

Original

4173

4-679
(April 1933)

Book B

FIELD NOTES

BOOK 4173

OF THE SURVEY OF THE

Subdivisional Lines

of

Fractional Township 10 North

Range 15 $\frac{1}{2}$ East

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Horace M. Muscott, Public Land Surveyor, and
Carroll I. Parkman, James C. Norman and Benjamin J. Mollette,

Transitmen, 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, 1937.

Survey commenced May 26, 1937.

Survey completed June 8, 1937.

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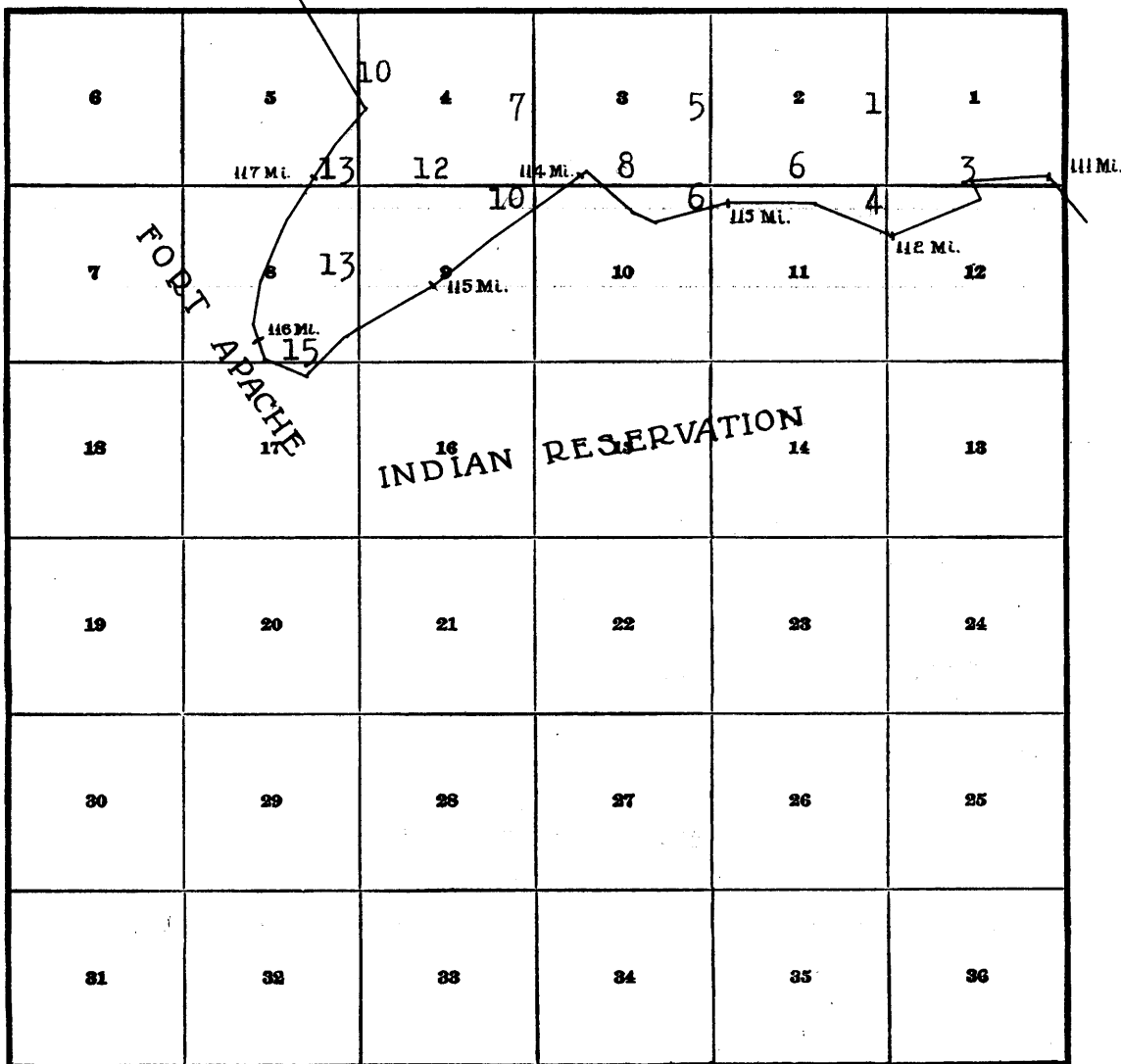
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BOOK 4173

INDEX DIAGRAM.

Township 10 North, Range 15 East.



Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

DEPT. 478

Chains.

The subdivisional survey of fractional township 10 north, range 15 $\frac{1}{2}$ east, was executed with Young and Sons solar transits Nos. 8385 and 8491, and Buff and Buff solar transit No. 9984; all three instruments are equipped with the improved Smith solar attachment, and are the property of the General Land Office. For description and date of approval of instruments, equipment, and method of survey, see field notes of the Third Standard Parallel North, through ranges 15, 14 and a portion of 13 east, resurveyed under this group.

Preliminary test of Young and Sons
transits Nos. 8385 and 8491.

May 22, 1937: On the meridian established in camp in the NE $\frac{1}{4}$ of sec. 24, T. 11 N., R. 14 E., determined as described in the field notes of the Third Standard Parallel North, through ranges 15, 14 and a portion of 13 east, resurveyed under this group, at 9:00 a.m., appt. time, set 34° 20' on the latitude arcs, and with 20° 24' N. on the declination arcs, orient the instruments and find that the resulting meridians agree with that established from Polaris.

At appt. noon, with the latitude arcs unchanged, obs. the sun on the meridian, and read 20° 25' 30" N. on the declination arcs, which agrees with the computed declination.

At 4:00 p.m., appt. time, with the latitude arcs unchanged, set off 20° 27' 45" N. on the declination arcs, and determine meridians with the solars, which are found to agree with that established from Polaris.

Preliminary test of Buff and Buff
No. 9984.

May 24, 1937: On the above meridian, at 9:00 a.m., appt. time, I set 34° 20' on the latitude arc, 20° 47' N. on the declination arc and determine a meridian with the solar, which I find to agree with the true meridian.

At appt. noon, with the latitude arc unchanged, I observe the sun on the meridian, and read from the declination arc, 20° 48' 30" N., which agrees with the computed declination of the sun.

At 4:00 p.m., appt. time, with the latitude arc unchanged, and with 20° 50' 30" N. on the declination arc, I orient the instrument and determine a meridian with the solar, which I find to be within 1' 30" of the meridian established from Polaris.

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

The observed magnetic declination at camp is 15° 00' E.

I commence the subdivisional survey at the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., described in the field notes of the S. bdy. of T. 11 N., R. 15 E., surveyed under this group.

S. 0° 01' E., bet. secs. 1 and 2.

Over rolling mountains, through thick timber and undergrowth.

3.60 Spur slopes SE.; desc. 256 ft. over SW. slope.

24.20 Canyon wash, 30 lks. wide, course SW. for 2 chs., thence SE.

26.50 Same wash, course SE. p asc. 72 ft. over NE. slope.

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

Chains.
32.30 Spur slopes E.; desc. 31 ft. over SE. slope.
33.90 Draw, 5 lks. wide, course N. 70° E.; asc. 100 ft. over NE. slope.
38.20 Spur slopes E.; desc. 21 ft. over SE. 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.

$\frac{1}{4}$
 S 2 | S 1
 1937

from which

A Pine, 8 ins. diam., bears S. 47 $\frac{1}{2}$ ° E.,
27 lks. dist., mkd. $\frac{1}{4}$ S 1 BT.

A Pine, 6 ins. diam., bears S. 29° W.,
23 lks. dist., mkd. $\frac{1}{4}$ S 2 BT.

Desc. 205 ft. over steep E. and SE. slope.

57.30 Wash, 40 lks. wide, course S. 5° W.,
60.60 Enter same wash, course S.; thence along bed of same.
64.40 Leave same wash, course S. 10° W.
68.20 Enter same wash, course S.; thence along bed of same.
70.20 Leave wash, course S. 10° W.; asc. 121 ft. over steep broken NW. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock, in a mound of stone to top, for cor. of secs. 1, 2, 11 and 12, with brass cap mkd.

T10N R15 $\frac{1}{2}$ E
 S 2 | S 1
 S 11 | S 12
 1937

from which

A Yellow Pine, 10 ins. diam., bears N. 30 $\frac{3}{4}$ ° E.,
23 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 1 BT.

A Yellow Pine, 14 ins. diam., bears S. 5 $\frac{1}{2}$ ° E.,
59 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 12 BT.

A Yellow Pine, 14 ins. diam., bears S. 63° W.,
30 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 11 BT.

A Yellow Pine, 6 ins. diam., bears N. 40 $\frac{1}{2}$ ° W.,
20 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 2 BT.

Land, rolling mountainous.
Soil, rocky clay, 3rd and 4th rate.
Timber, Yellow Pine, Fir and Oak; undergrowth, heavy second growth of same, and Locust.

East, on a random line bet. secs. 1 and 12.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.04 A point 4 lks. S. of the cor. of secs. 1 and 12, on the

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

Chains. E. bdy. of the Tp., described in the field notes of the
cors. established under this group.

Thence

S. 89° 58' W., on true line bet. secs. 1 and 12.

Over rolling mountainous land, through thick timber and
undergrowth.

2.44 A four strand wire fence bears S. 80° E. and N. 80° W.

3.33 Intersect the N. bdy. of the Fort Apache Indian
Reservation.

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in
the ground, for closing cor. of frac. secs. 1 and 12,
with brass cap mkd.

~~T10N
 R15 $\frac{1}{2}$ E
 A S 1
 I S 12 CC
 R~~

 1937

from which

A Yellow Pine, 16 ins. diam., bears S. 78 $\frac{1}{2}$ ° E.,
113 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 12 CC BT.

A Yellow Pine, 10 ins. diam., bears N. 40° W.,
49 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 1 CC BT.

From the point of intersection the 111th mile cor. of
the reservation bdy. bears N. 68° 52' W., 4.53 chs. dist.;
a granite stone, 14x6x10 ins. above ground, firmly set,
mkd. and witnessed as described in the official record.

Thence on a blank line across the reservation.

40.02 Point for $\frac{1}{4}$ sec. cor.

40.51 Intersect the N. bdy. of the Fort Apache Indian
Reservation.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in
the ground to bedrock, in a mound of stone to top, for
closing cor. of frac. secs. 1 and 12, with brass cap
mkd.

~~T10N
 R15 $\frac{1}{2}$ E
 S 1
 S 12~~

 FAIR
 1937

from which

A Yellow Pine, 18 ins. diam., bears S. 77 $\frac{1}{2}$ ° W.,
31 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 12 CC BT.

A Yellow Pine, 8 ins. diam., bears N. 22 $\frac{1}{2}$ ° W.,
55 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 1 CC BT.

From the point of intersection angle point No. 899 of the
reservation bdy. bears N. 14° 00' W., 1.14 chs. dist.;
a dead Yellow Pine, 24 ins. diam., mkd. as described in
the official record.

From the same point angle point No. 900 of the reservation
bdy. bears S. 14° 00' E., 5.08 chs. dist.; a Yellow Pine,
18 ins. diam., mkd. and witnessed as described in the

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

Chains. official record.
The closing cor. is located on a flat top spur sloping SW.
I continue on true line bet. secs. 1 and 12.
Desc. 183 ft. over NW. slope.
53.86 Canyon wash, 10 lks. wide, course SW.; asc. 149 ft. over SE. slope.
64.90 Flat top spur slopes S.; truck trail bears N. and S.; desc. 318 ft. over W. slope.
80.04 The cor. of secs. 1, 2, 11 and 12.
Land rolling mountainous.
Soil, rocky clay, 3rd and 4th rate.
Timber, Yellow Pine, Fir and Oak; undergrowth, second growth of same, and Locust.

S. 0° 01' E., bet. secs. 11 and 12.

Over rolling mountainous land, through thick timber and undergrowth; desc. 77 ft. over SW. slope.

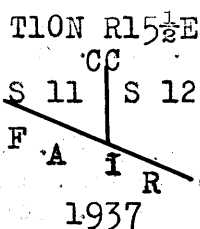
2.30 Small draw, 5 lks. wide, course W.; asc. 147 ft. over NW. slope.

12.10 Spur slopes N. 60° W.; desc. 78 ft. over SW. slope.

17.30 Draw, 5 lks. wide, course N. 60° W.; asc. 189 ft. over steep NW. slope.

24.55 Intersect the N. bdy. of the Fort Apache Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, in a mound of stone to top, for closing cor. of frac. secs. 11 and 12, with brass cap mkd.



from which

A Yellow Pine, 6 ins. diam., bears N. 27 $\frac{1}{2}$ ° E., 36 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 12 CC BT.

A Yellow Pine, 5 ins. diam., bears N. 19° W., 61 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 11 CC BT.

From the point of intersection the 112th mile cor. of the reservation bdy. bears S. 58° 15' E., 1.51 chs. dist.; described in the field notes of the N. bdy. of the reservation resurveyed under this group.

From the same point, angle point No. 906 of the reservation bdy. bears N. 58° 15' W., 37.90 chs. dist.; a sandstone 18x8x6 ins., firmly set in a mound of stone, mkd. and witnessed as described in the official record.

Land, rolling mountainous.
Soil, rocky clay, 3rd rate.
Timber, Yellow Pine, Fir and Oak; undergrowth, second growth of same, and Locust.

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

Chains.	<p>Thence from the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., described in the field notes of the S. bdy. of T. 11 N., R. 15 E., surveyed under this group.</p> <p>S. 0° 01' E., bet. secs. 2 and 3.</p> <p>Over rolling mountainous land, through dense Yellow Pine and Oak timber; desc. gentle SW. slope 218 ft.</p>
13.90	Slope changes to steep SW.
25.60	Canyon wash, 5 lks. wide, course SE.; asc. 23 ft. over NE. slope.
32.89	A Yellow Pine, 48 ins. diam., on line.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, in a mound of stone, 3 ft. base, 20 ins. high, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 3 S 2 1937
	from which
	<p>A White Oak, 10 ins. diam., bears N. 36° E., 27 lks. dist., mkd. $\frac{1}{4}$ S 2 BT.</p> <p>A White Oak, 10 ins. diam., bears N. 49$\frac{1}{4}$° W., 33 lks. dist., mkd. $\frac{1}{4}$ S 3 BT.</p> <p>From the $\frac{1}{4}$ sec. cor., the E. side of E. Twin Lake bears S. 33° W., 8.60 chs. dist.</p>
46.00	Flat top spur slopes SE.; thence over gentle S. slope
57.00	Flat top spur slopes SW.
62.40	Slope changes to SE.
75.00	Truck trail bears SE. and NW.
76.40	Spur slopes SE.; desc. SW. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, with brass cap mkd.
	T10N R15 $\frac{1}{2}$ E S 3 S 2 S 10 S 11 1937
	from which
	<p>A Yellow Pine, 20 ins. diam., bears N. 61$\frac{3}{4}$° E., 78 lks. dist., mkd. T 10 N R 15$\frac{1}{2}$ E S 2 BT.</p> <p>A White Oak, 6 ins. diam., bears S. 65$\frac{1}{2}$° E., 80 lks. dist., mkd. T 10 N R 15$\frac{1}{2}$ E S 11 BT.</p> <p>A White Oak, 5 ins. diam., bears S. 24$\frac{1}{2}$° W., 23 lks. dist., mkd. T 10 N R 15$\frac{1}{2}$ E S 10 BT.</p> <p>A White Oak, 5 ins. diam., bears N. 17$\frac{1}{4}$° W., 37 lks. dist., mkd. T 10 N R 15$\frac{1}{2}$ E S 3 BT.</p>
	<p>Land, rolling mountainous. Soil, rocky clay, 3rd rate. Timber, Yellow Pine, Fir and Oak; undergrowth, seedling Yellow Pine.</p>

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

Chains.	East, on a random line bet. secs. 2 and 11.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	A point 7 lks. S. of cor. of secs. 1, 2, 11 and 12. Thence S. 89° 57' W., on true line bet secs. 2 and 11. Over rolling mountainous land, through dense timber; desc. 136 ft. over W. slope.
9.70	Draw, 20 lks. wide, course SE; asc. 580 ft. over NE. slope.
18.10	Short spur slopes SE.; asc. E. slope.
32.60	Ridge bears N. and SW.; desc. W. slope.
39.98	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, in a mound of stone, 2 ft. base, 16 ins. high, for $\frac{1}{4}$ sec. cor., with brass cap mkd. $\frac{1}{4} \begin{array}{l} S \ 2 \\ S \ 11 \end{array}$ 1937 from which A Yellow Pine, 6 ins. diam., bears S. 20° W., 26 lks. dist., mkd. $\frac{1}{4}$ S 11 BT. A Yellow Pine, 12 ins. diam., bears N. 20° W., 26 lks. dist., mkd. $\frac{1}{4}$ S 2 BT. Desc. 306 ft. over W. slope.
51.30	Draw, 15 lks. wide, course SW.; asc. 286 ft. over SE. slope.
60.50	Short spur slopes S.; desc. 124 ft. over SW. slope.
65.40	Draw, 15 lks. wide, course SE.; asc. 330 ft. over NE. slope.
76.95	Spur slopes SE.; Forest Service truck trail bears NW. and SE.; desc. gentle SW. slope.
79.96	The cor. of secs. 2, 3, 10 and 11. Land, mountainous. Soil, rocky clay, 3rd rate. Timber, Yellow Pine, Fir and Oak; undergrowth, seedling Yellow Pine, Locust, Grapevine and Manzanita.
	S. 0° 01' E., bet. secs. 10 and 11. Over rolling mountainous land, through dense timber; desc. over SW. slope.
11.19	Intersect the N. bdy. of the Fort Apache Indian Reservation. Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of frac. secs. 10 and 11, with brass cap mkd.

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

Chains.

CC
T10NR15 $\frac{1}{2}$ E
S 10 | S 11
F A I R

1937

from which

A Yellow Pine, 15 ins. diam., bears N. 33 $\frac{3}{4}$ ° E.,
54 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 11 CC BT.

A Yellow Pine, 8 ins. diam., bears N. 51 $\frac{3}{4}$ ° W.,
34 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 10 CC BT.

From the point of intersection the 11 $\frac{3}{4}$ th mile cor. of the reservation bdy. bears N. 61° 30' E., 6.56 chs. dist.; a sandstone 14x12x6 ins. above ground, firmly set, mkd. and witnessed as described in the official record.

From the same point angle point No. 910 of the reservation bdy. bears S. 61° 30' W., 25.88 chs. dist.; a sandstone 18x12x8 ins., in a mound of stone, mkd. and witnessed as described in the official record.

Land, mountainous.

Soil, rocky clay, 3rd rate.

Timber, Yellow Pine, White Oak and Fir; undergrowth, seedling Yellow Pine.

Thence from the cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., described in the field notes of the S. bdy. of T. 11 N., R. 15 E., surveyed under this group.

S. 0° 02' E., bet. secs. 3 and 4.

Over rolling mountainous land, through thick timber and undergrowth; desc. 55 ft. over steep SE. slope.

2.00 Swale, course E.; asc. 154 ft. over steep NE. slope.

7.70 Spur slopes E.; desc. 454 ft. over SE. and along E. slope.

18.84 Slope changes to broken E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 25 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 4 | S 3
1937

from which

A White Oak, 8 ins. diam., bears N. 33° E.,
17 lks. dist., mkd. $\frac{1}{4}$ S 3 BT.

A Yellow Pine, 6 ins. diam., bears S. 25 $\frac{3}{4}$ ° W.,
53 lks. dist., mkd. $\frac{1}{4}$ S 4 BT.

Desc. 104 ft. along broken E. slope.

55.60 Enter bed of canyon wash, 50 lks. wide, course S. from N. 10° E.

59.40 Leave same wash, course SW. 3 chs., thence S.; asc. 14 ft. over NW. slope; thence along W. slope.

69.75 Slope changes to NW.; asc. 11 ft.; thence along W. slope.

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.Chains.
80.00

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, with brass cap mkd.

$$\begin{array}{r|l} T10N R15\frac{1}{2}E & \\ \hline S 4 & S 3 \\ S 9 & S 10 \\ 1937 & \end{array}$$

from which

A White Oak, 6 ins. diam., bears N. 55 $\frac{1}{2}$ ° E., 86 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 3 BT.

A Yellow Pine, 16 ins. diam., bears S. 60 $\frac{1}{2}$ ° E., 52 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 10 BT.

A Yellow Pine, 36 ins. diam., bears S. 78 $\frac{1}{4}$ ° W., 70 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 9 BT.

A Yellow Pine, 22 ins. diam., bears N. 74 $\frac{1}{4}$ ° W., 76 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 4 BT.

Land, rolling mountainous.

Soil, rocky clay, 3rd rate.

Timber, Yellow Pine, Fir and Oak; undergrowth, scrub of same, and Locust.

East, on a random line bet. secs. 3 and 10.

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

80.08 The cor. of secs. 2, 3, 10 and 11.

Thence

West, on true line bet. secs. 3 and 10.

Over rolling mountainous land, through thick timber and undergrowth; along a S. slope.

15.10 Truck trail bears NE. and SW. along a spur sloping SW.; desc. 187 ft. over W. and NW. slope.

28.50 Draw, course SW.; asc. 100 ft. over SE. slope.

34.90 Spur slopes SW.; desc. 132 ft. over steep NW. slope.

40.04 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.
$$\begin{array}{r|l} \frac{1}{4} S 3 & \\ \hline S 10 & \\ 1937 & \end{array}$$

from which

A Spruce, 5 ins. diam., bears S. 12 $\frac{1}{4}$ ° W., 10 lks. dist., mkd. $\frac{1}{4}$ S 10 BT.

A White Oak, 6 ins. diam., bears N. 4° W., 16 lks. dist., mkd. $\frac{1}{4}$ S 3 BT.

Desc. 245 ft. over steep NW. slope.

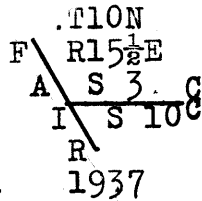
48.50 Canyon wash, 20 lks. wide, course SW.; asc. 258 ft. over SE. slope.

57.87 Intersect the N. bdy. of the Fort Apache Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

Chains. the ground, for closing cor. of frac. secs. 3 and 10, with brass cap mkd.



from which

A Yellow Pine, 18 ins. diam., bears N. 2 $\frac{1}{2}$ ° E., 37 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 3 CC BT.

A Yellow Pine, 14 ins. diam., bears S. 36 $\frac{1}{4}$ ° E., 39 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 10 CC BT.

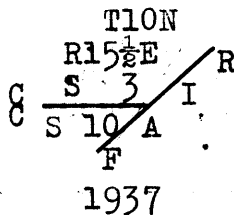
From the point of intersection angle point No. 911 of the reservation bdy. bears N. 56° 30' W., 7.39 chs. dist.; a pine tree, 24 ins. diam., mkd. and witnessed as described in the official record.

From the same point, the 113 $\frac{1}{2}$ mile cor. of the reservation bdy. bears S. 56° 30' E., 31.73 chs. dist.; a sandstone, 18x18x18 ins. above ground, firmly set, mkd. and witnessed as described in the official record.

Thence on a blank line across the reservation.

69.23 Intersect the N. bdy. of the Fort Apache Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground; for closing cor. of frac. secs. 3 and 10, with brass cap mkd.



from which

A Juniper, 6 ins. diam., bears S. 56 $\frac{1}{2}$ ° W., 75 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 10 CC BT.

A Yellow Pine, 16 ins. diam., bears N. 43 $\frac{1}{2}$ ° W., 36 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 3 CC BT.

From the point of intersection the 114th mile cor. of the reservation bdy. bears N. 52° 00' E., 1.90 chs. dist.; a sandstone 24x20x12 ins., in a mound of stone, mkd. and witnessed as described in the official record.

From the same point the 114 $\frac{1}{2}$ mile cor. of the reservation bdy. bears S. 52° 00' W., 40.85 chs. dist., a limestone 24x24x18 ins. above ground, firmly set, mkd. and witnessed as described in the official record.

The closing cor. is located on the SW. slope of a spur sloping S., 200 ft. below the crest.

I continue on true line bet. secs. 3 and 10.

Desc. 158 ft. over broken SW. slope.

80.08 The cor. of secs. 3, 4, 9 and 10.

Land, rolling mountainous. Soil, rocky clay, 3rd rate. Timber, Yellow Pine, Spruce and Oak; undergrowth, scrub of same, and Locust.

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

Chains. S. 0° 02' E., bet. secs. 9 and 10.
Over rolling mountainous land, through thick timber and undergrowth; desc. 340 ft. over SW. slope.

8.50 Intersect the N. bdy. of the Fort Apache Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of frac. secs. 9 and 10, with brass cap mkd.

T10N R15 $\frac{1}{2}$ E
CC
S 9 | S 10
F A I R
1937

from which

An Oak, 10 ins. diam., bears N. 10 $\frac{3}{4}$ ° E.,
108 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 10 CC BT.

An Oak, 8 ins. diam., bears S. 82 $\frac{1}{8}$ ° W.,
10 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 9 CC BT.

From the point of intersection the 114th mile cor. of the reservation bdy. bears N. 52° 00' E., 15.71 chs. dist.; a sandstone 24x20x12 ins. in a mound of stone, mkd. and witnessed as described in the official record.

From the same point the 114 $\frac{1}{2}$ mile cor. of the reservation bdy. bears S. 52° 00' W., 27.04 chs. dist.; a limestone, 24x24x18 ins. above ground, firmly set, mkd. and witnessed as described in the official record.

Land, rolling mountainous.
Soil, rocky clay, 3rd rate.
Timber, Yellow Pine, Spruce and Oak; undergrowth, scrub of same, and Locust.

Thence from the cor. of secs. 4, 5, 32 and 33 on the N. bdy. of the Tp., described in the field notes of the S. bdy. of T. 11 N., R. 15 E., surveyed under this group.

S. 0° 02' E., bet. secs. 4 and 5.

Over rolling mountainous land, through thick timber and undergrowth.

5.70 Old truck trail bears NE. and SW.; desc. 308 ft. over SE. slope.

27.60 Canyon wash, 20 lks. wide, course SW.; asc. 131 ft. over NW. slope.

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 5 | S 4
1937

from which

A Yellow Pine, 10 ins. diam., bears S. 52 $\frac{1}{4}$ ° E.,
63 lks. dist., mkd. $\frac{1}{4}$ S 4 BT.

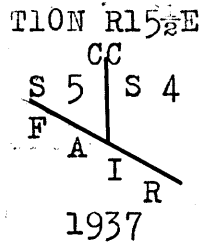
A Yellow Pine, 14 ins. diam., bears N. 33 $\frac{1}{2}$ ° W.,
50 lks. dist., mkd. $\frac{1}{4}$ S 5 BT.

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

Chains. Asc. 98 ft. over NW. slope.

40.78 Intersect the N. bdy. of the Fort Apache Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of frac. secs. 4 and 5, with brass cap mkd.



from which

. A Yellow Pine, 14 ins. diam., bears N. $37\frac{1}{2}^{\circ}$ E., 54 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 4 CC BT.

. A Fir, 24 ins. diam., bears N. $9\frac{3}{4}^{\circ}$ W., 13 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 5 CC BT.

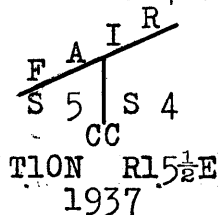
From the point of intersection the 117 $\frac{1}{2}$ mile cor. of the reservation bdy. bears S. $19^{\circ} 46'$ E., 5.37 chs. dist.; a sandstone 12x12x4 ins. above ground, firmly set, mkd. and witnessed as described in the official record.

From the same point angle point No. 928 of the reservation bdy. bears N. $19^{\circ} 46'$ W., 34.23 chs. dist.; a sandstone 12x12x6 ins. above ground, firmly set, mkd. and witnessed as described in the official record.

Thence on a blank line across the reservation.

49.58 Intersect the N. bdy. of the Fort Apache Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground to bedrock, in a mound of stone to top, for closing cor. of frac. secs. 4 and 5, with brass cap mkd.



from which

A Yellow Pine, 10 ins. diam., bears S. 58° E., 35 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 4 CC BT.

A Yellow Pine, 10 ins. diam., bears S. $25\frac{3}{4}^{\circ}$ W., 85 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 5 CC BT.

From the point of intersection angle point No. 927 of the reservation bdy. bears N. $58^{\circ} 16'$ E., 3.35 chs. dist.; described in the field notes of the N. bdy. of the reservation, resurveyed under this group.

From the same point angle point No. 926 of the reservation bdy. bears S. $58^{\circ} 16'$ W., 4.75 chs. dist.; a pine tree, 18 ins. diam., mkd. and witnessed as described in the official record.

The closing cor. in on a spur sloping SW.:

I continue bet. secs. 4 and 5.

Desc. 157 ft. over SW. slope.

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

Chains.									
59.65	Canyon wash, 15 lks. wide, course S. 80° W.; asc. 126 ft. over NW. slope.								
71.40	Flat top spur slopes S. 60° W.; desc. 23 ft. over S. slope.								
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, with brass cap mkd.								
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2">T10N R15$\frac{1}{2}$E</td> </tr> <tr> <td style="border-right: 1px solid black;">S 5</td> <td>S 4</td> </tr> <tr> <td style="border-right: 1px solid black;">S 8</td> <td>S 9</td> </tr> <tr> <td colspan="2" style="text-align: center;">1937</td> </tr> </table>	T10N R15 $\frac{1}{2}$ E		S 5	S 4	S 8	S 9	1937	
T10N R15 $\frac{1}{2}$ E									
S 5	S 4								
S 8	S 9								
1937									
	from which								
	A Yellow Pine, 12 ins. diam., bears N. 43° E., 20 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 4 BT.								
	A Yellow Pine, 10 ins. diam., bears S. 29 $\frac{1}{2}$ ° E., 43 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 9 BT.								
	A Yellow Pine, 10 ins. diam., bears S. 64 $\frac{1}{4}$ ° W., 46 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 8 BT.								
	A Yellow Pine, 8 ins. diam., bears N. 14 $\frac{1}{2}$ ° W., 39 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 5 BT.								
	Land, rolling mountainous. Soil, rocky clay, 3rd rate. Timber, Yellow Pine, Spruce and Oak; undergrowth, scrub of same, and Locust.								
	East, on a random line bet. secs. 4 and 9.								
40.00	Set temp. $\frac{1}{4}$ sec. cor.								
80.12	A point 4 lks. N. of the cor. of secs. 3, 4, 9 and 10. Thence N. 89° 58' W., on true line bet. secs. 4 and 9. Over rolling mountainous land, through thick timber and undergrowth; desc. 71 ft. over very rough broken W. slope.								
1.70	Canyon wash, 50 lks. wide, course S.; asc. 538 ft. over E. slope.								
31.00	Top of ridge bearing N. and S.; truck trail bears N. and S.; desc. 82 ft. over NW. slope.								
40.06	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.								
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="border-right: 1px solid black;">$\frac{1}{4}$ S 4</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black;">$\frac{1}{4}$ S 9</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center;">1937</td> </tr> </table>	$\frac{1}{4}$ S 4		$\frac{1}{4}$ S 9		1937			
$\frac{1}{4}$ S 4									
$\frac{1}{4}$ S 9									
1937									
	from which								
	A White Oak, 6 ins. diam., bears S. 27° W., 40 lks. dist., mkd. $\frac{1}{4}$ S 9 BT.								
	A Yellow Pine, 6 ins. diam., bears N. 31 $\frac{1}{4}$ ° W., 61 lks. dist., mkd. $\frac{1}{4}$ S 4 BT.								
	Desc. 194 ft. over NW. slope.								

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

- Chains.
 49.50 Canyon wash, 15 lks. wide, course S. 20° W.; asc. 215 ft. over SE. slope.
- 60.10 Spur slopes S. 20° W.; desc. 130 ft. over NW. slope.
- 66.60 Small wash at head of canyon, 10 lks. wide, course SW.; asc. 170 ft. over SE. slope.
- 76.60 Spur slopes SW.; thence along a S. slope.
- 80.12 The cor. of secs. 4, 5, 8 and 9.
- Land, rolling mountainous.
 Soil, rocky clay, 3rd rate.
 Timber, Yellow Pine, Spruce and Oak; undergrowth, scrub of same, and Locust.
-
- West, bet. secs. 5 and 8.
- Over rolling mountainous land, through thick timber and undergrowth.
- 9.00 Flat top spur slopes S. 60° W.; desc. 37 ft. over NW. slope.
- 18.59 Intersect the N. bdy. of the Fort Apache Indian Reservation.
- Set an iron post, 3 ft. long 2 ins. diam., 18 ins. in the ground to bedrock, in a mound of stone to top, for closing cor. of frac. secs. 5 and 8, with brass cap mkd.
- | | | |
|---|----------------------|---|
| F | T10N | |
| | R15 $\frac{1}{2}$ E. | |
| A | S 5 | 8 |
| I | S 8 | 8 |
| R | 1937 | |
- from which
- A Yellow Pine, 6 ins. diam., bears N. 47° E., 22 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 5 CC BT.
- A Yellow Pine, 20 ins. diam., bears S. 40 $\frac{3}{4}$ ° E., 50 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 8 CC BT.
- From the point of intersection the 117th mile cor. of the reservation bdy. bears N. 17° 45' E., 0.47 ch. dist.; a granite stone 12x12x5 ins. above ground, firmly set, mkd. and witnessed as described in the official record.
- From the same point angle point No. 924 of the reservation bdy. bears S. 17° 45' W., 2.50 chs. dist.; a pine tree, 18 ins. diam., mkd. and witnessed as described in the official record.
- Land, rolling mountainous.
 Soil, rocky clay, 3rd rate.
 Timber, Yellow Pine, Spruce and Oak; undergrowth, scrub of same.
-
- From cor. of secs. 4, 5, 8 and 9.
- S. 0° 02' E., bet. secs. 8 and 9.
- Over rolling mountainous land, through thick timber and undergrowth; desc. 187 ft. over SW. slope.
- 8.60 Head of small draw, course SE.; asc. 96 ft. over NE. slope.

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

Chains.

17.80

Spur slopes S.; desc. 132 ft. over SE. slope.

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.
$$\begin{array}{c} \frac{1}{4} \\ S \ 8 \ | \ S \ 9 \\ 1937 \end{array}$$

from which

A White Oak, 10 ins. diam., bears N. 84 $\frac{1}{2}$ ° E., 9 lks. dist., mkd. $\frac{1}{4}$ S 9 BT.A Yellow Pine, 6 ins. diam., bears N. 37 $\frac{1}{2}$ ° W., 14 lks. dist., mkd. $\frac{1}{4}$ S 8 BT.

Desc. 333 ft. over SE. slope.

69.66

Intersect the N. bdy. of the Fort Apache Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of frac. secs. 8 and 9, with brass cap mkd.

T10N R15 $\frac{1}{2}$ E
$$\begin{array}{c} CC \\ S \ 8 \ | \ S \ 9 \\ \hline F \ A \ I \ R \\ 1937 \end{array}$$

from which

An Oak, 6 ins. diam., bears N. 42 $\frac{1}{4}$ ° E., 67 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 9 CC BT.An Oak, 6 ins. diam., bears N. 87° W., 65 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 8 CC BT.From the point of intersection the 115 $\frac{1}{2}$ mile cor. of the reservation bdy. bears S. 67° 30' W., 5.96 chs. dist.; a sandstone 18x10x4 ins. above ground, firmly set, mkd. and witnessed as described in the official record.

From the same point angle point No. 914 of the reservation bdy. bears N. 67° 30' E., 35.60 chs. dist.; a pine tree, 30 ins. diam., mkd. as described in the official record.

Thence on a blank line within the reservation.

80.00

Set temp. cor. of secs. 8, 9, 16 and 17.

Land, rolling mountainous.

Soil, rocky clay, 3rd rate.

Timber, Yellow Pine, Spruce and Oak; undergrowth, scrub of same, and Locust.

West, on a blank line within the Fort Apache Indian Reservation.

19.66

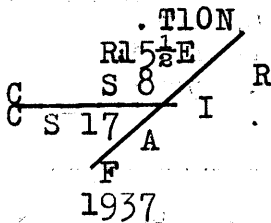
Intersect the N. bdy. of the Fort Apache Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for closing cor. of frac. secs. 8 and 17, with brass cap mkd.

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

BOOK 2110

Chains.



from which

A Yellow Pine, 8 ins. diam., bears N. 36 $\frac{3}{4}$ ° E.,
45 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 8 CC BT.

A Yellow Pine, 12 ins. diam., bears S. 70 $\frac{1}{2}$ ° W.,
88 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 17 CC BT.

From the point of intersection angle point No. 915 of
the reservation bdy. bears N. 48° 08' E., 1.59 chs.
dist.; a dead pine, mkd. and witnessed as described in
the official record.

From the same point angle point No. 916 of the reserv-
ation bdy. bears S. 48° 08' W., 3.78 chs. dist.; a
juniper tree, 30 ins. diam., mkd. and witnessed as desc-
ribed in the official record.

The closing cor. is on the top of a spur which slopes
S. 10° E.

I continue bet. secs. 8 and 17.

Over rolling mountainous land, through thick timber and
undergrowth.

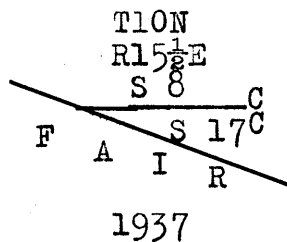
21.50 Desc. 181 ft. over SW. slope.

22.75 A five strand wire fence bears S. 50° W. and N. 50° E.

30.20 Head of draw, 8 lks. wide, course S. 30° E.; asc.
101 ft. over SE. slope.

35.36 Intersect the N. bdy. of the Fort Apache Indian
Reservation.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
the ground, for closing cor. of frac. secs. 8 and 17,
with brass cap mkd.



from which

A Yellow Pine, 8 ins. diam., bears S. 84 $\frac{1}{4}$ ° E.,
108 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 17 CC BT.

A Yellow Pine, 12 ins. diam., bears N. 18 $\frac{1}{2}$ ° W.,
61 lks. dist., mkd. T 10 N R 15 $\frac{1}{2}$ E S 8 CC BT.

From the point of intersection angle point No. 917 of
the reservation bdy. bears N. 79° 00' W., 3.67 chs. dist.;
described in the field notes of the N. bdy. of the res-
ervation, resurveyed under this group.

From the same point, angle point No. 916 of the reserv-
ation bdy. bears S. 79° 00' E., 13.17 chs. dist.; a
juniper tree, 30 ins. diam., mkd. and witnessed as
described in the official record.

Subdivision of Fractional T. 10 N., R. 15 $\frac{1}{2}$ E.

Land, rolling mountainous.
Soil, rocky clay, 3rd rate.
Timber, Yellow Pine, Spruce and Oak; undergrowth, scrub
of same, and Locust.

Final tests of solar attachments.

For final test of Buff and Buff No. 9984, see preliminary test as outlined in the field notes of the subdivision of township 11 north, range 15 east, surveyed under this group.

For final test of Young and Sons No. 8385, see final test as outlined in the field notes of the subdivision of township 11 north, range 15 east, surveyed under this group.

Final test of Young and Sons No. 8491.

May 25, 1937: On the meridian established in camp in the NE $\frac{1}{4}$ of sec. 24, T. 11 N., R. 14 E., at 7:00 a.m., appt. time, I set off 34° 20' on the latitude arc, and with 20° 57' 30" N. on the declination arc, determine a meridian with the solar which I find to agree with the meridian established from Polaris.

The tests are repeated every half hour until 5:00 p.m., with the latitude arc unchanged, and proper settings on the declination arc, and the resulting meridians do not deviate more than 1' 30" from the meridian established from Polaris.

General Description.

The entire township is rolling mountainous land; soil poor, 3rd and 4th rate rocky clay. There is a heavy stand of Yellow Pine, Spruce, Fir and Oak timber, with undergrowth of scrub and second growth of the same variety, and scattering Locust, Grapevine and Manzanita.

There is no water in the township; and there are no settlers or mining claims located therein.

(12)

FOUR 440

4-680
(Revised May 1934)

FIELD ASSISTANTS

NAMES	CAPACITY
Harold R. Ruddell	Principal Assistant
Donald Gifford	"
Fred D. Harris	Chainman
Glen Snyder	"
Robert O. Jones	Flagman
Frank Brown	"
Elbert T. Mosley	Moundsman
Walter Fields	Moundsman and Axeman
Kenneth Poor	Axeman

20
18
BOOK 4173

CERTIFICATE OF [REDACTED] SURVEYOR

We, Horace M. Muscott, Public Land Surveyor, and Carroll I. Parkman, James C. Norman, and Benjamin J. Mollette, Transitmen, General Land Office,

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 May 15, 1937, we have surveyed the subdivisional lines of fractional township 10 north, range 15 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: January 6, 1938.

Phoenix, Arizona, Jan. 15, 1938

Phoenix, Arizona, Jan. 14, 1938.

Phoenix, Arizona, Jan. 12, 1938.

Horace M. Muscott
Public Land Surveyor
Benjamin J. Mollette
Transitman
Carroll I. Parkman
Transitman
James C. Norman
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 subdivisional lines of fractional township 10 north, range 15 1/2 east, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Howard M. Muscott, Public Land Surveyor, and Carroll I. Parkman, James C. Norman and Benjamin J. Mollette, Transitmen, General Land Office,

under special instructions dated June 20, 1934, and assignment instructions dated May 15, 1937,

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.

Frank A. Johnson
Supervisor of Surveys.

~~CERTIFICATE OF TRANSCRIPT~~

~~I certify that the foregoing transcript of the field notes of the above described surveys in [REDACTED] is a true copy of the original field notes on file in the public survey office.~~

~~U.S. Supervisor of Surveys.~~