist., mkd. $\frac{1}{4}$ S 35 BT.

Thence over slightly rolling land.

40.50 Small drain, course E.

Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

- Chains.
49.60 Desc. 103 ft. over N. slope.
55.50 Bottom of desc.; North Fork Deer Lake Canyon, 20 lks. wide, 12 ins. deep, course SE. for 3 chs., thence E.; asc. 133 ft. over S. slope.
65.00 Top of asc.; thence over top of spur, slopes E.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock, in a mound of stone to top, for cor. of secs. 25, 26, 35 and 36, with brass cap mkd.



1937

from which

An oak, 6 ins. diam., bears N. 45 $\frac{1}{2}$ ° E.,
129 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 25 BT.

An oak, 6 ins. diam., bears S. 32° E.,
158 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 36 BT.

A yellow pine, 24 ins. diam., bears S. 44° W.,
69 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 35 BT.

A yellow pine, 8 ins. diam., bears N. 66° W.,
77 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 26 BT.

Land, rolling, E. drainage.
Soil, rocky clay, 3rd and 4th rate.
Timber, yellow pine, scattering oak and aspen; undergrowth;
second growth yellow pine, dense on slopes, scattering on
spurs.

S. 89° 54' E., on a random line bet. secs. 25 and 36.

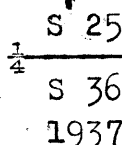
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.94 A point 9 lks. S. of the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., described in the field notes of the W. bdy. of T. 12 N., R. 14 E., surveyed under this group.

Thence

N. 89° 58' W., on true line bet. secs. 25 and 36.

Over level land, along Chevalon Ridge, through timber.

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



from which

A yellow pine, 6 ins. diam., bears N. 32 $\frac{3}{4}$ ° E.,
52 lks. dist., mkd. $\frac{1}{4}$ S 25 BT.

A yellow pine, 6 ins. diam., bears S. 44 $\frac{3}{4}$ ° W.,
49 lks. dist., mkd. $\frac{1}{4}$ S 36 BT.

Continue over level land.

Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

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Chains. 79.94	The cor. of secs. 25, 26, 35 and 36. Land, level. Soil, rocky clay, 3rd and 4th rate. Timber, yellow pine, scattering oak; undergrowth, second growth yellow pine. ----- N. 89° 54' W., on a random line bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
47.75	A point 3 lks. S. of the cor. of secs. 25, 26, 35 and 36, on the W. bdy. of the Tp.; an iron post, 2 ins. diam., 18 ins. above ground, firmly set in a mound of stone to top, mkd. and witnessed as described in the official record. Thence S. 89° 52' E., on true line bet. secs. 26 and 35. Over level land, through yellow pine timber.
7.75	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. S 26 $\frac{1}{4}$ S 35 1937 from which A yellow pine, 6 ins. diam., bears N. 54 $\frac{1}{2}$ ° E., 55 lks. dist., mkd. $\frac{1}{4}$ S 26 BT.. A yellow pine, 6 ins. diam., bears S. 26 $\frac{1}{4}$ ° W., 35 lks. dist., mkd. $\frac{1}{4}$ S 35 BT.. Desc.. 44 ft. over E. slope, through dense undergrowth.
11.50	Bottom of desc.; North Fork Deer Lake Canyon, 20 lks. wide, course S. for 2 chs., thence SE.; asc. 46 ft. over gentle SW. slope.
18.75	Top of asc.; leave dense undergrowth, enter fairly open timber; thence over level land.
47.75	The cor. of secs. 25, 26, 35 and 36. Land, generally level, gentle canyon slopes. Soil, rocky clay, 3rd and 4th rate. Timber, yellow pine, scattering oak; undergrowth, second growth yellow pine. ----- N. 0° 01' W., bet. secs. 25 and 26. Over level land, through open timber.
14.60	Chevalon truck trail, bears E. and W. along top of Chevalon ridge.
40.00	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. S 26 S 25 $\frac{1}{4}$ 1937 from which

Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

Chains.	<p>A yellow pine, 6 ins. diam., bears S. 82$\frac{1}{2}$° E., 34 lks. dist., mkd. $\frac{1}{4}$ S 25 BT.</p> <p>A yellow pine, 8 ins. diam., bears N. 53° W., 29 lks. dist., mkd. $\frac{1}{4}$ S 26 BT.</p>										
41.00	A low spur slopes W.										
46.50	Desc. 46 ft. over gentle NW. slope.										
51.50	Bottom of desc.; thence over level land; enter dense undergrowth.										
71.50	Asc. 29 ft. over gentle S. slope.										
77.00	Top of asc.; spur slopes W.; thence over top of same to sec. cor.										
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, with brass cap mkd.										
	<table style="margin: auto;"> <tr><td colspan="2">T12N R13$\frac{1}{2}$E</td></tr> <tr><td>S 23</td><td>S 24</td></tr> <tr><td colspan="2">-----</td></tr> <tr><td>S 26</td><td>S 25</td></tr> <tr><td colspan="2">1937</td></tr> </table>	T12N R13 $\frac{1}{2}$ E		S 23	S 24	-----		S 26	S 25	1937	
T12N R13 $\frac{1}{2}$ E											
S 23	S 24										

S 26	S 25										
1937											
	from which										
	<p>A yellow pine, 6 ins. diam., bears N. 67$\frac{1}{2}$° E., 39 lks. dist., mkd. T 12 N R 13$\frac{1}{2}$ E S 24 BT.</p> <p>A yellow pine, 6 ins. diam., bears S. 53$\frac{3}{4}$° E., 33 lks. dist., mkd. T 12 N R 13$\frac{1}{2}$ E S 25 BT.</p> <p>A yellow pine, 10 ins. diam., bears S. 36$\frac{3}{4}$° W., 70 lks. dist., mkd. T 12 N R 13$\frac{1}{2}$ E S 26 BT.</p> <p>A yellow pine, 8 ins. diam., bears N. 35° W., 69 lks. dist., mkd. T 12 N R 13$\frac{1}{2}$ E S 23 BT.</p>										
	<p>Land, nearly level. Soil, rocky clay, 3rd and 4th rate. Timber, yellow pine, scattering oak; undergrowth, dense second growth yellow pine:</p> <p>-----</p> <p>S. 89° 58' E., on a random line bet. secs. 24 and 25.</p>										
40.00	Set temp. $\frac{1}{4}$ sec. cor.										
80.03	A point 7 lks. N. of the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the Tp., described in the field notes of the W. bdy. of T. 12 N., R. 14 E., surveyed under this group.										
	Thence										
	N. 89° 55' W., on true line bet. secs. 24 and 25.										
	Over level land, through timber and dense undergrowth.										
15.00	From this point, Chevalon truck trail bears South 15 lks. dist., bearing West and S. 20° E.										
20.25	Chevalon truck trail, bears NW. and SE.										
26.35	Chevalon truck trail, bears N. 10° E. and S. 10° W., trail follows along crest of Chevalon Ridge.										
40.01	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the										

Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

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Chains. ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 24
 $\frac{1}{4}$
S 25
1937

from which

A yellow pine, 8 ins. diam., bears N. 6° E.,
50 lks. dist., mkd. $\frac{1}{4}$ S 24 BT.

A yellow pine, 12 ins. diam., bears S. 24 $\frac{1}{2}$ ° W.,
30 lks. dist., mkd. $\frac{1}{4}$ S 25 BT.

Continue over level land, through very dense undergrowth.

63.00 Head of a drain, course NW.

80.03 The cor. of secs. 23, 24, 25 and 26.

Land, nearly level.

Soil, rocky clay, 3rd and 4th rate.

Timber, yellow pine; undergrowth, very dense second growth
yellow pine.

N. 89° 52' W., on a random line bet. secs. 23 and 26.

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

47.64 A point 8 lks. S. of the cor. of secs. 23, 24, 25 and 26,
on the W. bdy. of the Tp.; an iron post, 2 ins. diam.,
firmly set, 8 ins. above ground, mkd. and witnessed as
described in the official record.

Thence

S. 89° 46' E., on true line bet. secs. 23 and 26.

Over level land, through dense undergrowth, and timber.

7.64 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.

S 23
 $\frac{1}{4}$
S 26
1937

from which

A yellow pine, 6 ins. diam., bears S. 78 $\frac{1}{2}$ ° E.,
15 lks. dist., mkd. $\frac{1}{4}$ S 26 BT.

A yellow pine, 6 ins. diam., bears N. 23° W.,
21 lks. dist., mkd. $\frac{1}{4}$ S 23 BT.

Continue over level land, through timber and dense under-
growth.

20.60 A ridge, bears NE. and SW.; desc. 80 ft. over E. slope.

27.10 Mormon Crossing Road, bears N. 10° E. and S. 30° W.

34.00 Bottom of desc.; E. Fork Alder Canyon, 10 lks. wide,
course N. 10° E.; thence across bottom of same.

35.50 Leave canyon bottom; asc. 91 ft. over W. slope.

45.40 Top of asc.; thence over level land.

47.64 The cor. of secs. 23, 24, 25 and 26.

Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

- Chains. Land, generally level, gentle canyon slopes.
Soil, rocky caly, 3rd and 4th rate.
Timber, yellow pine, scattering oak; undergrowth, very dense second growth yellow pine.
- N. 0° 01' W., bet. secs. 23 and 24.
- Over level land, through dense second growth yellow pine.
- 3.70 Desc. 83 ft. over gentle N. slope.
- 13.30 Bottom of desc.; drain, course NW. to E. Fork Alder Canyon; thence over level land.
- 30.00 Enter south end of a canyon meadow, bears N. 35° E., thence across same.
- 33.00 Wash, 20 lks. wide, course N. 35° E.
- 34.00 Mormon Crossing Road, bears N. 35° E. and S. 35° W.
- 33.97 From this point, Cor. No. 6, HES No. 184, bears East, 20 lks. dist.; a sandstone, firmly set, mkd. and witnessed as described in the official record.
- 35.00 Leave canyon meadow, enter timber and dense undergrowth, bears N. 35° E.
- 40.00 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
 1937

from which

A yellow pine, 12 ins. diam., bears N. 80° E., 37 lks. dist., mkd. $\frac{1}{4}$ S 24 BT.

A yellow pine, 6 ins. diam., bears S. 62° W., 28 lks. dist., mkd. $\frac{1}{4}$ S 23 BT.

From the $\frac{1}{4}$ sec. cor., Cor. No. 6, HES No. 184, bears S. 1° 53' E., 6.03 chs. dist., previously described.

- 44.00 Asc. 45 ft. over SE. slope.
- 51.00 Top of asc.; a ridge, bears NE. and SW.; thence along SW. slope of same.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, with brass cap mkd..

T12N R13 $\frac{1}{2}$ E
 S 14 | S 13
 S 23 | S 24
 1937

from which

A yellow pine, 6 ins. diam., bears N. 69° E., 30 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 13 BT.

A yellow pine, 6 ins. diam., bears S. 52° E., 23 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 24 BT.

A yellow pine, 6 ins. diam., bears S. 58 $\frac{1}{4}$ ° W., 15 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 23 BT.

Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

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Chains.	A yellow pine, 14 ins. diam., bears N. 38° W., 48 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 14 BT.
	Land, level. Soil, rocky clay, 3rd and 4th rate. Timber, yellow pine; undergrowth, dense second growth yellow pine.
	----- S. 89° 55' E., on a random line bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	A point 2 lks. N. of the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., described in the field notes of the W. bdy. of T. 12 N., R. 14 E., surveyed under this group.
	Thence
	N. 89° 54' W., on true line bet. secs. 13 and 24.
	Asc. 49 ft. over SE. slope, through timber and dense undergrowth.
6.90	Top of asc.; thence over nearly level land.
26.80	Desc. 65 ft. over gentle W. slope.
32.60	Bottom of desc.; thence over nearly level land.
40.01	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\begin{array}{r} S\ 13 \\ \hline \frac{1}{4} \\ S\ 24 \\ 1937 \end{array}$
	from which
	A yellow pine, 6 ins. diam., bears N. 17 $\frac{1}{2}$ ° E., 46 lks. dist., mkd. $\frac{1}{4}$ S 13 BT.
	A yellow pine, 7 ins. diam., bears S. 24 $\frac{1}{4}$ ° W., 12 lks. dist., mkd. $\frac{1}{4}$ S 24 BT.
	Continue over nearly level land.
45.00	Leave timber and undergrowth, enter a canyon meadow, bears N. 35° E. and S. 35° W.; thence across same..
45.50	Wash, water, 4 lks. wide, .2 ins. deep, course N. 35° E.
51.90	Mormon Crossing Road, bears NE. and S.
52.13	From this point Cor. No. 1, HES 184, bears South, 0.45 ch. dist.; a sandstone, firmly set, mkd. and witnessed as described in the official record.
55.00	Leave meadow, enter timber and dense undergrowth, bears N. 35° E. and S. 35° W.; asc. 91 ft. over E. slope.
61.00	Top of asc.; thence over level land.
80.02	The cor. of secs. 13, 14, 23 and 24.
	Land, nearly level, gentle slopes. Soil, rocky clay, 3rd and 4th rate. Timber, yellow pine; undergrowth, very dense second growth yellow pine.

Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

Chains.	N. 89° 46' W., on a random line bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
47.73	A point 6 lks. N. of the cor. of secs. 13, 14, 23 and 24, on the W. bdy. of the Tp.; an iron post, 2 ins. diam., firmly set, 8 ins. above ground, mkd. and witnessed as described in the official record.
	Thence
	S. 89° 51' E., on true line bet. secs. 14 and 23.
	Over rolling land, through timber, and very dense undergrowth.
4.75	Spur, slopes S.; desc. 31 ft. over SE. slope.
7.73	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.
	$\begin{array}{r} S\ 14 \\ \hline \frac{1}{4} \\ S\ 23 \\ 1937 \end{array}$
	from which
	A yellow pine, 24 ins. diam., bears N. 10° E., 24 lks. dist., mkd. $\frac{1}{4}$ S 14 BT.
	A yellow pine, 20 ins. diam., bears S. 18° E.; 17 lks. dist., mkd. $\frac{1}{4}$ S 23 BT.
	Desc. 126 ft. over SE. slope.
15.00	Bottom of desc.; West Fork Alder Canyon, 20 lks. wide, intermittent water, course NE.; asc. 144 ft. over NW. slope.
27.75	Top of asc.; narrow spur, slopes N.; thence across top of same.
30.00	Desc. 51 ft. over E. slope.
40.45	Bottom of desc.; canyon, 10 lks. wide, course N.; asc. 68 ft. over W. slope.
45.75	Top of asc.; thence over level land.
47.73	The cor. of secs. 13, 14, 23 and 24.
	Land, gently rolling. Soil, rocky clay, 3rd and 4th rate. Timber, yellow pine, scattering alder; undergrowth; very dense second growth yellow pine.
	----- N. 0° 01' W., bet. secs. 13 and 14.
	Desc. 54 ft. over N. slope, through timber and dense undergrowth.
5.00	Drain, course W.; asc. 43 ft. over S. slope.
11.00	Top of asc.; spur, slopes SW.; thence across top of same.
23.80	Desc. 23 ft. over N. slope.
25.80	Drain, course W.; asc. 19 ft. over S. slope.
28.20	Top of asc.; thence over nearly level land.

. Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

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Chains.

40.00 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.

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 14 \quad | \quad \text{S } 13 \\ 1937 \end{array}$$

from which

A yellow pine, 6 ins. diam., bears S. 34° E., 72 lks. dist., mkd. $\frac{1}{4}$ S 13 BT.

A yellow pine, 6 ins. diam., bears N. 84 $\frac{3}{4}$ ° W., 47 lks. dist., mkd. $\frac{1}{4}$ S 14 BT.

Continue over nearly level land.

57.00 Desc. 179 ft. along NW. slope of West Fork of Alder Canyon.

69.50 Bottom of desc.; West Fork Alder Canyon, 40 lks. wide, course N. 15° E.; thence asc. 44 ft. over SE. slope.

76.70 Top of asc.; spur, slopes E.; thence across top of same.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, with brass cap mkd.

$$\begin{array}{c} \text{T12N R13}\frac{1}{2}\text{E} \\ \text{S } 11 \quad | \quad \text{S } 12 \\ \hline \text{S } 14 \quad | \quad \text{S } 13 \\ 1937 \end{array}$$

from which

A yellow pine, 10 ins. diam., bears N. 70 $\frac{1}{2}$ ° E., 74 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 12 BT.

A yellow pine, 8 ins. diam., bears S. 18° E., 79 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 13 BT.

A yellow pine, 10 ins. diam., bears S. 48° W., 69 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 14 BT.

A yellow pine, 6 ins. diam., bears N. 51 $\frac{1}{2}$ ° W., 66 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 11 BT.

Land, rolling.

Soil, rocky clay, 3rd and 4th rate.

Timber, yellow pine; undergrowth, dense second growth yellow pine.

S. 89° 54' E., on a random line bet. secs. 12 and 13.

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

80.00 A point 7 lks. N. of the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., described in the field notes of the W. bdy. of T. 12 N., R. 14 E., surveyed under this group.

Thence

N. 89° 51' W., on true line bet. secs. 12 and 13.

Over rolling land, through dense timber and undergrowth; desc. 114 ft. over W. slope.

10.55 Gulch, 20 lks. wide, course N. 30° W.; asc. 90 ft. over

Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

Chains. E. slope.

23.30 Top of asc.; short spur, slopes NE.; desc. 17 ft. over NW. slope.

27.20 Bottom of desc.; ravine, course NE.; asc. 23 ft. over SE. slope.

32.70 Top of asc.; spur, slopes N. 30° E.; desc. 59 ft. over W. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.

S 12

$\frac{1}{4}$

S 13

1937

from which

A yellow pine, 5 ins. diam., bears N. 13 $\frac{1}{2}$ ° E.;
55 lks. dist., mkd. $\frac{1}{4}$ S 12 BT.

A yellow pine, 10 ins. diam., bears S. 24 $\frac{1}{2}$ ° W.,
41 lks. dist., mkd. $\frac{1}{4}$ S 13 BT.

Continue to desc. 60 ft. over W. slope.

43.90 Bottom of desc.; canyon, 25 lks. wide, course N., water in pools; asc. 150 ft. over E. slope.

55.00 Top of asc.; spur, slopes NE.; desc. 103 ft. along a NW. slope.

74.90 Bottom of desc.; Alder Canyon, 35 lks. wide, course NE.; asc. 45 ft. over E. slope.

80.00 The cor. of secs. 11, 12, 13 and 14.

Land, rolling mountainous.

Soil, rocky clay, 3rd and 4th rate.

Timber, yellow pine, oak and juniper; undergrowth,
second growth yellow pine, oak and juniper.

N. 89° 51' W., on a random line bet. secs. 11 and 14.

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

47.81 A point 1 lks. N. of the cor. of secs. 11, 12, 13 and 14, on the W. bdy. of the Tp.; an iron post, 2 ins. diam., firmly set, 4 ins. above ground, mkd. and witnessed as described in the official record.

Thence

S. 89° 52' E., on true line bet. secs. 11 and 14.

Over rolling land, through dense timber and undergrowth.

7.81 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.

S 11

$\frac{1}{4}$

S 14

1937

from which

A yellow pine, 6 ins. diam., bears S. 52 $\frac{1}{2}$ ° W.,
104 lks. dist., mkd. $\frac{1}{4}$ S 14 BT.

.Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

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Chains.

A yellow pine, 6 ins. diam., bears N. 23 $\frac{3}{4}$ ° W.,
68 lks. dist., mkd. $\frac{1}{4}$ S 11 BT.

Continue over rolling land.

11.30 Asc. 23 ft. over SW. slope.

18.80 Top of asc.; ridge, bears N. 30° E. and S. 30° W.; thence
across nearly level top of same.

28.75 Desc. 139 ft. over E. slope.

47.81 The cor. of secs. 11, 12, 13 and 14.

Land, rolling mountainous.
Soil, rocky clay, 3rd and 4th rate.
Timber, yellow pine and oak; undergrowth, second growth
yellow pine.

N. 0° 01' W., bet. secs. 11 and 12.

Over level land, through timber and dense undergrowth.

10.00 Asc. 73 ft. over S. slope, rolling.

40.00 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.



from which

A yellow pine, 6 ins. diam., bears S. 76 $\frac{1}{4}$ ° E.,
62 lks. dist., mkd. $\frac{1}{4}$ S 12 BT.

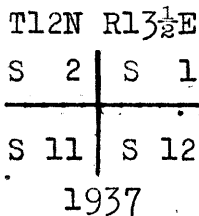
A yellow pine, 6 ins. diam., bears N. 44° W.,
36 lks. dist., mkd. $\frac{1}{4}$ S 11 BT.

Desc. 82 ft. over N. slope.

53.50 Bottom of desc.; canyon, 5 lks. wide, course N. 15° E.;
asc. 29 ft. along SE. slope.

61.00 Top of asc.; spur, slopes NE.; thence over top of same.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the
ground, for cor. of secs. 1, 2, 11 and 12, with brass cap
mkd.



from which

A yellow pine, 8 ins. diam., bears N. 20 $\frac{3}{4}$ ° E.,
67 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 1 BT.

A yellow pine, 6 ins. diam., bears S. 29 $\frac{1}{2}$ ° E.,
70 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 12 BT.

A yellow pine, 6 ins. diam., bears S. 22 $\frac{1}{2}$ ° W.,
82 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 11 BT.

A yellow pine, 6 ins. diam., bears N. 45 $\frac{1}{4}$ ° W.,
149 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 2 BT.

Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

Chains.	Land, gently rolling. Soil, rocky clay, 3rd and 4th rate. Timber, yellow pine; undergrowth, dense second growth yellow pine.
	----- S. 89° 51' E., on a random line bet. secs. 1 and 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.03	The cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., described in the field notes of the W. bdy. of T. 12 N., R. 14 E., surveyed under this group.
	Thence
	N. 89° 51' W., on true line bet. secs. 1 and 12.
	Over rolling mountainous land, through dense timber and undergrowth; desc. 20 ft. over W. slope.
7.00	Small drain, 5 lks. wide, course N. 30° W.; asc. 38 ft. over SE. slope.
18.00	Top of asc.; spur, slopes NW.; desc. 168 ft. over W. slope.
37.70	Bottom of desc.; a fork of Alder Canyon, 35 lks. wide, course N.; asc. 32 ft. over E. slope.
40.01	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.
	$\begin{array}{r} S \ 1 \\ \hline \frac{1}{4} \\ S \ 12 \\ 1937 \end{array}$
	from which
	A yellow pine, 10 ins. diam., bears N. 3° E., 57 lks. dist., mkd. $\frac{1}{4}$ S 1 BT.
	A yellow pine, 8 ins. diam., bears S. 7 $\frac{3}{4}$ ° E., 34 lks. dist., mkd. $\frac{1}{4}$ S 12 BT.
	Continue asc. 146 ft. over E. slope.
51.00	Top of asc.; a ridge, bears N. and S.; desc. 86 ft. over NW. slope.
62.70	Bottom of desc.; Alder Canyon, 20 lks. wide, course N. 20° E.; asc. 113 ft. over SE. slope.
75.50	Top of asc.; thence over nearly level land.
80.03	The cor. of secs. 1, 2, 11 and 12.
	Land, rolling mountainous. Soil, rocky clay, 3rd and 4th rate. Timber, yellow pine, oak, juniper and aspen; undergrowth, second growth of same.
	----- N. 89° 52' W., on a random line bet. secs. 2 and 11.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
47.56	A point 11 lks. S. of the cor. of secs. 1, 2, 11 and 12, on the W. bdy. of the Tp.; an iron post, 2 ins. diam., firmly set 9 ins. above ground, mkd. and witnessed as described in the official record.
	Thence
	S. 89° 44' E., on true line bet. secs. 2 and 11.

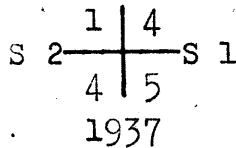
Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

COPY 4179

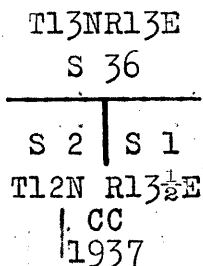
Chains.	Over rolling land, through dense timber and undergrowth.
7.56	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap mkd. $\begin{array}{c} S \ 2 \\ \frac{1}{4} \\ \hline S \ 11 \\ 1937 \end{array}$ <p style="text-align: right;">from which</p> <p>A yellow pine, 12 ins. diam., bears N. 10$\frac{1}{2}$° E., 31 lks. dist., mkd. $\frac{1}{4}$ S 2 BT.</p> <p>A yellow pine, 10 ins. diam., bears S. 16$\frac{3}{4}$° W., 100 lks. dist., mkd. $\frac{1}{4}$ S 11 BT.</p> <p>Thence over nearly level land.</p>
15.70	Desc. 63 ft. over SE. slope.
22.80	Drain, course N. 30° E. From this point a small reservoir, with earth dam, bears North, 1.00 ch. dist.; thence asc. 56 ft. over W. slope.
41.60	Top of asc.; spur, slopes N. 30° E.; thence over nearly level land.
47.56	The cor. of secs. 1, 2, 11 and 12. Land, rolling mountainous. Soil, rocky clay, 3rd and 4th rate. Timber, yellow pine, oak, juniper; undergrowth, second growth of same. ----- N. 0° 01' W., bet. secs. 1 and 2. Over nearly level land, through timber and dense undergrowth.
31.00	Desc. 72 ft. along a NW. slope.
38.89	Intersect line 4-5 HES N. 193 at a point from which Cor. No. 4 bears N. 29° 01' E., 10.46 chs. dist.; a limestone, firmly set, mkd. and witnessed as described in the official record.
40.00	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. $\begin{array}{c} \frac{1}{4} \\ S \ 2 \ \ S \ 1 \\ 1937 \end{array}$ <p style="text-align: right;">from which</p> <p>A yellow pine, 10 ins. diam., bears N. 76$\frac{1}{2}$° E., 24 lks. dist., mkd. $\frac{1}{4}$ S 1 BT.</p> <p>A yellow pine, 14 ins. diam., bears S. 28$\frac{3}{4}$° W., 94 lks. dist., mkd. $\frac{1}{4}$ S 2 BT.</p> <p>Thence desc. 34 ft. over gentle NW. slope.</p>
42.00	Leave timber, enter canyon meadow, bears N. 25° E., and S. 25° W.; thence across same.
45.00	Bottom of desc.; wash, 40 lks. wide, water, 5 lks. wide, 1 in. deep, course N. 25° E.
49.44	Intersect line 6-7 HES No. 193 at a point from which Cor.

Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

- Chains. No. 7 bears N. 28° 54' E., 18.94 chs. dist.; a limestone, firmly set, mkd. and witnessed as described in the official record.
- 50.00 Forest Service telephone line, bears SW. and NE.
- 52.00 Leave meadow, enter timber, bears N. 25° E. and S. 25° W.; asc. 27 ft. over SE. slope.
- 53.00 Top of asc.; thence across top of spur, slopes SE.
- 64.00 Desc. 46 ft. over N. slope.
- 67.00 Bottom of desc.; drain, course SW.; asc. 49 ft. over S. slope.
- 73.50 Top of asc.; thence across top of spur, slopes E.
- 76.80 Dim road, unused, bears E. and W.
- 78.00 Desc. 26 ft. over N. slope.
- 80.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for cor. of lots 4 and 5, sec. 1, and lots 1 and 4, sec. 2, with brass cap mkd.



- 80.20 A small drain, course E.; asc. 22 ft. over S. slope.
- 82.00 Top of asc.; thence across nearly level top of spur, slopes E.
- 86.50 Truck trail, bears W. to Waters Ranger Station, and E. to Mormon Crossing Road.
- 93.34 Intersect the Third Stan. Par. North,
Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 1 and 2, with brass cap mkd.



from which

A yellow pine, 6 ins. diam., bears S. 30 $\frac{3}{4}$ ° E.,
76 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 1 CC BT.

A yellow pine, 6 ins. diam., bears S. 60 $\frac{3}{4}$ ° W.,
82 lks. dist., mkd. T 12 N R 13 $\frac{1}{2}$ E S 2 CC BT.

From the point of intersection, the standard cor. of
T. 13 N., Rs. 13 and 14 E., bears N. 89° 49' E., 13.78
chs. dist., described in the field notes of the Third
Stan. Par. North, through Rs. 15, 14 and a portion of 13
E., resurveyed under this group.

Land, choppy.

Soil, rocky clay, 3rd and 4th rate.

Timber, yellow pine; undergrowth, dense 2nd growth pine.

Subdivision of Fractional T. 12 N., R. 13¹/₂ E.

PLAT 479

At a point which bears S. 89° 56' W., 19.17 chs. dist., from the standard $\frac{1}{4}$ sec. cor. of sec. 31, T. 13 N., R. 14 E., described in the field notes of the Third Stan. Par. North, through ranges 15, 14 and a portion of 13 east, resurveyed under this group; which point is mid-way bet. the NW. and NE. closing cors. of sec. 1,

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 1 only, with brass cap mkd.

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

1937

from which

A yellow pine, 8 ins. diam., bears S. 36° E., 71 lks. dist., mkd. $\frac{1}{4}$ S 1 BT.

A yellow pine, 6 ins. diam., bears S. 8° W., 28 lks. dist., mkd. $\frac{1}{4}$ S 1 BT.

At a point which bears S. 89° 43' W., 13.43 chs. dist., from the standard $\frac{1}{4}$ sec. cor. of sec. 36, T. 13 N., R. 13 E., described in the field notes of the Third Stan. Par. North, through ranges 15, 14 and a portion of 13 east, resurveyed under this group, which point is 40.00 chs. from the NE. closing cor. of sec. 2,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 2 only, with brass cap mkd.

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

1937

from which

A yellow pine, 24 ins. diam., bears S. 13° E., 28 lks. dist., mkd. $\frac{1}{4}$ S 2 BT.

A yellow pine, 20 ins. diam., bears S. 41° W., 156 lks. dist., mkd. $\frac{1}{4}$ S 2 BT.

For final test of Buff No. 16723, refer to final test as outlined in the field notes of the exterior lines surveyed and resurveyed under this group.

Final Test
Buff No. 9984.

Sept. 30, 1937: In camp at Duran Ranch, in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ of sec. 8, T. 12 N., R. 14 E., on the meridian established as described in the field notes of the exterior lines surveyed and resurveyed under this group, at every hour from 8 a.m. to 5 p.m., with 34° 26' on the lat. arc, and proper settings on the decl. arc, I determine a series of meridians with the solar, which agree within 1' 30" of arc, with that established from Polaris.

At appt. noon, with the lat. arc unchanged, I orient the transit, observe the sun on the meridian, and read 2° 50' 30" S. from the decl. arc. This agrees with the computed descl. of the sun.

GENERAL DESCRIPTION

The land is generally level, to slightly rolling, with gentle canyon slopes.

Subdivision of Fractional T. 12 N., R. 13 $\frac{1}{2}$ E.

There is a heavy stand of yellow pine timber, ranging in size up to 30 ins., with a scattering growth of oak, fir, spruce and aspen. Undergrowth is predominately second growth yellow pine, with some fir, spruce, aspen and oak brush.

The soil is rocky clay, third and fourth rate, average depth about three feet.

Drainage is easterly in the two south tiers of sections, and northerly in the rest of the township.

There is a very little water in the township, being mostly in Alder Canyon, in the northern part of the township.

There are no settlements or inhabitants in the township, with the exception of two homestead entries, one in sec. 24, the other partly in sec. 1 and partly in sec. 2. There are no mineral developments.

BOOK 4179

FIELD ASSISTANTS

NAMES	CAPACITY
Irwin B. Williams	Principal Assistant
Donald Gifford	
Edmond R. Brenizer	Chainman
Fred Harris	"
Fred Reed	Flagman
Kenneth Poor	"
Rulon F. Westover	Moundman
Elbert Mosley	"
Belson B. Turner	Axeman
Hilton La Zarr	"
Roger T. Voorhees	"
Wayne Sefton	"
John A. Stelzer	"
Dee Fleming	"
Van N. Kilgore	"

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BOOK 4179

712-113-1

CERTIFICATE OF [REDACTED] SURVEYOR

and Claude F. Warner, Transitman, General Land Office

We, Horace M. Muscott, Public Land Surveyor, [^], HEREBY CERTIFY upon honor that, in

pursuance of special instructions bearing date of the 20th day of June, 1934,

received from the district cadastral engineer for Arizona, with assignment

instructions dated June 4, 1937 and May 15 and [^], we have surveyed the subdivisinal lines of

fractional, Township 12 North, Range 13 1/2 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, California, Jan. 6, 1938.

Phoenix, Arizona, Jan. 12, 1938.

Horace M. Muscott
Public Land Surveyor
Claude F. Warner
Transitman
General Land Office

CERTIFICATE OF APPROVAL

OFFICE OF THE SUPERVISOR OF SURVEYS,

Denver, Colorado, JAN 31, 1940.

The foregoing field notes of the survey of the subdivisinal lines of fractional township 12 North, range 13 1/2 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Horace M. Muscott, Public Land Surveyor, and Claude F. Warner, Transitman, General Land Office,

under special instructions dated June 20, 1934, and assignment

instructions dated May 15 and June 4, 1937, having been critically examined, and

the necessary corrections made prior to their certification by the engineers, 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.~~

~~U.S. Supervisor of Surveys~~