

BOOK "C"

4-679

3618

BOOK 3618

FIELD NOTES

OF THE SURVEY OF THE

The East Boundary,

The North Boundary and

The Subdivision of

T. 33 N., R. 8 W.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

William B. Kimmel

and

Deane R. Averill

In the capacity of U. S. Surveyors, under Special Instructions dated October 12, 1916, issued by the United States Surveyor General to govern surveys included in Group No. 72, Arizona, which were approved by the Commissioner of the General Land Office, October 24, 1916, and Assignment Instructions dated April 3, 1917.

Survey commenced August 15, 1917

Survey completed November 28, 1917.

3618

3618

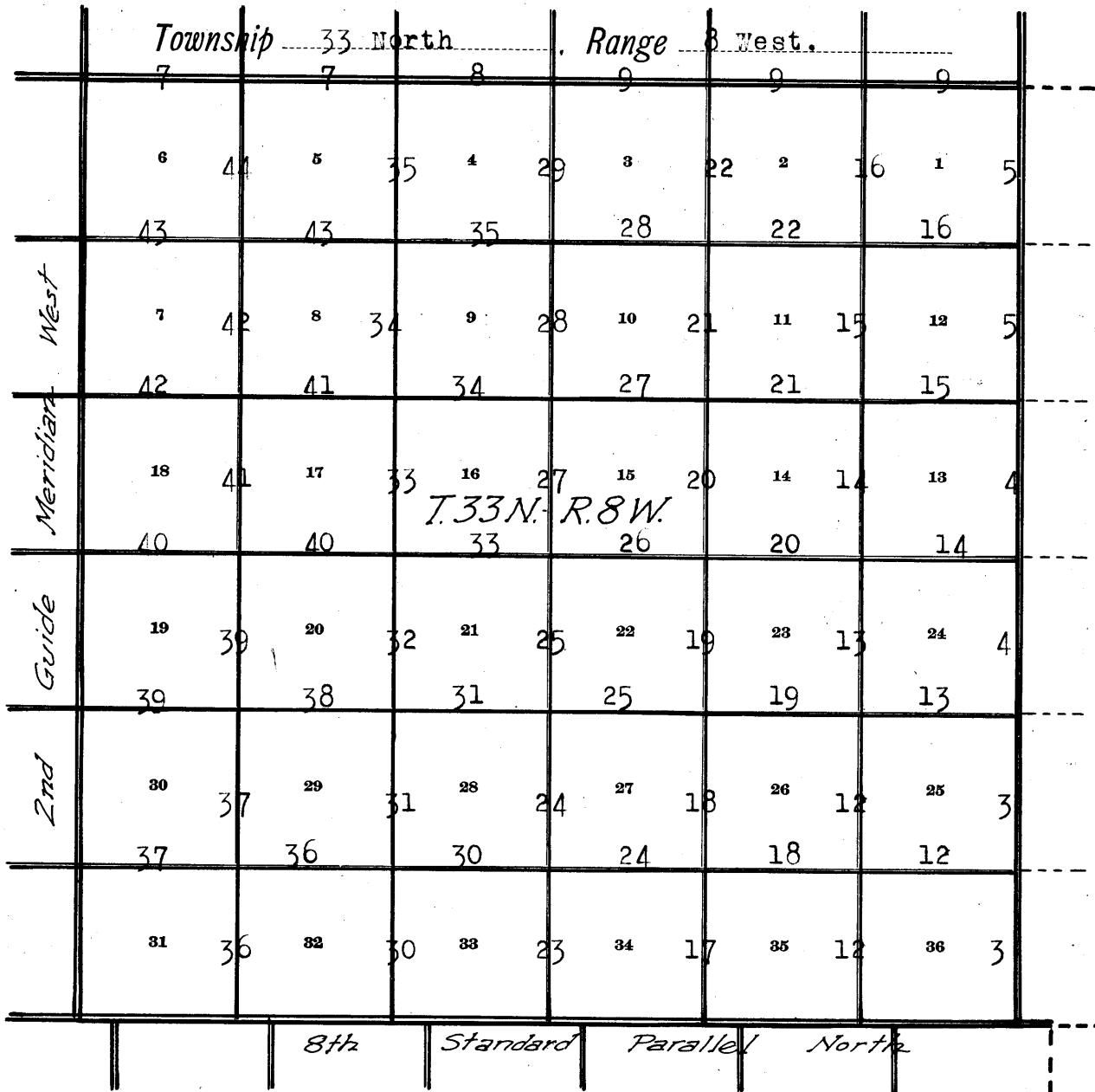
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Book "C"

Group 72 - Arizona.

BOOK 3618

INDEX DIAGRAM.



———— Lines surveyed under this group.

----- Unsurveyed.

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Book "C"

Group 72-----Arizona.

DATE DIAGRAM.

T.33 N.,R.8 W.

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		Standard	Parallel	North		

For dates of execution of survey of this line see Book "J"

Lines in red surveyed by William B. Kimmel.

Lines in black surveyed by Dupree R. Averill.

Survey commenced August 15, 1917, and executed with Young and Sons light mountain transits Nos. 8478 and 8480; the instruments are equipped with Smith solar attachments and full vertical circles; unless otherwise specified, all azimuth determinations are accomplished with the solar attachments.

Field Tests of Instruments Nos. 8478 and 8480
by Dupree R. Averill, U. S. Transitman.

I examine the adjustments of the instruments and correct all errors; then, to test the solar apparatus, by comparing their indications, resulting from observations made during a.m. and p.m. hours with a meridian established by Polaris observation, proceed as follows:

August 15, 1917:

In camp, near the $\frac{1}{2}$ sec. cor. bet. secs. 25 and 26, T. 33 N., R. 8 W., G. and S. R. B. and M., Arizona, lat. $36^{\circ}13\frac{1}{2}'$ N., long. $113^{\circ}07\frac{1}{2}'$ W., at 8 hrs. 0 m., a.m., l.m.t., I set off $36^{\circ}13\frac{1}{2}'$ N. on the lat. arcs; $14^{\circ}08'$ N. on the decl. arcs; and determine a meridian with each solar, which I find to be coincident. I mark a point in this line by a tack in a peg driven firmly in the ground, 5 chs, N.

At the std. cor. of secs. 35 and 36, on the S. bdy. of T. 33 N., R. 8 W.--8th Std. Parallel North-- at apparent noon, I set off $36^{\circ}12\frac{1}{2}'$ N. on the lat. arc of instrument No. 8480, and observe the sun on the meridian; the resulting reading of the decl. arc is $14^{\circ}42'$ N., which is the computed decl. of the sun.

At 4 hrs. 0 m., pm., l.m.t., occupying the same station as during the morning observations, I set off $36^{\circ}13\frac{1}{2}'$ N. on the lat. arcs of both instruments; $14^{\circ}02'$ N. on the decl. arcs; and determine a meridian with each instrument. Both lines are coincident, and agree with the morning observations.

In camp, using the same station, at 9 hrs. 58.2 m., p.m., l.m.t., I observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground, 5 chs. N.

Azimuth of Polaris, $1^{\circ}24\frac{1}{2}'$ East.

August 16, 1917: At 8 hrs. 0 m., a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}24\frac{1}{2}'$ to the west. The true meridian thus determined is coincident with the solar meridians determined in a.m. and p.m. hours.

As all of the solar observations during the usual hours of solar work come within $1'30''$ of the true meridian, we conclude that the adjustments of the instruments are satisfactory.

Unless otherwise specified, all measurements are made with a Lufkin steel tape, 5 chs. in length, compared with a Lufkin standard 1 ch. steel tape and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

Survey of the
East Boundary of T. 33 N., R. 8 W.

Chains.

From the std. cor. of Ts. 33 N., Rs. 7 and 8 W., which is an iron post, described in Book "J", North bet. secs. 31 and 36. Over rolling land, through scattering undergrowth. Asc. 25 ft.

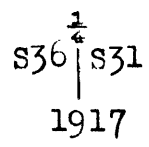
2.50 Pinnacle of black rock. Desc.

5.00 Asc. 75 ft., over S. slope.

12.50 Thence over rolling land.

36.20 Draw, course S.20°E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



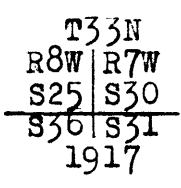
Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Continue over level land.

60.00 Asc. 25 ft.

64.00 Thence over level land.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked on brass cap



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

Land; rolling and level.

Soil; rocky, 4th rate; lava flow.

Timber; none.

Undergrowth; sagebrush, and Spanish bayonet.

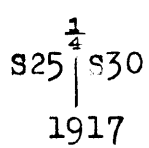
North bet. secs. 25 and 30. Over level land, through scattering undergrowth. Asc. 30 ft.

39.00 Desc. 20 ft.

35.00 Draw, course SE. Asc. over SW. slope.

39.50

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.

From this cor., North end of reservoir brs. East about 60 chs. dist.

Continue ascent, 70 ft.

47.50 Top of red knoll; desc. 45 ft., over N. slope.

54.75 Wash, course SW. Asc. 40 ft.

60.00 Thence over level land.

65.50 Head of wash, course SE. Continue over level land.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone, 20 ins. high, for cor. of secs. 19, 24, 25 and 30, marked on brass cap

Survey of the
East Boundary of T. 33 N., R. 8 W.

Chains.

T33N	
R8W	R7W
S24	S19
<hr/>	
S25	S30
1917	

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Land; level and broken.
 Soil; rocky, 4th rate.
 No timber.
 Undergrowth; sagebrush.

20.00 North bet. secs. 19 and 24.
 35.00 Over level land, through scattering undergrowth.
 40.00 From this point, a few scattering cedar trees br. West.
 Asc. 65 ft., over S. slope.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

¼	
S24	S19
<hr/>	
1917	

42.00 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 70.00 Continue ascent, 30 ft.
 74.25 Thence over rolling bench land, draining East.
 80.00 Desc. 25 ft.
 Draw, course SE. Asc. 10 ft.
 Spur, slopes N. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, marked on brass cap

T33N	
R8W	R7W
S13	S18
<hr/>	
S24	S19
1917	

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Land; level and rolling.
 Soil; rocky, 3rd and 4th rates.
 Timber; none.
 Undergrowth; sagebrush.

10.00 North bet. secs. 13 and 18.
 20.00 Over rolling land, through scattering undergrowth.
 40.00 Desc. gradual slope, 50 ft.
 Thence over level land.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

¼	
S13	S18
<hr/>	
1917	

43.50 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 80.00 Continue through dense sagebrush undergrowth.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the

Survey of the
East Boundary of T. 33 N., R. 8 W.

Chains.

ground, for cor. of secs. 7, 12, 13 and 18, marked on
brass cap

T33N	
R8W	R7W
S12	S6
S13	S18
1917	

From which

A cedar, 14 ins. diam., brs. N.46¹/₂°E.,
248 lks. dist., marked T33N R7W S7 BT.

A cedar, 8 ins. diam., brs. S.67¹/₂°W.,
146 lks. dist., marked T33N R8W S13 BT.

A cedar, 14 ins. diam., brs. N.74°W.,
73 lks. dist., marked T33N R8W S12 BT.

Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE., SW.
and NW. of post, 3 ft. dist.

Land; rolling and level.

Soil; 2nd and 4th rates.

Timber; none.

Undergrowth; sagebrush,

North bet. secs. 7 and 12.

Over level land, through scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for ¹/₄ sec. cor., marked on brass cap

¹ / ₄	
S12	S 7
1917	

Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
dist.

50.00 East tip of low lava spur. Continue over level land.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 1, 6, 7 and 12, marked on brass
cap

T33N	
R8W	R7W
S 1	S 6
S12	S 7
1917	

Dig pits, 18 X 18 X 12 ins., in each sec., NE., SE.,
SW. and NW. of post, 3 ft. dist.

Land; level.

Soil; loam, 1st and 2nd rate.

Timber; none.

Undergrowth; sagebrush.

North bet. secs. 1 and 6.

Over level land, through scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for ¹/₄ sec. cor., marked on brass cap

¹ / ₄	
S 1	S 6
1917	

Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.
dist.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of Ts. 33 and 34 N., Rs. 7 and 8 W.,

Survey of the
East Boundary of T. 33 N., R. 8 W.

Chains.

marked on brass cap

T34N	
R8W	R7W
S36	S31

S 1	S 6
T33N	
1917	

Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
 Land; level.
 Soil; rocky loam, 2nd rate.
 Timber; none.
 Undergrowth; sagebrush.

Survey of the
North Boundary of T. 33 N., R. 8 W.

Chains.

From the cor. of Ts. 33 and 34 N., Rs. 7 and 8 W., which is an iron post, hereinbefore described,
West on a random line, along the N. bdy. of T. 33 N., R. 8 W., setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs.; and at 479.30 chs., fall 12 lks. N. of the cor. of Ts. 33 and 34 N., Rs. 8 and 9 W., on the 2nd Guide Meridian West, which is an iron post, described in Book "E". The falling answers to a correction of $0^{\circ}1'$, or 2 lks. S. per mile, counting from the NE. cor. of the Tp.

From the cor. of Ts. 33 and 34 N., Rs. 8 and 9 W., N. $89^{\circ}59'E.$ on a true line, bet. secs. 6 and 31. Over mountainous land, through scattering timber and dense undergrowth.

- 0.80 Desc.
- Wash, course SW. Asc. 100 ft.
- 9.30 Thence along S. slope.
- 25.80 Wash, course SW. Asc. 280 ft., over NW. slope.
- 39.30 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, 20 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4} \frac{S31}{S6}$
1917

From which

- A pinyon, 8 ins. diam., brs. N. $13^{\circ}W.$, 51 lks. dist., marked $\frac{1}{4}S31$ BT.
- A pinyon, 6 ins. diam., brs. S. $25^{\circ}E.$, 67 lks. dist., marked $\frac{1}{4}S6$ BT.

Continue ascent, 200 ft., over NW. slope.

- 46.80 Draw, course NW. Continue ascent, 225 ft.
- 55.80 Desc.
- 60.30 Gulch, course SW. Thence along N. slope.
- 62.30 Same gulch, course NW. Asc. 100 ft., over SW. slope.
- 69.30 Spur, slopes NW. Desc.
- 74.30 Asc. 25 ft.
- 76.30 Desc. 15 ft.
- 79.30 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, 14 ins. in a mound of stone, for cor. of secs. 5, 6, 31 and 32, marked on brass cap

T34N R8W
 $\frac{S31}{S6} | \frac{S32}{S5}$
T33N
1917

From which

- A pinyon, 8 ins. diam., brs. N. $15^{\circ}E.$, 101 lks. dist., marked T34N R8W S32 BT.
- A pinyon, 10 ins. diam., brs. S. $6^{\circ}E.$, 99 lks. dist., marked T33N R8W S5 BT.
- A cedar, 22 ins. diam., brs. S. $19^{\circ}W.$, 31 lks. dist., marked T33N R8W S6 BT.
- A pinyon, 6 ins. diam., brs. N. $55^{\circ}W.$, 26 lks. dist., marked T34N R8W S31 BT.

Land; mountainous.

Soil; rocky, 3rd and 4th rates.

Timber; pinyon, and cedar.

Undergrowth; white oak, scrub oak, sagebrush, and dog-wood.

N. $89^{\circ}59'E.$ on a true line, bet. secs. 5 and 32. Over mountainous land, through scattering timber and undergrowth.

Desc.

BC

Survey of the
North Boundary of T. 33 N., R. 8 W.

Chains.
0.24 Head of draw, course NW. Asc. 210 ft., over NW. slope.
20.00 Desc. 20 ft.
23.00 Asc. 205 ft., over NW. slope.
30.00 Enter yellow pine timber, brs. NE. and SW.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S32
S 5
1917

From which

A pinyon, 6 ins. diam., brs. N.3°E.,
68 lks. dist., marked $\frac{1}{4}$ S32 BT.
A yellow pine, 30 ins diam., brs. S.6°E.,
99 lks. dist., marked $\frac{1}{4}$ S5 BT.
Continue ascent, 65 ft., over SW. slope.
49.00 Spur, slopes NW. Desc. 110 ft., over NE. slope.
68.00 Asc. 130 ft., over W. slope.
73.50 Ridge, brs. N. and S. Desc. 80 ft., over E. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, marked on brass cap

T34N R8W
S32 S33
S 5 S 4
T33N
1917

From which

A yellow pine, 20 ins diam., brs. N.61 $\frac{1}{2}$ °E.,
145 lks. dist., marked T34N R8W S33 BT.
A pine, 24 ins diam., brs. S.72°E.,
273 lks. dist., marked T33N R8W S4 BT.
A pine, 8 ins. diam., brs. S.68 $\frac{1}{2}$ °W.,
243 lks. dist., marked T33N R8W S5 BT.
A pinyon, 10 ins. diam., brs. N.44 $\frac{1}{2}$ °W.,
71 lks. dist., marked T34N R8W S32 BT.

Land; mountainous.
Soil; rocky, 3rd and 4th rates.
Timber; pinyon, cedar, and yellow pine.
Undergrowth; white oak, scrub oak, dogwood, and sage-brush.

N.89°59'E. on a true line, bet. secs. 4 and 33.
Over broken land, through scattering timber and undergrowth.
Desc. 25 ft.
10.00 Asc. 50 ft.
13.00 Top of ascent.
14.00 Draw, course N. Thence along N. slope.
20.00 Desc. 43 ft. *23.70 Asc. 100 ft.*
33.00 Thence along N. slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S33
S 4
1917

From which

A yellow pine 16 ins. diam., brs. N.26°E.,
200 lks. dist., marked $\frac{1}{4}$ S33 BT.
A yellow pine, 20 ins. diam., brs. S.12 $\frac{1}{2}$ °E.,
379 lks. dist., marked $\frac{1}{4}$ S4 BT.
43.00 Desc. 225 ft., over NE. slope.
65.00 Enter yellow pine timber, brs. NW. and SE. Continue over N. slope, through dense undergrowth.

E000

Survey of the
North Boundary of T. 33 N., R. 8 W.

Chains. N. 89° 59' E. on a true line, bet. secs. 2 and 35.
Over mountainous land, through heavy timber and dense undergrowth.
Asc. 15 ft.
1.50 Desc. 755 ft., over broken SE slope.
26.00 Wash, course SE. Asc. 15 ft.
30.75 Desc. 100 ft., over SE. slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/2 sec. cor., marked on brass cap

$$\frac{1}{2} \frac{S35}{S2}$$

1917

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
Continue descent, 25 ft.
47.50 Asc. 80 ft., along S. slope.
56.00 Cliff, brs. N. and S., on spur, slopes S. Continue ascent.
68.00 Desc. 390 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 25 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, marked on brass cap

$$\begin{array}{c} T34N R8W \\ S35 | S36 \\ \hline S2 | S1 \\ T33N \\ 1917 \end{array}$$

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor
Land; mountainous.
Soil; rocky, 3rd and 4th rates.
Timber; pinyon, and cedar.
Undergrowth; scrub oak.

N. 89° 59' E. on a true line, bet. secs. 1 and 36.
Over broken land, through dense undergrowth.
Desc. 230 ft., over E. slope.
20.00 Thence over level land.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/2 sec. cor., marked on brass cap

$$\frac{1}{2} \frac{S36}{S1}$$

1917

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.
80.00 The cor. of Ts. 33 and 34 N., Rs. 7 and 8 W.
Land; broken and level.
Soil; loam; 1st rate.
No timber.
Undergrowth; sagebrush.

Survey of the
North Boundary of T. 33 N., R. 8 W.

Chains.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, marked on brass cap

T34N R8W
S33 | S34
S 41 3 3
T33N
1917

From which
A yellow pine, 26 ins diam., brs. N.76½°E.,
80 lks. dist., marked T34N R8W S34 BT.
A yellow pine, 14 ins. diam., brs. S.31½°E.,
83 lks. dist., marked T33N R8W S3 BT.
A yellow pine, 24 ins. diam., brs. S.10½°W.,
133 lks. dist., marked T33N R8W S4 BT.
A pine, 26 ins. diam., brs. N.58½°W.,
177 lks. dist., marked T34N R8W S33 BT.

Land; broken.
Soil; rocky, 4th rate;
Timber; pinyon, cedar, pine, and yellow pine.
Undergrowth; sagebrush, dogwood, scrub oak, and white oak.

N.89°59'E. on a true line, bet. secs. 3 and 34.
Over mountainous land, through heavy timber and dense undergrowth.

Along N. slope.
6.00 Asc. 335 ft., over W. slope.
21.50 Top of knoll; desc. 230 ft., over E. slope.
34.00 Head of draw, course NE. Thence over level land.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

¼ S34
S 3
1917

From which
A pinyon, 10 ins. diam., brs. N.10°W.,
47 lks. dist., marked ¼ S34 BT.
A pinyon, 12 ins. diam., brs. S.32½°W.,
85 lks. dist., marked ¼ S3 BT.

Desc. 415 ft., over E. slope.
60.00 Head of draw, course E. Desc. in draw.
75.00 Leave draw, course SE. Continue descent.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 25 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, marked on brass cap

T34N R8W
S34 | S35
S 31 8 2
T33N
1917

From which
A pinyon, 16 ins. diam., brs. N.19°E.,
103 lks. dist., marked T34N R8W S35 BT.
A pinyon, 4 ins. diam., brs. S.36°E.,
18 lks. dist., marked T33N R8W S2 BT.
A pinyon, 8 ins. diam., brs. S.58°W.,
47 lks. dist., marked T33N R8W S3 BT.
A pinyon, 8 ins. diam., brs. N.40½°W.,
25 lks. dist., marked T34N R8W S34 BT.

Land; mountainous.
Soil; rocky, 3rd rate; lava cinders.
Timber; pinyon, cedar, and pine.
Undergrowth; sagebrush, dogwood, scrub oak, and white oak.

Boundaries of T. 33 N., R. 8 W.

Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist. chs.	Latitudes.		Departures.	
			N. chs.	S. chs.	E. chs.	W. chs.
South Boundary (8th Std. Par. N.)	West.	480.00				480.00
West Boundary (2nd Guide Mer. West.)	North.	480.00	480.00			
North Boundary.	N. 89° 59' E.	479.30	.12		479.30	
East Boundary.	South.	480.00		480.00		
Convergency.					.53	
Totals.			480.12	480.00	479.83	480.00
<u>Error in latitude</u>			480.00			479.83
<u>Error in departure</u>			0.12			0.17

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

From the standard cor. of secs. 35 and 36, on the S. bdy. of Tp.--8th Standard Parallel North-- which is an iron post, described in Book "J",
N.0°1'W. bet. secs. 35 and 36.
Over mountainous land, through scattering undergrowth.
Asc. 310 ft., over broken S. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S35 | S36
1917

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

Desc. 20 ft.

50.00 Wash, course SW. Asc. 195 ft.

70.00 Desc.

75.00 Head of same wash, course SE. Asc. 35 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap

T33N R8W
S26 | S25
S35 | S36
1917

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

Land; mountainous.

Soil; rocky, 4th rate; lava flow.

Timber; none.

Undergrowth; sagebrush, and Spanish bayonet.

East on a random line, bet. secs. 25 and 36.

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

80.00 Fall 2 lks. N. of the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of Tp., which is an iron post, hereinbefore described.

Thence

N.89°59'W. on a true line, bet. secs. 25 and 36.

Over nearly level land, through scattering undergrowth.

6.00 Wash, course SE.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S25
S36
1917

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

50.00 Asc. 40 ft.

59.00 Thence over level land.

80.00 The cor. of secs. 25, 26, 35 and 36.

Land; level and nearly level.

Soil; rocky, 4th rate; lava flow.

Timber; none.

Undergrowth; sagebrush and Spanish bayonet.

N.0°1'W. bet. secs. 25 and 26.

Over nearly level land, through dense undergrowth.

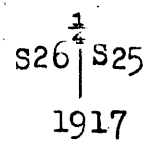
Asc. 15 ft.

2.50 Thence over level land.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



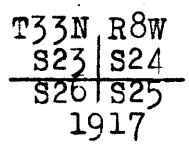
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

45.00 Asc. 55 ft.

51.80 Desc. 65 ft., over NE. slope.

54.40 Wash, course SE. Asc. 145 ft., over SW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap



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

Land; nearly level; and broken.
Soil; rocky, 4th rate; lava flow.
Timber; none.
Undergrowth; sagebrush.

S. $89^{\circ}59'$ E. on a random line, bet. secs. 24 and 25.

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

80.00 Fall 2 lks. S. of the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of Tp., which is an iron post, hereinbefore described.

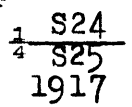
Thence

West on a true line, bet. secs. 24 and 25.

Over level lava flow land, through scattering undergrowth.

35.00 Leave lava flow, brs. N and S.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the ground, 20 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

65.00 Asc. 20 ft., over E. slope.

71.00 Top of red knoll. Desc. 25 ft., over W. slope.

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

Land; level and rolling.
Soil; rocky, 3rd and 4th rate; lava flow.
Timber; none.
Undergrowth; sagebrush.

N. $0^{\circ}1'$ W. bet. secs. 23 and 24.

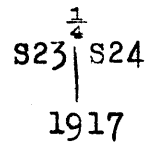
Over broken land, through scattering undergrowth.

Desc. 20 ft.

5.50 Draw, course E. Asc. 95 ft.

19.00 Thence over level land.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
70.00 Enter scattering timber, brs. E. and SW.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap

$$\begin{array}{r} T33N R8W \\ S14 | S13 \\ \hline S23 | S24 \\ 1917 \end{array}$$

From which

A pinyon, 14 ins. diam., brs. N. 93° E.,
108 lks. dist., marked T33N R8W S13 BT.
A pinyon, 6 ins. diam., brs. S. 18° E.,
299 lks. dist., marked T33N R8W S24 BT.
A pinyon, 5 ins. diam., brs. S. 27° W.,
294 lks. dist., marked T33N R8W S23 BT.
A pinyon, 6 ins. diam., brs. N. $44\frac{1}{2}^{\circ}$ W.,
147 lks. dist., marked T33N R8W S14 BT.
Land; broken and level.
Soil; rocky, 3rd and 4th rate; lava flow.
Timber; pinyon, and cedar.
Undergrowth; sagebrush.

40.00 East on a random line, bet. secs. 13 and 24.
80.00 Set temp. $\frac{1}{4}$ sec. cor.
Intersect the cor. of secs. 13, 18, 19 and 24, on E. bdy. of Tp.
Thence
West on a true line, bet. secs. 13 and 24.
Over level land, through scattering timber and undergrowth.
18.10 Gulch, course NE. Asc. 45 ft.
25.00 Continue over level land.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} S13 \\ \frac{1}{4} S24 \\ 1917 \end{array}$$

From which

A cedar, 10 ins. diam., brs. N. 31° E.,
22 lks. dist., marked $\frac{1}{4}$ S13 BT.
A cedar, 8 ins. diam., brs. S. $75\frac{1}{2}^{\circ}$ E.,
91 lks. dist., marked $\frac{1}{4}$ S24 BT.
Thence over level land.
50.00 Asc. 35 ft.
55.00 Thence over level land.
80.00 The cor. of secs. 13, 14, 23, and 24.
Land; level.
Soil; rocky, 3rd and 4th rates.
Timber; cedar.
Undergrowth; sagebrush.

N. 0° 1' W. bet. secs. 13 and 14.
Over level land, through scattering timber and dense undergrowth.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} S14 | S13 \\ \hline 1917 \end{array}$$

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

From which

A cedar, 8 ins. diam., brs. N.33³/₄°E.,
288 lks. dist., marked ¹/₄S13 BT.

Raise a mound of stone, 2 ft. base, 1¹/₂ ft. high, W. of cor.

55.00 Leave timber, brs. E. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap

T33N R8W
S11 | S12

S14 | S13
1917

Raise a mound of stone, 2 ft. base, 1¹/₂ ft. high, W. of cor.

Land; level.

Soil; rocky, 3rd and 4th rates.

Timber; scattering pinyon, and cedar.

Undergrowth; sagebrush.

East on a random line, bet. secs. 12 and 13.

40.00 Set temp. ¹/₄ sec. cor.

80.06 Fall 2 lks. N. of the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of Tp., which is an iron post, hereinbefore described.

Thence

N.89°59'W. on a true line, bet. secs. 12 and 13.

Over level land, through scattering timber and undergrowth.

30.05 Asc. 90 ft., over NE. slope.

35.05 Thence over level land.

40.03 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¹/₄ sec. cor., marked on brass cap.

¹/₄ S12

S13
1917

From which

A cedar, 10 ins. diam., brs. N.54°W.,
17 lks. dist., marked ¹/₄S12 BT.

A cedar, 6 ins. diam., brs. S.51°E.,
40 lks. dist., marked ¹/₄S13 BT.

Thence over level land.

55.35 Draw, course N. Asc. 30 ft.

58.55 Continue over level land.

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

Land; level and rolling.

Soil; rocky, 3rd and 4th rates; lava flow.

Timber; cedar, and pinyon.

Undergrowth; sagebrush.

N.0°1'W. bet. secs. 11 and 12.

Over level land, through scattering undergrowth.

3.00 Draw, course NE. Asc. 44 ft.

6.20 Thence over level land.

13.00 Desc. gradual N. slope.

30.00 Asc. 25 ft.

32.50 Rock peak on line. Desc. 50 ft.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¹/₄ sec. cor., marked on brass cap.

¹/₄
S11 | S12
1917

BOOK 0018

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

55.00 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Desc. over gradual N. slope.
 76.25 Desc. 25 ft.
 80.00 Wash, course NE. Thence over level land.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, marked on brass cap

T33N R8W
 S 2 | S 1
 ———
 S11 | S12
 1917

From which
 A pinyon, 6 ins. diam., brs. N.18½°E.,
 116 lks. dist., marked T33N R8W S1 BT.
 A pinyon, 8 ins. diam., brs. S.52½°E.,
 238 lks. dist., marked T33N R8W S12 BT.
 A cedar, 12 ins. diam., brs. S.30°W.,
 72 lks. dist., marked T33N R8W S11 BT.
 A pinyon, 8 ins. diam., brs. N.28½°W.,
 74 lks. dist., marked T33N R8W S2 BT.
 Land; level and broken.
 Soil; rocky, 4th rate.
 Timber; cedar, and pinyon.
 Undergrowth; sagebrush.

40.00 S.89°59'E. on a random line, bet. secs. 1 and 12.
 Set temp. ¼ sec. cor.
 80.00 Fall 4 lks. S. of the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of Tp., which is an iron post, hereinbefore described.

Thence
 S.89°59'W. on a true line, bet. secs. 1 and 12.
 Over level land, through scattering undergrowth.
 35.00 Enter timber, brs. NW. and SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

¼ S 1
 ———
 ¼ S12
 1917

From which
 A cedar, 12 ins. diam., brs. N.25½°W.,
 lks. dist., marked ¼S1 BT.
 A cedar, 6 ins. diam., brs. S.28½°W.,
 lks. dist., marked ¼S12 BT.

80.00 The cor. of secs. 1, 2, 11 and 12.
 Land; level.
 Soil; gravelly; 3rd rate.
 Timber; cedar.
 Undergrowth; sagebrush.

40.00 N.0°1'W. on a random line, bet. secs. 1 and 2.
 Set temp. ¼ sec. cor.
 80.05 Fall 8 lks. W. of the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of Tp., which is an iron post, hereinbefore described.

Thence
 S.0°2'W. on a true line, bet. secs. 1 and 2.
 Over mountainous land, through scattering undergrowth.
 Desc. 150 ft., over SE. slope.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

- 14.05 Wash, course NE. Thence over gradual E. slope.
- 31.00 Spur, slopes E. Desc. 95 ft., over S. slope.
- 40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S 2 | S 1
1917

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

- Thence over level land.
- 60.00 Leave timber, brs. NE. and SW.
- 80.05 The cor. of secs. 1, 2, 11 and 12.
Land; mountainous and level.
Soil; rocky; 4th rate.
Timber; cedar, and pinyon.
Undergrowth; sagebrush.

From the standard cor. of secs. 34 and 35, on the S. bdy. of Tp. --8th Standard Parallel North--which is an iron post, described in Book "J", N.0°1'W. bet. secs. 34 and 35. Over mountainous land, through scattering undergrowth.

- Asc. 835 ft., over SW. slope.
- 4.95 Wash, course SW. Continue ascent.
- 9.95 Cliff, 40 ft., high, brs. NW. and SE. Enter timber, brs. NE. and SW. Continue ascent.
- 27.95 Ridge, brs. NW. and SE. Desc. 420 ft., over N. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S34 | S35
1917

From which

- A pinyon, 14 ins. diam., brs. S.22°E., 154 lks. dist., marked $\frac{1}{4}$ S35 BT.
- A pinyon, 30 ins. diam., brs. West 7 lks. dist., marked $\frac{1}{4}$ S34 BT.

- Desc. 80 ft., over NE. slope.
- 43.95 Wash, course E. Asc. 30 ft.
- 54.95 Thence along E. slope.
- 61:75 Desc. 145 ft., over NE. slope.
- 69.95 Asc. 65 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked on brass cap

T33N R8W
S27 | S26
S34 | S35
1917

From which

- A pinyon, 10 ins. diam., brs. N.52 $\frac{1}{2}$ °E., 119 lks. dist., marked T33N R8W S26 BT.
- A pinyon, 10 ins. diam., brs. S.82 $\frac{3}{4}$ °E., 72 lks. dist., marked T33N R8W S35 BT.
- A pinyon, 12 ins. diam., brs. S.21 $\frac{1}{4}$ °W., 330 lks. dist., marked T33N R8W S34 BT.
- A pinyon, 8 ins. diam., brs. N.62 $\frac{1}{2}$ °W., 46 lks. dist., marked T33N R8W S27 BT.

Land; mountainous.
Soil; rocky, 4th rate.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

Timber; pinyon.
Undergrowth; sagebrush.

40.00 East on a random line, bet. secs. 26 and 35.
Set temp. $\frac{1}{4}$ sec. cor.
80.14 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
25, 26, 35 and 36.
Thence
N. $89^{\circ}59'$ W. on a true line, bet. secs. 26 and 35.
Over level land, through dense undergrowth.
3.50 Wash, course SE.
19.50 Wash, course S. Thence along S. slope.
29.70 Wash, course SE. Asc. 95 ft., over NE. slope.
40.07 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \frac{1}{4} S26 \\ \frac{1}{4} S35 \\ \hline 1917 \end{array}$$

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of
cor.
69.00 Continue ascent, 515 ft., over SE. slope.
Spur, slopes S. Desc. 65 ft.
72.70 Draw, course S. Asc. 150 ft., over E. slope.
77.00 Thence over SE. slope.
80.14 The cor. of secs. 26, 27, 34 and 35.
Land; level and mountainous.
Soil; rocky; 4th rate.
Timber; none.
Undergrowth; sagebrush.

N. $0^{\circ}1'$ W. bet. secs. 26 and 27.
Over mountainous land, through scattering timber and
undergrowth.
Asc. 45 ft.
4.00 Spur, slopes SE. Desc. 75 ft.
9.70 Draw, course SE. Asc. 150 ft.
30.50 Spur, slopes SE. Desc. 140 ft., over NE. slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \frac{1}{4} \\ S27 \quad | \quad S26 \\ \hline 1917 \end{array}$$

From which

A pinyon, 8 ins. diam., brs. S. 12° E.,
45 lks. dist., marked $\frac{1}{4}$ S26 BT.
A cedar, 12 ins. diam., brs. S. 75° W.,
48 lks. dist., marked $\frac{1}{4}$ S27 BT.

Continue descent, 40 ft.
45.00 Thence along E. slope.
55.00 Desc. 45 ft.
60.00 Asc. 55 ft.
65.00 Spur, slopes NE. Desc. 95 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 22, 23, 26 and 27, marked on
brass cap

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

T33N R8W
S22 S23
S27 S26
1917

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land; mountainous.
Soil; rocky, 4th rate; lava flow.
Timber; pinyon, and cedar.
Undergrowth; sagebrush.

40.00 S. 89°59'E. on a random line, bet. secs. 23 and 26.
Set temp. ¼ sec. cor.
79.98 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 23, 24, 25 and 26.
Thence
S. 89°59'W. on a true line, bet. secs. 23 and 26.
Over broken land, through scattering undergrowth.
Desc. 15 ft.
15.00 Asc. 35 ft.
19.15 Desc. 45 ft., over SW. slope.
25.00 Draw, course SE. Asc. 105 ft., over E. slope.
39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

¼ S23
¼ S26
1917

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

54.00 Continue ascent, 115 ft.
Enter scattering timber brs. NE. and SW. Continue over level land.
75.00 Asc. 30 ft.
79.98 The cor. of secs. 22, 23, 26 and 27.
Land; broken and level.
Soil; rocky, 4th rate.
Timber; cedar.
Undergrowth; sagebrush.

N. 0°1'W. bet. secs. 22 and 23.
Over broken lava land, through scattering timber and undergrowth.
Asc. 40 ft.
2.70 Thence over level land.
8.50 Desc. 20 ft.
10.00 Wash, course NE. Asc.
20.00 Desc. 55 ft.
24.50 Wash, course NE. Asc. 160 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, 30 ins in a mound of stone, for ¼ sec. cor., marked on brass cap

¼
S22 S23
1917

From which

A pinyon, 10 ins. diam., brs. N. 67°E.,
215 lks. dist., marked ¼ S23 BT.
Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

- 48.00 Continue over broken E. slope.
- Desc. 65 ft.
- 54.50 Wash, course E. Asc. 130 ft.
- 59.70 Desc. 35 ft.
- 65.00 Draw, course E. Asc 55 ft.
- 69.60 Desc. 35 ft.
- 80.00 Set an iron post, 3 ft. long. 2 ins. diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked on brass cap

T33N R8W
S15 | S14

S22 | S23
1917

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land; broken.
Soil; rocky, 4th rate; lava flow.
Timber; cedar, and pinyon.
Undergrowth; sagebrush.

- 40.00 N. 89°59'E. on a random line, bet. secs. 14 and 23.
- Set temp. ¼ sec. cor.
- 79.82 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 13, 14, 23 and 24.
- Thence
- S. 89°56'W. on a true line, bet. secs. 14 and 23.
- Over rolling land, through scattering timber and undergrowth.
- Asc. 95 ft., over gradual E. slope.
- 39.91 Set an iron post, 3 ft. long 1 in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

¼ S14

¼ S23
1917

From which
A cedar, 14 ins. diam., brs. N. 18°W.,
362 lks. dist., marked ¼ S14 BT.
A pinyon, 6 ins diam., brs. S. 41¼°E.,
89 lks. dist., marked ¼ S23 BT.

- Continue ascent, 260 ft., over mountainous land.
- 64.80 Desc.
- 67.25 Draw, course SE. Asc. 135 ft.
- 79.82 The cor. of secs. 14, 15, 22 and 23.
- Land; rolling and mountainous.
- Soil; rocky, 4th rate.
- Timber; cedar, and pinyon.
- Undergrowth; sagebrush.

- N. 0°1'W. bet. secs. 14 and 15.
- Over broken land, through scattering timber and undergrowth.
- Along E. slope.
- 14.50 Draw, course SE. Asc. 70 ft.
- 16.80 Desc. gradually.
- 25.00 Asc. gradual slope, 85 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

¼
S15 | S14
|
1917

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

From which
 A pinyon, 5 ins diam., brs. N.12°E.,
 77 lks. dist., marked $\frac{1}{2}$ S14 BT.
 A pinyon, 12 ins. diam., brs. N.33°W.,
 88 lks. dist., marked $\frac{1}{4}$ S15 BT.
 Continue ascent, 50 ft.
 47.50 Desc. 95 ft.
 61.10 Wash, course NE. Asc. 30 ft.
 65.00 Desc. 80 ft.
 69.50 Draw course NE. Asc. 20 ft.
 70.85 Desc. 20 ft.
 72.00 Draw, course E. Asc. 25 ft.
 77.60 Desc. 10 ft.
 80.00 Set an iron post, 3 ft. long 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 10, 11, 14 and 15, marked on
 brass cap

T33N R8W
 S10 | S11

 S15 | S14
 1917

From which
 A pinyon, 6 ins. diam., brs. N.49°E.,
 86 lks. dist., marked T33N R8W S11 BT.
 A pinyon, 5 ins. diam., brs. S.24½°E.,
 31 lks. dist., marked T33N R8W S14 BT.
 A pinyon, 8 ins. diam., brs. S.46°W.,
 118 lks. dist., marked T33N R8W S15 BT.
 A pinyon, 4 ins diam., brs. N.14¼°W.,
 51 lks. dist., marked T33N R8W S10 BT.
 Land; broken.
 Soil; rocky; 4th rate.
 Timber; pinyon, cedar.
 Undergrowth; sagebrush, scrub oak, and dogwood.

N.89°56'E. on a random line, bet. secs. 11 and 14.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.80 Intersect the cor. of secs. 11, 12, 13 and 14.
 Thence
 S.89°56'W. on a true line, bet. secs. 11 and 14.
 Over mountainous land, through scattering timber and
 undergrowth.
 Asc. 65 ft.,
 22.10 Wash, course NE. Continue ascent, 130 ft.
 39.90 Set an iron post, 3 ft. long, 1 in diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S11

 $\frac{1}{4}$ S14
 1917

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of
 cor.
 Continue ascent, 460 ft.
 55.80 Wash, course S.80°E. Continue ascent.
 79.80 The cor. of secs. 10, 11, 14 and 15.
 Land; mountainous.
 Soil; rocky, 4th rate.
 Timber; cedar, and pinyon.
 Undergrowth; sagebrush.

N.0°1'W. bet. secs. 10 and 11.
 Over mountainous land, through scattering timber and
 undergrowth.
 Desc.
 4.00 Wash, course E. Asc. 185 ft., over SE. slope.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

15.00 Spur, slopes E. Desc. 75 ft., over NE. slope.
20.00 Draw, course E. Asc. 100 ft., over SE. slope.
40 00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{c} \frac{1}{4} \\ \hline S10 \mid S11 \\ \hline 1917 \end{array}$$

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

43.00 Desc. 50 ft., over NE. slope.
80.00 Draw, course E. Asc. 365 ft., over SE. slope.
Set an iron post, 3 ft. long, 2 ins diam., 24 ins. in the
ground, for cor. of secs. 2, 3, 10 and 11, marked on
brass cap

$$\begin{array}{c} T33N \ R8W \\ S \ 3 \ S \ 2 \\ \hline S10 \ S11 \\ \hline 1917 \end{array}$$

From which

A pinyon, 8 ins. diam., brs. N.40 $\frac{1}{2}$ °E.,
175 lks. dist., marked T33N R8W S2 BT.
A pinyon, 12 ins. diam., brs. S.83°E.,
270 lks. dist., marked T33N R8W S11 BT.
A pinyon, 10 ins. diam., brs S.14°W.,
32 lks. dist., marked T33N R8W S10 BT.
A pinyon, 16 ins. diam., brs. N.12°W.,
189 lks. dist., marked T33N R8W S3 BT.

Land; mountainous.
Soil; rocky, 4th rate.
Timber; cedar, and pinyon.
Undergrowth; sagebrush.

40.00 N.89°56'E. on a random line, bet. secs. 2 and 11.
79.86 Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 5 lks. N. of the cor. of secs.
1, 2, 11 and 12.

Thence

S.89°58'W. on a true line, bet. secs. 2 and 11.
Over rolling land, through scattering timber and under-
growth.
39.93 Asc. over gradual E. slope, 105 ft.
Set an iron post, 3 ft long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{c} \frac{1}{4} \ S \ 2 \\ \hline S11 \\ \hline 1917 \end{array}$$

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

67.00 Continue ascent, 1250 ft., over E. slope.
79.86 Head of wash, course SE. Continue ascent.
The cor. of secs. 2, 3, 10 and 11.
Land; mountainous and rolling.
Soil; rocky, 4th rate.
Timber; cedar and pinyon.
Undergrowth; sagebrush.

40.00 N.0°2'E. on a random line, bet. secs. 2 and 3.
80.20 Set temp. $\frac{1}{4}$ sec. cor.
Fall 5 lks. E. of the cor. of secs. 2, 3, 34 and 35, on

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

the N. bdy. of Tp., which is an iron post, herein-
before described.

Thence

South on a true line, bet. secs. 2 and 3.

Over mountainous land, through scattering timber and
undergrowth.

Desc. 230 ft., over S. slope.

7.20 Wash, course SE. Continue descent.

12.20 Gulch, course E. Asc.

13.20 Desc. 95 ft.

20.35 Asc. 50 ft.

29.80 Desc. 10 ft.

30.40 Wash, course E. Thence along E. slope.

34.70 Draw, course NE. Asc. 40 ft.

40.20 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, and in a mound of stone, for $\frac{1}{4}$ sec. cor.,
marked on brass cap

$\frac{1}{4}$
S 3 S 2

1917

From which

A pinyon, 12 ins. diam., brs. N.30°E.,
13 lks. dist., marked $\frac{1}{4}$ S2 BT.

A cedar, 11 ins. diam., brs. S.60°W.,
11 lks. dist., marked $\frac{1}{4}$ S3 BT.

Desc. 30 ft.

41.00 Draw, course NE. Asc. 270 ft., over NW. slope.

58.20 Spur, slopes NE. Desc. 55 ft.

65.20 Asc. 80 ft.

69.20 Thence along broken E. slope.

78.40 Desc. 35 ft.

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

Land; mountainous.

Soil; rocky; 4th rate.

Timber; cedar, and pinyon.

Undergrowth; sagebrush.

From the standard cor. of secs. 33 and 34, on the S. bdy.
of Tp--8th Standard Parallel North--which is an iron
post, described in Book "J",

N.0°2'W. bet. secs. 33 and 34.

Over mountainous land, through scattering timber and
undergrowth.

Asc. 930 ft., over S. slope.

18.00 Continue steep ascent of mountain, brs. E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S33 S34

1917

From which

A pine, 10 ins. diam., brs. N.43 $\frac{1}{2}$ °E.,
24 lks. dist., marked $\frac{1}{4}$ S34 BT.

A pine, 10 ins. diam., brs. N.13°W.,
106 lks. dist., marked $\frac{1}{4}$ S33 BT.

Continue ascent, 195 ft.

45.00 Ridge, brs. E. and W. Desc. 595 ft., over NE. slope.

63.50 Foot of mountain, brs. E. and W. Continue gradual descent.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 27, 28, 33 and 34, marked on
brass cap

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

T33N R8W
S28 S27
S33 S34
1917

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land; mountainous.

Soil; rocky, 4th rate; lava, lime, sandstone, and gypsum formations.

Timber; pine and cedar.

Undergrowth; sagebrush, service berry, and scrub cedar.

- 40.00 East on a random line, bet. secs. 27 and 34.
- Set temp. ¼ sec. cor.
- 80.28 Intersect the cor. of secs. 26, 27, 34 and 35.
- Thence
- West on a true line, bet. secs. 27 and 34.
- Over mountainous land, through scattering timber and undergrowth.
- Asc. 510 ft., over SE. slope.
- 31.80 Ridge, brs. N. and S. Desc. 275 ft., over W. slope.
- 40.14 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

¼ S27
¼ S34
1917

From which

A pine, 14 ins. diam., brs. N.24°W.,
183 lks. dist., marked ¼S27 BT.

A pine, 5 ins diam., brs. S.22°E.,
33 lks. dist., marked ¼S34 BT.

- Continue descent, 120 ft., over W. slope.
- 48.30 Thence along S. slope.
- 57.30 Asc. 40 ft., over NE. slope.
- 62.30 Spur, slopes N. Desc. 80 ft.
- 70.30 Thence over level land.
- 80.28 The cor. of secs. 27, 28, 33 and 34.
- Land; mountainous.
- Soil; rocky, 4th rate.
- Timber; pine and cedar.
- Undergrowth; sagebrush, scrub oak.

- N.0°2'W. bet. secs. 27 and 28.
- Over broken land, through scattering timber and undergrowth.
- Asc. 75 ft.
- 7.20 Desc. 20 ft.
- 15.00 Asc. 45 ft.
- 32.50 Thence over level land.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for ¼ sec. cor., marked on brass cap

¼ S28 S27
1917

From which

A pinyon, 8 ins. diam., brs. S.87¾°E.,
77 lks. dist., marked ¼S27 BT.

A pinyon, 8 ins. diam., brs. N.56¾°W.,
97 lks. dist., marked ¼S28 BT.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground, in a mound of stone, for cor. of secs. 21, 22, 27 and 28, marked on brass cap

T33N R8W
S21 | S22

S28 | S27
1917

From which

- A cedar, 5 ins. diam., brs. N.71°E.,
21 lks. dist., marked T33N R8W S22 BT.
- A cedar, 6 ins. diam., brs. S.61¼°E.,
131 lks. dist., marked T33N R8W S27 BT.
- A pinyon, 12 ins diam., brs. S.40¼°W.,
209 lks. dist., marked T33N R8W S28 BT.
- A cedar, 6 ins. diam., brs. N.80¼°W.,
142 lks. dist., marked T33N R8W S21 BT.

Land; broken and level.
Soil; rocky, 2nd and 4th rates.
Timber; cedar.
Undergrowth; sagebrush.

40.00 East on a random line, bet. secs. 22 and 27.
Set temp. ¼ sec. cor.
80.20 Intersect N. and S. line, 14 lks. N. of the cor. of secs. 22, 23, 26 and 27.

Thence
N.89°54'W on a true line, bet. secs. 22 and 27.
Over broken land, through scattering timber and undergrowth.

Asc. 100 ft.,
13.20 Thence over level land.
30.20 Asc. 75 ft.
40.10 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

¼ S22

S27
1917

From which

- A pinyon, 10 ins. diam., brs. N.38¼°E.,
136 lks. dist., marked ¼S22 BT.
- A cedar, 12 ins. diam., brs. S.25°W.,
127 lks. dist., marked ¼S27 BT.

Asc. 35 ft.
45.00 Thence over level land.
80.20 The cor. of secs. 21, 22, 27 and 28.
Land; broken and level.
Soil; rocky, 2nd and 4th rates.
Timber; cedar, and pinyon.
Undergrowth; sagebrush.

N.0°2'W. bet. secs. 21 and 22.
Over level land, through scattering timber and undergrowth.
15.00 Asc. 470 ft., over S. slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, 16 ins. in a mound of stone, for ¼ sec. cor., marked on brass cap

¼
S21 | S22

1917

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

From which

A pinyon, 6 ins. diam., brs. N.23 $\frac{1}{2}$ °W.,
101 lks. dist., marked $\frac{1}{4}$ S21 BT.

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

Continue ascent, 280 ft.

51.50 Top of bench, brs. NE. and SW. Thence over level land.

58.70 Draw, course SE. Asc. 80 ft., over S. slope.

66.00 Thence over level land.

78.50 Asc. 20 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 15, 16, 21 and 22, marked on
brass cap

T33N R8W
S16 S15
S21 S22
1917

From which

A pinyon, 8 ins. diam., brs. N.71 $\frac{1}{2}$ °E.,
118 lks. dist., marked T33N R8W S15 BT.

A pinyon, 5 ins. diam., brs. S.28°E.,
20 lks. dist., marked T33N R8W S22 BT.

A pinyon, 7 ins. diam., brs. S.52°W.,
65 lks. dist., marked T33N R8W S21 BT.

A pinyon, 7 ins. diam., brs. N.56 $\frac{1}{2}$ °W.,
20 lks. dist., marked T33N R8W S16 BT.

Land; level and mountainous.

Soil; rocky, 3rd and 4th rate; lava cinders and rock.

Timber; pinyon, and cedar.

Undergrowth; sagebrush, and scrub oak.

S.89°54'E. on a random line, bet. secs. 15 and 22.

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

80.12 Intersect N. and S. line, 7 lks. S. of the cor. of secs.
14, 15, 22 and 23.

Thence

N.89°57'W. on a true line, bet. secs. 15 and 22.

Over mountainous land, through scattering timber and
undergrowth.

Asc. 1040 ft., over E. slope.

40.06 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S15
S22
1917

From which

A pinyon, 14 ins. diam., brs. North
17 lks. dist., marked $\frac{1}{4}$ S15 BT.

A pinyon, 16 ins. diam., brs. S.27 $\frac{1}{2}$ °E.,
56 lks. dist., marked $\frac{1}{4}$ S22 BT.

Continue ascent, 20 ft.

41.60 Thence over N. slope.

45.10 From this point, top of ridge, bearing E. and SW., brs.
S. 1 ch. dist.

52.85 Desc. 165 ft., over W. slope.

66.60 Thence over level land.

77.10 Asc. 20 ft.

80.12 The cor. of secs. 15, 16, 21 and 22.

Land; mountainous and level.

Soil; rocky, 3rd and 4th rates; lava cinders.

Timber; cedar, and pinyon.

Undergrowth; scrub oak, manzanita, and sagebrush.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

- N.0°2'W. bet. secs. 15 and 16.
- Over mountainous land, through heavy timber and dense undergrowth.
- Asc. 70 ft.
- 16.95 Desc.
- 19.70 Wash, course SE. Asc. 455 ft., over SW. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
 S16 | S15
 1917

From which

- A pinyon, 8 ins. diam., brs. S.78°E.,
30 lks. dist., marked $\frac{1}{4}$ S15 BT.
- A pinyon, ___ ins. diam., brs. N.58°W.,
24 lks. dist., marked $\frac{1}{4}$ S16 BT.
- Cor. falls on W. side of round hill. Continue ascent, 15 ft.
- 45.00 Desc. 190 ft., over NW. slope.
- 59.65 Thence over broken bench land.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked on brass cap

T33N R8W
 S 9 | S10
 S16 | S15
 1917

From which

- A pinyon, 8 ins diam., brs. N.44°E.,
16 lks. dist., marked T33N R8W S10 BT.
- A pinyon, 6 ins. diam., brs. S.59°E.,
74 lks. dist., marked T33N R8W S15 BT.
- A pinyon, 5 ins diam., brs. S.22°W.,
40 lks. dist., marked T33N R8W S16 BT.
- A pinyon, 14 ins. diam., brs. N.30°W.,
13 lks. dist., marked T33N R8W S9 BT.
- Land; mountainous and broken.
- Soil; rocky, 4th rate.
- Timber; pinyon, and cedar.
- Undergrowth; sagebrush.

- S.89°57'E. on a random line, bet. secs. 10 and 15.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line, 23 lks. S. of the cor. of secs. 10, 11, 14 and 15.
- Thence
- S.89°53'W. on a true line, bet. secs. 10 and 15.
- Over mountainous land, through heavy timber and dense undergrowth.
- Asc. 675 ft., over SE. slope.
- 21.00 Enter gulch, course SE., from W. Asc. in gulch.
- 30.00 Leave gulch, course E., from NW. Continue ascent
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S10
 S15
 1917

From which

- A pinyon, 12 ins. diam., brs. N.10°E.,
26 lks. dist., marked $\frac{1}{4}$ S10 BT.
- A pinyon, 5 ins. diam., brs. S.29°E.,
59 lks. dist., marked $\frac{1}{4}$ S15 BT.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

56.40 Continue ascent, 525 ft.
80.00 Draw, course NE. Continue ascent.
The cor. of secs. 9, 10, 15 and 16.
Land; mountainous.
Soil; rocky, 4th rate; lava cinders.
Timber; pinyon, and cedar.
Undergrowth; white oak, scrub oak, and manzanita.

N.0°2'W. bet. secs. 9 and 10.
Over mountainous land, through heavy timber and dense undergrowth.

22.70 Desc. 65 ft.
40.00 Draw, course SE. Asc. 75 ft.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

S 9 $\frac{1}{4}$ S10
1917

From which
A pinyon, 6 ins diam., brs. S.83 $\frac{1}{2}$ °E.,
12 lks. dist., marked $\frac{1}{4}$ S10 BT.
A pinyon, 9 ins. diam., brs. N.24°W.,
106 lks. dist., marked $\frac{1}{2}$ S9 BT.

45.00 Desc. 125 ft., over N. slope.
56.85 Draw, course E. Asc. 135 ft., along E. slope.
59.30 Desc. 30 ft.
61.45 Asc. 30 ft.
70.00 Thence along E. slope.
80.00 Desc. 65 ft.
Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, in a mound of stone, for cor. of secs. 3, 4, 9 and 10, marked on brass cap

T33N R8W
S 4 | S 3
S 9 | S10
1917

From which
A cedar, 5 ins. diam., brs. N.38 $\frac{3}{4}$ °E.,
95 lks. dist., marked T33N R8W S3 BT.
A cedar, 6 ins. diam., brs. S.16°E.,
108 lks. dist., marked T33N R8W S10 BT.
A cedar, 6 ins. diam., brs. N.55°W.,
57 lks. dist., marked T33N R8W S4 BT.

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Land; mountainous.
Soil; rocky, 4th rate; lava formation.
Timber; pinyon, and cedar.
Undergrowth; sagebrush, white oak, and scrub oak.

40.00 N.89°53'E. on a random line, bet. secs. 3 and 10.
80.24 Set temp. $\frac{1}{2}$ sec. cor.
Intersect N. and S. line, 9 lks. N. of the cor. of secs. 2, 3, 10 and 11.
Thence
S.89°57'W. on a true line, bet. secs. 3 and 10.
Over broken land, through heavy timber and dense undergrowth.
Desc. 45 ft.
10.25 Draw, course S. Asc. 100 ft., over SE. slope.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

- 17.95 Desc. 15 ft.
- 22.25 Draw, course SE. Asc. 25 ft.
- 25.00 Desc.
- 30.00 Asc. 60 ft., over E. slope.
- 40.12 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 3
S10
1917

From which

- A pinyon, 6 ins. diam., brs. N.51 $\frac{1}{2}$ °W.,
60 lks. dist., marked $\frac{1}{4}$ S3 BT.
- A cedar, 6 ins. diam., brs. S.44°E.,
37 lks. dist., marked $\frac{1}{4}$ S10 BT.
- Continue ascent, 395 ft., over E. slope.
- 80.24 The cor. of secs. 3, 4, 9 and 10.
Land; broken.
Soil; rocky, 4th rate; lava formation.
Timber; pinyon, and cedar.
Undergrowth; manzanita, sagebrush, and scrub oak.

- N.0°1'W. on a random line, bet. secs. 3 and 4.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.42 Fall 16 lks. W. of the cor. of secs. 3, 4, 33 and 34, on the N. bdy. of Tp., which is an iron post, hereinbefore described.
- Thence
S.0°6'W. on a true line, bet. secs. 3 and 4.
Over broken land, through heavy timber and dense undergrowth.
- Asc. 185 ft., over N. slope.
- 10.00 Leave yellow pine, brs. NE. and W. Continue over bench land.
- 25.40 Asc. 25 ft.
- 33.00 Desc. 20 ft.
- 35.40 Asc. 55 ft.
- 40.42 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S 4 | S 3
1917

From which

- A pinyon, 5 ins. diam., brs. N.25 $\frac{3}{4}$ °E.,
42 lks. dist., marked $\frac{1}{4}$ S3 BT.
- A yellow pine, 6 ins. diam., brs. N.22°W.,
30 lks. dist., marked $\frac{1}{4}$ S4 BT.
- Desc. 20 ft.
- 46.40 Draw, course E. Asc. 40 ft.
- 48.40 Desc. 130 ft., over SE. slope.
- 60.40 Asc. 20 ft.
- 65.90 Thence over level land.
- 73.70 Draw, course E. Asc. 70 ft., over NW. slope.
- 80.42 The cor. of secs. 3, 4, 9 and 10.
Land; broken.
Soil; rocky, 4th rate; lava formation.
Timber; pinyon, cedar, and yellow pine.
Undergrowth; scrub oak, manzanita, sagebrush, and white oak.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

From the standard cor. of secs. 32 and 33, on the S. bdy. of Tp--8th Std. Parallel North--which is an iron post, described in Book "J",
N.0°3'W. bet. secs. 32 and 33.
Over mountainous land, through scattering undergrowth.
Asc. 230 ft., over SW. slope.
7.60 Enter timber, brs. NE. and W. Thence along W. slope.
32.45 Draw, course SW. Leave scattering, enter heavy timber.
Asc. 260 ft., over S. slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S32 | S33
1917

From which

A cedar, 9 ins. diam., brs. N.50°E.,
59 lks. dist., marked $\frac{1}{4}$ S33 BT.
A pine, 6 ins. diam., brs. N.10°W.,
38 lks. dist., marked $\frac{1}{4}$ S32 BT.
Continue ascent, 190 ft., over S. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, in a mound of stone, for cor. of secs. 28, 29, 32 and 33, marked on brass cap

T33N R8W
S29 | S28
S32 | S33
1917

From which

A pinyon, 6 ins. diam., brs. N.27°E.,
49 lks. dist., marked T33N R8W S28 BT.
A pinyon, 6 ins. diam., brs. S.54 $\frac{1}{2}$ °E.,
13 lks. dist., marked T33N R8W S33 BT.
A pinyon, 8 ins. diam., brs. S.65 $\frac{3}{4}$ °W.,
74 lks. dist., marked T33N R8W S32 BT.
A pinyon, 8 ins. diam., brs. N.16°W.,
154 lks. dist., marked T33N R8W S29 BT.
Land; mountainous.
Soil; rocky; 4th rate; lava, limestone, and sandstone formations.
Timber; cedar, and pinyon.
Undergrowth; sagebrush, scrub oak, scrub cedar.

40.00 East on a random line, bet. secs. 28 and 33.
Set temp. $\frac{1}{4}$ sec. cor.
80.26 Intersect N. and S. line, 18 lks. S. of the cor. of secs. 27, 28, 33 and 34
Thence
S.89°52'W. on a true line, bet. secs. 28 and 33.
Over mountainous land, through heavy timber and dense undergrowth.
Asc. 365 ft., over NE. slope.
24.00 Spur, slopes N. Desc. 190 ft.
35.00 Foot of descent, brs. NE. and SW. Thence over level land.
40.13 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S28
S33
1917

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

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

- 50.00 Asc. 480 ft., over E. slope.
- 57.00 Enter timber, brs. N. and S.
- 70.00 Top of mountain, brs. N. and S. Thence over rolling top
- 80.26 The cor. of secs. 28, 29, 32 and 33.
Land; mountainous.
Soil; rocky, 3rd and 4th rates.
Timber; pine and cedar.
Undergrowth; sagebrush, service berry, and buck brush.

N.0°3'W. bet. secs. 28 and 29.
Over rolling land, through heavy timber and dense undergrowth.

- 20.00 Desc. 30 ft.
- 30.00 Continue over rolling land.
- 35.00 Desc. 30 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S29 | S28
1917

From which

- A pinyon, 12 ins. diam., brs. S.60 $\frac{1}{4}$ °E.,
40 lks. dist., marked $\frac{1}{4}$ S28 BT.
- A pinyon, 10 ins. diam., brs. N.49°W.,
46 lks. dist., marked $\frac{1}{4}$ S29 BT.

Continue over rolling land.

- 45.00 Asc. 120 ft., over SE. slope.
- 57.30 Desc. 25 ft., over N. slope.
- 65.00 Asc. 165 ft., over S. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 20, 21, 28 and 29. marked on brass cap

T33N R8W
S20 | S21

S29 | S28
1917

From which

- A pinyon, 12 ins. diam., brs; N.45 $\frac{1}{2}$ °E.,
68 lks. dist., marked T33N R8W S21 BT.
- A pinyon, 5 ins. diam., brs. S.21 $\frac{1}{2}$ °E.,
83 lks. dist., marked T33N R8W S28 BT.
- A pinyon, 6 ins. diam., brs. S.41°W.,
57 lks. dist., marked T33N R8W S29 BT.
- A pinyon, 5 ins. diam., brs. N.17°W.,
29 lks. dist., marked T33N R8W S20 BT.

Land; rolling and mountainous
Soil; rocky; 4th rate.
Timber; pinyon, and cedar.
Undergrowth; sagebrush.

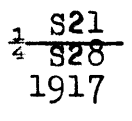
N.89°52'E. on a random line, bet. secs. 21 and 28.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.24 Intersect N. and S. line 12 lks. N. of the cor. of secs. 21, 22, 27 and 28.
Thence
S.89°57'W. on a true line, bet. secs. 21 and 28.
Over rolling land, through scattering timber and undergrowth.
Asc. over gradual SE. slope.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

30.25 Asc. 125 ft., over mountainous land.
40.12 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



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

73.25 Continue ascent, 595 ft., over SE. slope.
Desc.

77.25 Draw, course SE. Asc. 70 ft.

80.24 The cor. of secs. 20, 21, 28 and 29.

Land; rolling, and mountainous.
Soil; rocky, 3rd and 4th rates; lava cinders.
Timber; cedar, and pinyon.
Undergrowth; scrub oak, manzanita, and sagebrush.

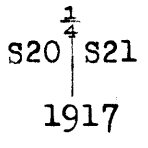
N.0°3'W. bet. secs. 20 and 21.
Over level land, through heavy timber and dense undergrowth.

4.00 Wash, course SE.

12.50 Asc. 255 ft., over SW. slope.

25.00 Thence over level land.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap



From which

A pinyon, 6 ins. diam., brs. S.54 $\frac{1}{2}$ °E.,
92 lks. dist., marked $\frac{1}{4}$ S21 BT.

A pinyon, 5 ins. diam., brs. S.61°W.,
153 lks. dist., marked $\frac{1}{4}$ S20 BT.

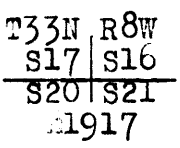
Desc. 30 ft.

50.00 Wash, course SE. Asc. 90 ft.

65.00 Desc. 50 ft.

70.00 Asc. 60 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked on brass cap



From which

A pinyon, 6 ins. diam., brs. N.23 $\frac{1}{2}$ °E.,
51 lks. dist., marked T33N R8W S16 BT.

A pinyon, 6 ins. diam., brs. S.74 $\frac{3}{4}$ °E.,
130 lks. dist., marked T33N R8W S21 BT.

A pinyon, 7 ins. diam., brs. S.72°W.,
52 lks. dist., marked T33N R8W S20 BT.

A cedar, 16 ins. diam., brs. N.75 $\frac{1}{2}$ °W.,
134 lks. dist., marked T33N R8W S17 BT.

Land; level and broken.
Soil; rocky, 4th rate.
Timber; cedar, and pinyon.
Undergrowth; sagebrush.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

- N. 89° 57' E. on a random line, bet. secs. 16 and 21.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.40 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 15, 16, 21 and 22.
- Thence
- West on a true line, bet. secs. 16 and 21.
- Over rolling and broken land, through scattering timber and undergrowth.
- Asc. 200 ft.
- 40.20 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \frac{1}{4} \text{ S16} \\ \frac{1}{4} \text{ S21} \\ \hline 1917 \end{array}$$

From which

- A pinyon, 7 ins. diam., brs. N. 32° W., 192 lks. dist., marked $\frac{1}{4}$ S16 BT.
- A pinyon, 6 ins. diam., brs. S. 62 $\frac{1}{2}$ ° W., 120 lks. dist., marked $\frac{1}{4}$ S21 BT.
- Continue ascent, 295 ft., over SE. slope.
- 59.40 Wash, course SE. Continue ascent.
- 70.50 Wash, course SE. Continue ascent.
- 78.90 Desc. 10 ft.
- 80.40 The cor. of secs. 16, 17, 20 and 21.
- Land; rolling and broken.
- Soil; rocky, 4th rate.
- Timber; cedar, and pinyon.
- Undergrowth; sagebrush.

- N. 0° 3' W. bet. secs. 16 and 17.
- Over rolling and broken land, through scattering timber and dense undergrowth.
- Asc. 175 ft., over SW. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \frac{1}{4} \\ \text{S17} \text{ S16} \\ \hline 1917 \end{array}$$

From which

- A pinyon, 7 ins. diam., brs. N. 60 $\frac{1}{2}$ ° E., 60 lks. dist., marked $\frac{1}{4}$ S16 BT.
- A pinyon, 6 ins. diam., brs. N. 61° W., 43 lks. dist., marked $\frac{1}{4}$ S17 BT.
- Continue ascent, 185 ft., over E. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked on brass cap

$$\begin{array}{r} \text{T33N R8W} \\ \text{S 8 S 9} \\ \hline \text{S17 S16} \\ 1917 \end{array}$$

From which

- A yellow pine, 26 ins. diam., brs. N. 59 $\frac{3}{4}$ ° E., 55 lks. dist., marked T33N R8W S9 BT.
- A yellow pine, 24 ins. diam., brs. S. 30 $\frac{1}{4}$ ° E., 58 lks. dist., marked T33N R8W S16 BT.
- A white oak, 5 ins. diam., brs. S. 27 $\frac{1}{4}$ ° W., 81 lks. dist., marked T33N R8W S17 BT.
- A cedar, 12 ins. diam., brs. N. 20° W., 52 lks. dist., marked T33N R8W S8 BT.
- Land; rolling and broken.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

Soil; rocky; 4th rate.
Timber; yellow pine, white oak, and cedar.
Undergrowth; manzanita, and sagebrush.

- 40.00 East on a random line, bet. secs. 9 and 16.
Set temp. $\frac{1}{4}$ sec. cor.
80.24 Intersect N. and S. line, 3 lks. N. of the cor. of secs.
9, 10, 15 and 16.
Thence
N. $89^{\circ}59'$ W. on a true line, bet. secs. 9 and 16.
Over broken and mountainous land, through scattering
timber and dense undergrowth.
Asc. 310 ft., over E. slope.
40.12 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \frac{1}{4} \text{ S } 9 \\ \hline \frac{1}{4} \text{ S } 16 \\ \hline 1917 \end{array}$$

From which

- A pinyon, 9 ins. diam., brs. N. $27\frac{1}{2}^{\circ}$ W.,
100 lks. dist., marked $\frac{1}{4}$ S 9 BT.
A pinyon, 8 ins. diam., brs. S. $67\frac{1}{2}^{\circ}$ E.,
120 lks. dist., marked $\frac{1}{4}$ S 16 BT.
Continue ascent, 425 ft., over E. slope.
55.25 Desc. 160 ft.
65.25 Thence along S. slope.
70.00 Desc. 165 ft., over W. slope.
80.24 The cor. of secs. 8, 9, 16 and 17.
Land; broken and mountainous.
Soil; rocky, 4th rate; lava formation.
Timber; pinyon, and cedar.
Undergrowth; white oak, sagebrush, and manzanita.

- N. $0^{\circ}3'$ W. bet. secs. 8 and 9.
Over rolling land, through scattering timber and dense
undergrowth.
19.50 Desc. 65 ft.
30.00 Asc. 105 ft.
38.50 Desc. 10 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
brass cap

$$\begin{array}{r} \frac{1}{4} \\ \text{S } 8 \text{ | } \text{S } 9 \\ \hline 1917 \end{array}$$

- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
cor.
Asc. 10 ft.
41.00 Desc. 40 ft.
45.00 Asc. 65 ft.
55.00 Thence over level land.
76.50 Desc. 75 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 4, 5, 8 and 9, marked on
brass cap

$$\begin{array}{r} \text{T33N R8W} \\ \text{S } 5 \text{ | } \text{S } 4 \\ \hline \text{S } 8 \text{ | } \text{S } 9 \\ \hline 1917 \end{array}$$

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Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of
cor.
Land; rolling and level.
Soil; rocky; 4th rate; lava formation.
Timber; pinyon, cedar, and yellow pine.
Undergrowth; scrub oak, white oak, locust, and manzanita.

- 40.00 S. 89°59'E. on a random line, bet. secs. 4 and 9.
- Set temp. ¼ sec. cor.
- 80.12 Intersect N. and S. line, 16 lks. S. of the cor. of secs.
3, 4, 9 and 10.
- Thence
- S. 89°54'W. on a true line, bet. secs. 4 and 9.
- Over mountainous land, through scattering timber and
dense undergrowth.
- Asc. 25 ft.
- 5.10 Desc.
- 8.10 Draw, course NE. Asc. 325 ft.
- 36.90 Desc. 50 ft.
- 40.06 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the
ground, in a mound of stone, for ¼ sec. cor., marked on
brass cap

1/4 S 4
S 9
1917

From which

- A pinyon, 6 ins. diam., brs. N. 19°W.,
82 lks. dist., marked ¼ S4 BT.
- A pinyon, 10 ins. diam., brs. S. 13°W.,
85 lks. dist., marked ¼ S9 BT.
- Asc. 15 ft.
- 43.10 Thence over level land
- 60.10 Asc. 230 ft., over NE. slope.
- 80.12 The cor. of secs. 4, 5, 8 and 9.
- Land; mountainous.
- Soil; rocky; 4th rate.
- Timber; pinyon, and cedar.
- Undergrowth; sagebrush, white oak, and locust.

- 40.00 N. 0°5'E. on a random line, bet. secs. 4 and 5.
- Set temp. ¼ sec. cor.
- 80.46 Fall 21 lks. W. of the cor. of secs. 4, 5, 32 and 33, on
the E. bdy. of Tp., which is an iron post, hereinbe-
fore described.
- Thence
- S. 0°14'W. on a true line, bet. secs. 4 and 5.
- Over mountainous land, through heavy timber and dense
undergrowth.
- Asc. 450 ft., over N. slope.
- 38.45 Desc. 15 ft.
- 40.46 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the
ground, 6 ins. in a mound of stone, for ¼ sec. cor.,
marked on brass cap

1/4 S 5 S 4
1917

- Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of
cor.
- Desc. 65 ft.
- 75.45 Draw, course E. Asc. 155 ft.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.
80.46 The cor. of secs. 4, 5, 8 and 9.
Land; mountainous.
Soil; rocky, 4th rate.
Timber; yellow pine, pinyon, and cedar.
Undergrowth; sagebrush.

From the standard cor. of secs. 31 and 32, on the S. bdy.
of Tp--8th Standard Parallel North--which is an iron
post, described in Book "J",
N.0°3'W. bet. secs. 31 and 32.
Over rolling land, through heavy timber and dense under-
growth.

Asc. 90 ft., over general W. slope.
15.00 Desc. 20 ft.
22.00 Asc. 15 ft.
25.00 Desc. 50 ft.
38.00 Head of draw, course W. Asc. 30 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S31 | S32
1917

From which

A pinyon, 8 ins. diam., brs. N.47°E.,
6 lks. dist., marked $\frac{1}{4}$ S32 BT.
A pinyon, 5 ins. diam., brs. N.44°W.,
65 lks. dist., marked $\frac{1}{2}$ S31 BT.

Continue over rolling land.

49.00 Desc. 300 ft., over NW. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 29, 30, 31 and 32, marked on
brass cap

T33N R8W
S30 | S29
S31 | S32
1917

From which

A pinyon, 6 ins. diam., brs. N.73°E.,
41 lks. dist., marked T33N R8W S29 BT.
A pinyon, 10 ins. diam., brs. S.28 $\frac{1}{2}$ °E.,
79 lks. dist., marked T33N R8W S32 BT.
A pinyon, 8 ins. diam., brs. S.45 $\frac{1}{2}$ °W.,
101 lks. dist., marked T33N R8W S31 BT.
A pinyon, 6 ins. diam., brs. N.51°W.,
25 lks. dist., marked T33N R8W S30 BT.

Land; rolling and mountainous.

Soil; rocky, 4th rate.

Timber; pinyon, and cedar.

Undergrowth; sagebrush, and Spanish bayonet.

40.00 East on a random line, bet. secs. 29 and 32.
Set temp. $\frac{1}{4}$ sec. cor.
79.66 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
28, 29, 32 and 33.

Thence

S.89°59'W. on a true line, bet. secs. 29 and 32.

Over rolling land, through scattering timber and under-
growth.

Desc. 25 ft.
7.65 Thence along S. slope.
22.65 Desc. 25 ft.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

36.05 Wash, course S. Asc.
39.83 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S29
 $\frac{1}{4}$ S32
1917

From which

A pinyon, 5 ins. diam., brs. N.9°E.,
100 lks. dist., marked $\frac{1}{4}$ S29 BT.
A pinyon, 10 ins diam., brs. S.41°W.,
208 lks. dist., marked $\frac{1}{4}$ S32 BT.

Asc.

49.65 Desc. 40 ft.
54.65 Thence along S. slope.
59.65 Spur, slopes SW. Desc. 460 ft.
75.65 Draw, course NW. Asc.
78.25 Desc. 20 ft.
79.66 The cor. of secs. 29, 30, 31 and 32.
Land; rolling and mountainous.
Soil; rocky, lava formation; 4th rate.
Timber; pinyon, and cedar.
Undergrowth; sagebrush, scrub oak, and Spanish bayonet.

40.00 West on a random line, bet. secs. 30 and 31.
Set temp. $\frac{1}{4}$ sec. cor.
79.88 Fall 13 lks. S. of the cor. of secs. 25, 30, 31 and 36,
on the W. bdy. of Tp--2nd Guide Meridian West--which
is an iron post, described in Book "B".

Thence

S.89°54'E. on a true line, bet. secs. 30 and 31.
Over mountainous land, through scattering timber and
undergrowth.

Asc. 125 ft., over SW. slope.

4.90 Spur, slopes NW. Desc. 225 ft.
9.90 Leave scattering timber, brs. NW. and SE.
17.90 Along edge of cliffs, bearing E. and NW.
34.90 Thence along broken N. slope.
39.88 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S30
 $\frac{1}{4}$ S31
1917

From which

A pinyon, 10 ins. diam., brs. S.47°E.,
75 lks. dist., marked $\frac{1}{4}$ S31 BT.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of
cor.

Asc. 100 ft.

42.50 Desc. 95 ft.
46.20 Wash, course NW. Asc: 430 ft., over W. slope.
64.90 Leave timber, brs. NE. and SW.
79.88 The cor. of secs. 29, 30, 31 and 32.
Land: mountainous.
Soil; rocky; 4th rate.
Timber; pinyon, and cedar.
Undergrowth; sagebrush.

N.0°3'W. bet. secs. 29 and 30.
Over broken lava flow land, through scattering timber
and undergrowth.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

4.50 Desc.
Wash, course W. Asc. 260 ft.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
brass cap

$\frac{1}{4}$
S30 | S29
1917

From which

A pinyon, 12 ins. diam., brs. S.64 $\frac{1}{2}$ °E.,
93 lks. dist., marked $\frac{1}{4}$ S29 BT.
A cedar, 9 ins. diam., brs. S.77 $\frac{1}{2}$ °W.,
30 lks. dist., marked $\frac{1}{4}$ S30 BT.

80.00 Continue ascent, 315 ft., over S. slope.
Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the
ground, in a mound of stone, for cor. of secs. 19, 20,
29 and 30, marked on brass cap

T33N R8W
S19 | S20
S30 | S29
1917

From which

A cedar, 18 ins. diam., brs. N.28°E.,
44 lks. dist., marked T33N R8W S20 BT.
A pinyon, 6 ins. diam., brs. S.64°E.,
148 lks. dist., marked T33N R8W S29 BT.
A cedar, 8 ins. diam., brs. S.43°W.,
66 lks. dist., marked T33N R8W S30 BT.
A pinyon, 14 ins. diam., brs. N.37°W.,
68 lks. dist., marked T33N R8W S19 BT.

Land; rolling and mountainous.
Soil; rocky, 4th rate.
Timber; cedar, and pinyon.
Undergrowth; sagebrush.

40.00 N.89°59'E. on a random line, bet. secs. 20 and 29.
Set temp. $\frac{1}{4}$ sec. cor.
79.56 Intersect N. and S. line, 16 lks. N. of the cor. of secs.
20, 21, 28 and 29.

Thence
N.89°54'W. on a true line, bet. secs. 20 and 29.
Over mountainous land, through heavy timber and dense
undergrowth.

26.85 Asc. 120 ft.
Desc. 105 ft.
34.55 Asc. 35 ft.
39.78 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
on brass cap

$\frac{1}{4}$ S20

 S29
1917

From which

A pinyon, 14 ins. diam., brs. N.68 $\frac{1}{2}$ °W.,
42 lks. dist., marked $\frac{1}{4}$ S20 BT.
A pinyon, 6 ins. diam., brs. S.15 $\frac{3}{4}$ °E.,
76 lks. dist., marked $\frac{1}{4}$ S29 BT.

71.70 Desc. 40 ft.
44.55 Asc. 25 ft.,
52.55 Desc. 225 ft., over SE. slope.
79.56 The cor. of secs. 19, 20, 29 and 30.
Land; mountainous.
Soil; rocky, 4th rate.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

Timber; pinyon, and cedar.
Undergrowth; sagebrush.

N.89°54'W. on a random line, bet. secs. 19 and 30.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.66 Fall 2 lks. N. of the cor. of secs. 19, 24, 25 and 30,
on the W. bdy. of Tp.--2nd Guide Meridian West--which
is an iron post, described in Book "B".

Thence

S.89°55'E. on a true line, bet. secs. 19 and 30.
Over mountainous land, through scattering undergrowth.
Asc. 540 ft., over W. slope.
39.66 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in a
mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S19
 $\frac{1}{4}$ S30
1917

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

Continue ascent, 510 ft.
74.65 Enter timber, brs. NW. and S. Desc. 17 ft.
79.66 The cor. of secs. 19, 20, 29 and 30.
Land; mountainous.
Soil; rocky; 4th rate; lava flow.
Timber; cedar, and pinyon.
Undergrowth; sagebrush.

N.0°3'W. bet. secs. 19 and 20.
Over mountainous land, through heavy timber and scatter-
ing undergrowth.
Asc. 155 ft.
14.80 Desc. 30 ft.
24.75 Asc. 20 ft.
30.00 Thence along W. slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on
brass cap

$\frac{1}{4}$
S19 | S20
1917

From which

A pinyon, 10 ins. diam., brs. S.70 $\frac{1}{2}$ °E.,
37 lks. dist., marked $\frac{1}{4}$ S20 BT.
A pinyon, 12 ins. diam., brs. S.31°W.,
20 lks. dist., marked $\frac{1}{4}$ S19 BT.
Desc. 30 ft.
45.00 Thence along W. slope.
50.00 Asc. 65 ft.
66.45 Desc. 40 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the
ground, 14 ins. in a mound of stone, for cor. of secs.
17, 18, 19 and 20, marked on brass cap

T33N R8W
S18 | S17
S19 | S20
1917

From which

A pinyon, 10 ins. diam., brs. N.40°E.,
60 lks. dist., marked T33N R8W S17 BT.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

- A pinyon, 8 ins. diam., brs. S. $49\frac{1}{2}^{\circ}$ E.,
72 lks. dist., marked T33N R8W S20 BT.
A pinyon, 9 ins. diam., brs. S. $41\frac{1}{2}^{\circ}$ W.,
72 lks. dist., marked T33N R8W S19 BT.
A pinyon, 10 ins. diam., brs. N. $30\frac{1}{2}^{\circ}$ W.,
46 lks. dist., marked T33N R8W S18 BT.

Land; mountainous.

Soil; rocky, 4th rate; lava formation.

Timber; cedar, and pinyon.

Undergrowth; manzanita, and scrub oak.

- S. $89^{\circ}54'$ E. on a random line, bet. secs. 17 and 20.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.68 Intersect N. and S. line, 21 lks. S. of the cor. of secs.
16, 17, 20 and 21.
Thence
S. $89^{\circ}57'$ W. on a true line, bet. secs. 17 and 20.
Over mountainous land, through scattering undergrowth and
heavy timber.
Asc. 190 ft.
24.70 Saddle in ridge, brs. N. and S. Desc. 75 ft.
39.84 Set an iron post, 3 ft. long, 1 in. diam., on bed rock, in
a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\frac{1}{4} \frac{S17}{S20}$$

1917

From which

- A pinyon, 11 ins. diam., brs. N. $44\frac{1}{2}^{\circ}$ E.,
69 lks. dist., marked $\frac{1}{4}$ S17 BT.
A pinyon, 14 ins. diam., brs. South
18 lks. dist., marked $\frac{1}{4}$ S20 BT.
79.68 Continue descent, 595 ft., over W. slope.
The cor. of secs. 17, 18, 19 and 20.
Land; mountainous.
Soil; rocky, 4th rate.
Timber; pinyon, and cedar.
Undergrowth; sagebrush.

- N. $89^{\circ}55'$ W. on a random line, bet. secs. 18 and 19.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.46 Fall 16 lks. S. of the cor. of secs. 13, 18, 19 and 24,
on the W. bdy. of Tp--2nd Guide Meridian West--which
is an iron post, described in Book "B".
Thence
S. $89^{\circ}48'$ E. on a true line, bet. secs. 18 and 19.
Over broken land, through scattering timber and under-
growth.
Asc. 115 ft.
39.46 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\frac{1}{4} \frac{S18}{S19}$$

1917

From which

- A pinyon, 8 ins. diam., brs. N. 52° E.,
34 lks. dist., marked $\frac{1}{4}$ S18 BT.
A cedar, 6 ins. diam., brs. S. 39° W.,
33 lks. dist., marked $\frac{1}{4}$ S19 BT.
79.46 Continue ascent, 525 ft.
The cor. of secs. 17, 18, 19 and 20.
Land; broken and mountainous.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

Soil; rocky, 4th rate; lava formation.
Timber; pinyon, and cedar.
Undergrowth; sagebrush, and manzanita.

N.0°3'W. bet. secs. 17 and 18.
Over mountainous land, through heavy timber and dense
undergrowth.

- 6.70 Desc. 15 ft.
- 9.40 Asc. 25 ft.
- 12.85 Desc. 35 ft.
- 19.80 Asc. 30 ft.
- 24.65 Desc. 70 ft.
- 40.00 Asc. 90 ft.

Set an iron post, 3 ft. long, 1 in. diam., in a mound of
stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

S18 | S17
1917

From which

- A pinyon, 7 ins. diam., brs. S.26°E.,
70 lks. dist., marked $\frac{1}{4}$ S17 BT.
- A pinyon, 10 ins. diam., brs. S.41 $\frac{1}{2}$ °W.,
38 lks. dist., marked $\frac{1}{4}$ S18 BT.

- 45.00 Asc. 35 ft.
- 42.50 Desc. 10 ft.

Wash, course W. Asc. 285 ft., over SW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the
ground, in a mound of stone, for cor. of secs. 7, 8,
17 and 18, marked on brass cap

T33N R8W
S 7 | S 8
S18 | S17
1917

From which

- A pinyon, 6 ins diam., brs. N.40 $\frac{1}{2}$ °E.,
48 lks. dist., marked T33N R8W S8 BT.
- A pinyon, 10 ins. diam., brs. S.25 $\frac{3}{4}$ °E.,
66 lks. dist., marked T33N R8W S17 BT.
- A pinyon, 10 ins. diam., brs. S.30 $\frac{1}{2}$ °W.,
79 lks. dist., marked T33N R8W S18 BT.
- A pinyon, 7 ins. diam., brs. N.60°W.,
64 lks. dist., marked T33N R8W S7 BT.

Land; mountainous.
Soil; rocky, 4th rate; lava formation.
Timber; pinyon, and cedar.
Undergrowth; manzanita, and scrub oak.

40.00 N.89°57'E. on a random line, bet. secs. 8 and 17.
Set temp. $\frac{1}{4}$ sec. cor.
79.72 Intersect N. and S. line, 2 lks. S. of the cor. of secs.
8, 9, 16 and 17.

Thence
S.89°56'W. on a true line, bet. secs. 8 and 17.
Over mountainous land, through scattering timber and
dense undergrowth.

- 29.70 Asc. 320 ft., over NE. slope.
- 39.86 Spur, slopes NW. Desc. 170 ft.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

$$\frac{\frac{1}{4} \text{ S } 8}{\text{S } 17}$$

1917

From which

A pinyon, 11 ins. diam., brs. N.3°W.,

68 lks. dist., marked $\frac{1}{4}$ S8 BT.

A pinyon, 12 ins. diam., brs. S.17°E.,

162 lks. dist., marked $\frac{1}{4}$ S17 BT.

Continue descent, 675 ft., over W. slope.

79.72 The cor. of secs. 7, 8, 17 and 18.

Land; mountainous.

Soil; rocky, 4th rate; lava cinders.

Timber; yellow pine, and cedar.

Undergrowth; scrub oak, and line oak.

N.89°48'W. on a random line, bet. secs. 7 and 18.

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

79.35 Fall 7 lks. S. of the cor. of secs. 7, 12, 13 and 18, on the W. bdy. of Tp., --2nd Guide Meridian West--which is an iron post, described in Book "B".

Thence

S.89°45'E. on a true line, bet. secs. 7 and 18.

Over mountainous land, through scattering timber and undergrowth.

Desc. 245 ft., over SE. slope.

5.00 Enter heavy timber, brs. N. and S.

16.80 Wash, course S. Thence along S. slope.

19.00 Wash, course S.

20.00 Draw, course S. Asc. 300 ft.

39.35 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\frac{\frac{1}{4} \text{ S } 7}{\text{S } 18}$$

1917

From which

A pinyon, 6 ins. diam., brs. N.31 $\frac{1}{2}$ °W.,

97 lks. dist., marked $\frac{1}{4}$ S7 BT.

A pinyon, 10 ins. diam., brs. S.61 $\frac{1}{2}$ °W.,

36 lks. dist., marked $\frac{1}{4}$ S18 BT.

Continue ascent, 770 ft.

63.00 Spur, slopes S. Desc. 95 ft.

78.15 Wash, course SE. Asc.

79.35 The cor. of secs. 7, 8, 17 and 18.

Land; mountainous.

Soil; rocky, 4th rate.

Timber; pinyon, and cedar.

Undergrowth; sagebrush.

N.0°3'W. bet. secs. 7 and 8.

Over mountainous land, through heavy timber and dense undergrowth.

Asc. 440 ft., over SW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\text{S } 7 \frac{1}{4} \text{ S } 8$$

1917

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

From which

A yellow pine, _____ ins. diam., brs. N.66 $\frac{1}{4}$ °E.,
73 lks. dist., marked $\frac{1}{2}$ S8 BT.

A yellow pine, _____ ins. diam., brs. N.23 $\frac{1}{4}$ °W.,
86 lks. dist., marked $\frac{1}{2}$ S7 BT.

Continue ascent, 125 ft., over SW. slope.

55.00 Spur, slopes SW. Desc. 360 ft., over NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the
ground, in a mound of stone, for cor. of secs. 5, 6,
7 and 8, marked on brass cap

T33N R8W
S 6 | S 5
S 7 | S 8
1917

From which

A yellow pine, _____ ins. diam., brs. N.44 $\frac{1}{4}$ °E.,
60 lks. dist., marked T33N R8W S5 BT.

A yellow pine, _____ ins. diam., brs. S.30 $\frac{3}{4}$ °E.,
87 lks. dist., marked T33N R8W S8 BT.

A pinyon, _____ ins. diam., brs. S.32 $\frac{3}{4}$ °W.,
66 lks. dist., marked T33N R8W S7 BT.

A pinyon, _____ ins. diam., brs. N.25°W.,
36 lks. dist., marked T33N R8W S6 BT.

Land; mountainous.

Soil; rocky, 4th rate; lava formation.

Timber; pinyon, cedar, and yellow pine.

Undergrowth; scrub oak, white oak, and manzanita.

N.89°56'E. on a random line, bet. secs. 5 and 8.

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

79.62 Intersect N. and S. line, 16 lks. N. of the cor. of secs.
4, 5, 8 and 9.

Thence

N.89°57'W. on a true line, bet. secs. 5 and 8.

Over mountainous land, through scattering timber and dense
undergrowth.

Asc. 45 ft.

5.50 Desc. 20 ft.

10.00 Asc. 70 ft.

21.50 Desc. 60 ft.

34.60 Asc. 35 ft.

39.81 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in a
mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S 5
S 8
1917

From which

A yellow pine, 20 ins. diam., brs. North
55 lks. dist., marked $\frac{1}{2}$ S5 BT.

A yellow pine, 12 ins. diam., brs. S.44 $\frac{1}{2}$ °E.,
85 lks. dist., marked $\frac{1}{2}$ S8 BT.

Continue ascent, 165 ft.

57.45 Ridge, brs. N. and S. Desc. 705 ft., over NW. slope.

79.62 The cor. of secs. 5, 6, 7 and 8.

Land; mountainous.

Soil; rocky, 4th rate.

Timber; yellow pine, pinyon, and cedar.

Undergrowth; white oak and locust.

N.89°45'W. on a random line, bet. secs. 6 and 7.

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.18 Fall 42 lks. N. of the cor. of secs. 1, 6, 7 and 12, on the W. bdy. of T_{p.}--2nd Guide Meridian West--which is an iron post, described in Book "B".
Thence
N. $89^{\circ}57'$ E. on a true line, bet. secs. 6 and 7.
Over mountainous land, through heavy timber and scattering undergrowth.
Asc. 660 ft., over NW. slope.
15.00 Draw, course NW. Continue ascent, over NW. slope.
39.18 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \frac{1}{4} \text{ S } 6 \\ \frac{1}{4} \text{ S } 7 \\ \hline 1917 \end{array}$$

From which

A pinyon, 6 ins. diam., brs. N. 5° W.,
70 lks. dist., marked $\frac{1}{4}$ S 6 BT.
A pinyon, 6 ins. diam., brs. S. $11\frac{1}{2}^{\circ}$ E.,
37 lks. dist., marked $\frac{1}{4}$ S 7 BT.
Continue ascent, 185 ft.
54.20 Draw, course NW. Continue ascent, 390 ft., over NW. slope.
79.18 The cor. of secs. 5, 6, 7 and 8.
Land; mountainous.
Soil; rocky, 4th rate; lava formation.
Timber; yellow pine, pinyon, and cedar.
Undergrowth; manzanita, scrub oak, and white oak.

40.00 N. $0^{\circ}13'$ E. on a random line, bet. secs. 5 and 6.
80.37 Set temp. $\frac{1}{4}$ sec. cor.
Fall 33 lks. E. of the cor. of secs. 5, 6, 31 and 32, on the N. bdy. of T_{p.}, which is an iron post, hereinbefore described.
Thence
S. $0^{\circ}1'$ E. on a true line, bet. secs. 5 and 6.
Over mountainous land, through heavy timber and dense undergrowth.
Asc. 190 ft., over NW. slope.
6.35 Spur, slopes NW. Continue ascent, over NW. slope.
25.35 Desc. 15 ft.
30.85 Draw, course NW. Asc.
40.37 Set an iron post, 3 ft. long, 1 in. diam., on bed rock, 30 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap

$$\begin{array}{r} \frac{1}{4} \\ \text{S } 6 \text{ S } 5 \\ \hline 1917 \end{array}$$

From which

A pinyon, 14 ins. diam., brs. S. 53° E.,
50 lks. dist., marked $\frac{1}{4}$ S 5 BT.
A pinyon, 6 ins. diam., brs. N. 31° W., 3
30 lks. dist., marked $\frac{1}{4}$ S 6 BT.
Continue ascent, 270 ft., over NW. slope.
80.37 The cor. of secs. 5, 6, 7 and 8.
Land; mountainous.
Soil; rocky; 4th rate.
Timber; pinyon, yellow pine, and cedar.
Undergrowth; scrub oak, white oak, dogwood, and manzanita.

BOOK 1018

Survey of the
Subdivision of T. 33 N., R. 8 W.

Chains.

The continued satisfactory adjustment of the solar transits during the survey of this township is indicated from field tests as described in Books "I" and "G".

GENERAL DESCRIPTION.

This township consists of broken and mountainous land, except for the east range of secs., and a few scattering miles, which are level or rolling land. The entire township is covered with cedar, pinyon, and yellow pine timber, and sagebrush, manzanita, scrub oak, and white oak undergrowth. The soil is rocky, 4th rate texture; lava formation predominates.

There are no settlers, roads, or signs of mineral in the township, nor has any water been developed.

4-680

FIELD ASSISTANTS, to
William B. Kimmel, U.S. Surveyor and Dupree R. Averill, U.S. Transitman.

NAMES.	CAPACITY.
Clifton Hildebrand	First Chainman.
Rexford Perkins	First and Second Chainman.
Otto Draper	First Chainman.
William D. Davis	Second Chainman.
Edgar Biebe	Flagman.
Alma E. Flanigan	Cornerman
Joseph Hastings	Axman.

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BOOK 3618

CERTIFICATE OF UNITED STATES SURVEYOR.

I, William B. Kimmel, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 72, Arizona, bearing date of the 12th day of October, 1916, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivision lines of

TOWNSHIP 33 NORTH, RANGE 8 WEST.

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in and by diagram on page 1 hereof the foregoing field notes/as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 72, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Phoenix, Ariz., Dec. 18, 1923.

William B. Kimmel.
U. S. Surveyor.

~~APPROVAL~~

~~Office of the United States Surveyor General,~~

....., 191

The foregoing field notes of the survey of

executed by

under his special instructions dated, 191 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

.....
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in, has been correctly copied from the original notes on file in this office.

.....
U. S. Surveyor General.

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Dupree R. Averill, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 72, Arizona, bearing date of the 12th day of October, 1916, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the E. Bdy., N. Bdy. & Subdivision lines of

TOWNSHIP 33 NORTH, RANGE 8 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, and by diagram on page 1 hereof the foregoing field notes/as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 72, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Phoenix Arizona
January 3, 1924

Dupree R. Averill
U. S. Surveyor

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, May 15, 1924.

The foregoing field notes of the survey of the E. Bdy., N. Bdy., and Subdivision Lines of

TOWNSHIP 33 NORTH, RANGE 8 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by William B. Kimmel, U. S. Surveyor, & Dupree R. Averill, U. S. Transitman, under his special instructions dated Oct. 12, 1916, for Group 72, Arizona, 1916, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Charles M. Doulos
U. S. Surveyor General

I certify that the foregoing transcript of the field notes of the above-described surveys in has been correctly copied from the original notes in this office.

U. S. Surveyor General