

3098

Book "E"

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BOOK 3098

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# FIELD NOTES

OF THE SURVEY OF THE

NORTH BOUNDARY

SUBDIVISION LINES, and

MEANDERS OF HOWARD LAKE,

in

TOWNSHIP 25 NORTH, RANGE 2 EAST.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona,

EXECUTED BY

Thomas B. Matthews, U. S. Surveyor,

and

Deane J. Wolff, U. S. Transitman,

~~In the capacity of U. S. Surveyor~~, under instructions dated March 8, 1915,  
issued by the United States Surveyor General to govern surveys included in  
Group No. 55, which were approved by the Commissioner of the General Land  
Office, December 14, 1915.

Survey commenced June 12, 1916.

Survey completed June 17, 1916.

Executed under Assignment  
Instructions dated Apr. 13 & 22, 1916.

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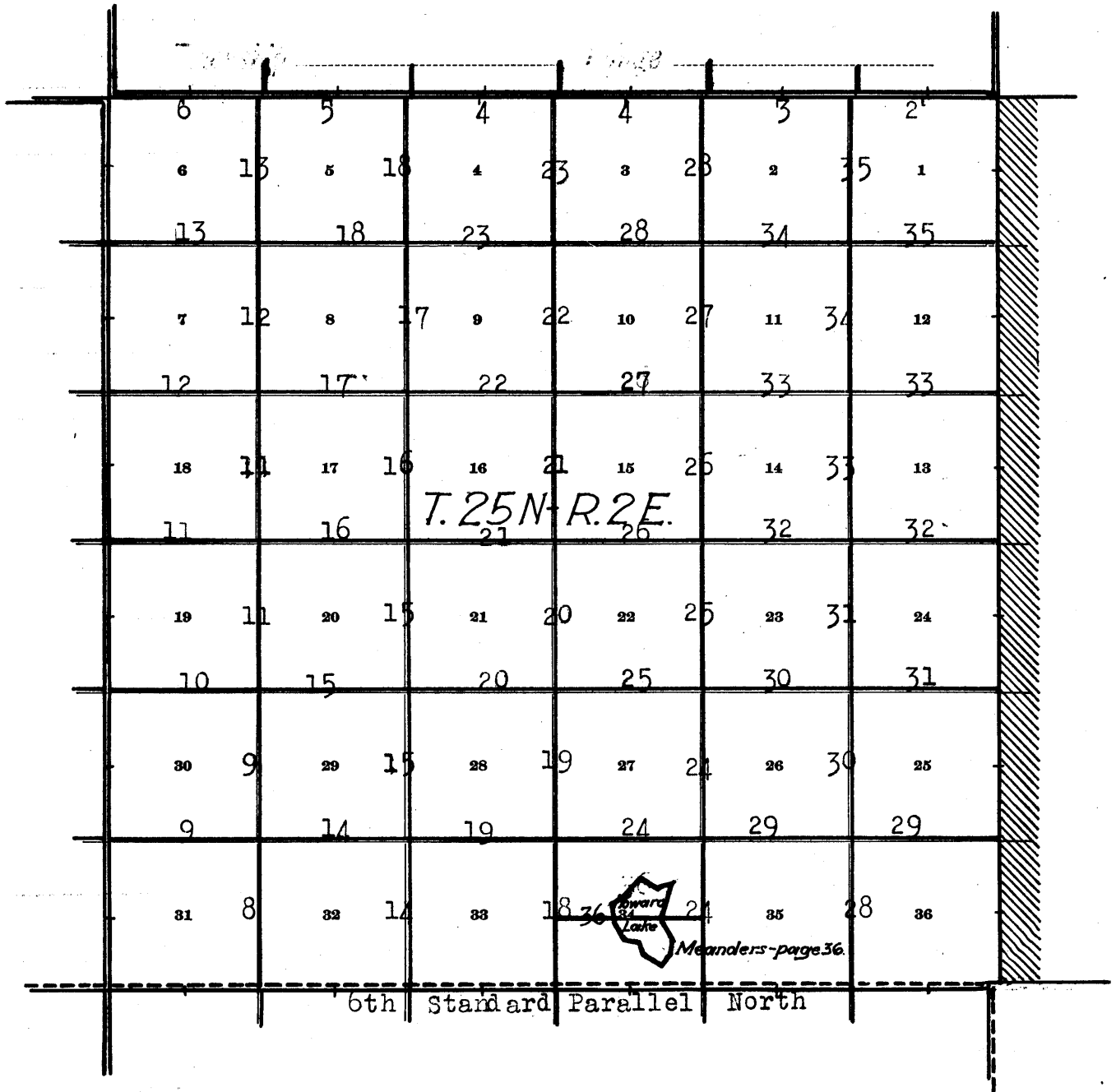
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Book "E"

Group 55 - - - Arizona.

BOOK 3098

### INDEX DIAGRAM.



-  Lines surveyed under this group.
-  Lines surveyed under current Group 54.
-  Lines surveyed under current group 52.
-  Lines resurveyed under current group 52.
-  Accepted surveys.
-  Areas surveyed as per accepted plats on file.

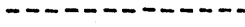
See Supplemental Notes page 41 for elimination of Meander Cors.

SURVEY OF THE

NORTH BOUNDARY,  
SUBDIVISION LINES, AND  
MEANDERS OF HOWARD LAKE

IN

TOWNSHIP 25 NORTH, RANGE 2 EAST,



Surveys hereinafter described, executed on dates shown on diagram on page 39 hereof, by Thomas B. Matthews, U. S. Surveyor, and Deane J. Wolff, U. S. Transitman, using Buff and Buff Transit No. 10124, and Young and Sons' light mountain transit No. 8535, respectively, described in Book "A."

2 Survey of North Boundary of T. 25 N., R. 2 E.

Chains.

Survey executed with Jeff and Jeff light mountain transit No. 10, 124, with chain and attachment. For description of instrument and certificate of approval, see Book 3098. For most recent adjustment, see hercin-

From the cor. of Ts. 25 and 26 N., Rs. 1 and 2 E., which is an iron post, properly set, marked and witnessed as described in the field notes of current Group No. 54.

East on a random line, setting temp. 1/4 sec. and sec. cors. for the areas S. of line, at intervals of 40.00 chs., and at 484.04 chs., intersect the W. bdy. of T. 25 N., R. 3 E., 1.01 chs. S. of original cor. of Ts. 25 and 26 N., Rs. 2 and 3 E., which is a limestone, 12 X 14 X 10 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General. The falling answers to a correction of 0° 7', or 17 lks. S. per mile, counting from the NE. cor. of the Tp.;

Thence S. 89° 53' W., on a true line, along the N. bdy. of sec. 1, T. 25 N., R. 2 E.

40.00 Over gently rolling land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 36, marked on brass cap,

1/4 S 36  
1916

And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

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

1/4 S 1  
1916

And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

58.00 Enter scattering timber.  
80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 35 and 36, T. 26 N., R. 2 E., marked on brass cap

T26N R2E  
S35 | S36  
S 1  
T25N R2E  
1916

From which  
A pinion, 9 ins. diam., brs. N. 51 1/2° E., 3 lks. dist., marked T26N R2E S36 BT.  
A pinion, 22 ins. diam., brs. N. 62° W., 138 lks. dist., marked T26N R2E S35 BT.

84.04 Set an iron post, 3 ft. long, 3 ins. diam., 18 ins. in the ground, in a mound of stone, for cor. of secs. 1 and 2, T. 25 N., R. 2 E., marked on brass cap

T26N R2E  
S35  
S 2 | S 1  
T25N | R2E  
1916

From which  
A pinion, 10 ins. diam., brs. S. 34° E., 61 lks. dist., marked T25N R2E S1 BT.  
A Cedar, 10 ins. diam., brs. S. 51 1/2° W., 118 lks. dist.,

Survey of North Boundary of T. 25 N., R. 2 E.

Chains.

marked T25N R2E S2 BT.  
 Land, gently rolling.  
 Soil, coarse texture, 24 ins. deep.  
 Timber, a few scattering cedar and pinion trees.  
 Undergrowth, sagebrush and holly brush, 1 to 4 ft. high,  
 and broom weed, 1 ft. high.

S.89° 53' W., on a true line, along the N. bdy. of sec. 2,  
 T. 25 N., R. 2 E.

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

- 19.00 Desc. 30 ft. to
- 20.00 Mouth of small canyon, course SW. Asc. 15 ft. to
- 21.50 Thence over gently rolling land.
- 27.20 Desc. 35 ft. to
- 31.25 Canyon, course NW. Asc. 40 ft. to
- 35.00 Thence over gently rolling land.
- 35.96 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor. of sec. 35, marked on brass cap,

$\frac{1}{4}$ S35  
 1916

And raise a mound of stone, 3 ft. base, 3 ft. high, N.  
 of cor.

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor. of sec. 2, marked on brass cap,

$\frac{1}{4}$ S2  
 1916

And raise a mound of stone, 3 ft. base, 3 ft. high, N.  
 of cor.

- 75.96 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 34 and 35, T. 26 N., R. 2 E.,  
 marked on brass cap

T26N | R2E  
S34 | S35  
 S 2  
 T25N R2E  
 1916

And raise a mound of stone, 3 ft. base, 3 ft. high, N.  
 of cor.

- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 2 and 3, T. 25 N., R. 2 E.,  
 marked on brass cap

T26N R2E  
S34  
S 3 | S 2  
 T25N R2E  
 1916

Dig pits, 24 X 24 X 12 ins., in each sec., 6 ft. dist.;  
 and raise a mound of earth, 4 ft. base, 2 ft. high,  
 S. of cor.

Land, rolling and gently rolling.  
 Soil, thin and rocky.  
 Timber, scattering cedar and pinion.  
 Undergrowth, sagebrush 1 to 3 ft. high.  
 Fair grass.

4. Survey of North Boundary of T. 25 N., R. 2 E.

Chains	
<p>12.05 13.10 15.00 17.50 35.00 35.96</p>	<p>S.89° 53' W., on a true line, along the N. bdy. of sec. 3, T. 25 N., R. 2 E. Over gently rolling land, through scattering undergrowth. Road, brs. NW. to Grand Canyon and SE. to Flagstaff. Road, brs. NE. to Grand Canyon and SW. to Williams. Draw, course N. Enter scattering timber. Leave scattering timber. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor. of sec. 34, marked on brass cap,</p>
	<p style="text-align: center;"><u>1/4 S 34</u> 1916</p>
<p>40.00</p>	<p>And raise a mound of stone, 2 ft. base, 2 <math>\frac{1}{2}</math> ft. high, N. of cor. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor. of sec. 3, marked on brass cap,</p>
	<p style="text-align: center;"><u>1/4 S 3</u> 1916</p>
<p>75.96</p>	<p>And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor. Set an iron post, 3 ft. long, 3 ins. diam., 26 ins. in the ground, for cor. of secs. 33 and 34, T. 26 N., R. 2 E., marked on brass cap</p>
	<p style="text-align: center;">T26N   R2E S33   S34 <u>S 3</u> T25N   R2E 1916</p>
<p>80.00</p>	<p>And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor. Set an iron post, 3 ft. long, 3 ins. diam., 26 ins. in the ground, for cor. of secs. 3 and 4, T. 25 N., R. 2 E., marked on brass cap</p>
	<p style="text-align: center;">T26N   R2E S33 <u>S 4   S 3</u> T25N   R2E 1916</p>
	<p>And raise a mound of stone, 3 ft. base, 3 ft. high, S. of cor. Land, gently rolling. Soil, coarse texture, 20 ins. deep. Timber, scattering cedar and pinion. Undergrowth, sagebrush, 1 to 3 ft. high. Thin grass.</p>
<p>22.70 23.60 24.00 34.65 35.96</p>	<p>S.89° 53' W., on a true line, along the N. bdy. of sec. 4, T. 25 N., R. 2 E. Over gently rolling land, through scattering timber and undergrowth. Old road, brs. N. and S. Grand Canyon Branch of A. T. and S. F. Ry., brs. N.4° W. and S. 4° E. Telegraph line, brs. N.4° W. and S. 4° E. Sandy wash, 20 lks wide, 1 ft. deep, course N. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor. of sec. 33, marked on brass cap,</p>

Survey of North Boundary of T. 25 N., R. 2 E.

5.

Chains.

1/4 S 33

1916

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

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

1/4 S 4

1916

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

75.96 Set an iron post, 3 ft. long, 3 ins. diam., 26 ins. in the ground, for cor. of secs. 32 and 33, T. 26 N., R. 2 E., marked on brass cap

T26N | R2E

S32 | S33

S 4

T25N R2E

1916

And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 26 ins. in the ground, for cor. of secs. 4 and 5, T. 25 N., R. 2 E., marked on brass cap

T26N R2E

S32

S 5 | S 4

T25N | R2E

1916

And raise a mound of stone, 2 ft. base, 2 1/2 ft. high, S. of cor.

Land, gently rolling.  
Soil, coarse texture, 26 ins. deep.  
Timber, a few scattering cedar and pinion.  
Undergrowth, sagebrush 1 to 3 ft. high, and broom weed 1 ft. high.  
Fair grass.

S. 89° 53' W., on a true line, along the N. bdy. of sec. 5, T. 25 N., R. 2 E.

35.96 Over gently rolling land, through scattering undergrowth. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 32, marked on brass cap,

1/4 S 32

1916

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 5, marked on brass cap,

1/4 S 5

1916

6. Survey of North Boundary of T. 25 N., R. 2 E.

Chains.

75.96 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
Set an iron post, 3 ft. long, 3 ins. diam., 26 ins. in the ground, for cor. of secs. 31 and 32, T. 26 N., R. 2 E., marked on brass cap

T26N R2E  
S31|S32  
S5  
T25N R2E  
1916

80.00 And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 26 ins. in the ground, for cor. of secs. 5 and 6, T. 25 N., R. 2 E., marked on brass cap

T26N R2E  
S 31  
S 6 | S 5  
T25N R2E  
1916

And raise a mound of stone, 3 ft. base, 3 ft. high, S. of cor.  
Land, gently rolling.  
Soil, coarse texture, 26 ins. deep.  
Timber, none,  
Undergrowth, sagebrush, 1 to 3 ft. high, and broom weed, 1 ft. high.  
Thin grass.

35.96 S.  $89^{\circ} 53'$  W., on a true line, along the N. bdy. of sec. 6, T. 25 N., R. 2 E.  
Over gently rolling land, through scattering timber and undergrowth.

35.96 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. of sec. 31, marked on brass cap,

$\frac{1}{4}$ S31  
1916

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

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. of sec. 6, marked on brass cap,

$\frac{1}{4}$ S 6  
1916

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

70.00 Asc. 30 ft. to  
76.42 Ridge, brs. NW. and SE. Desc. 30 ft. to  
80.00 The cor. of Ts. 25 and 26 N., Rs. 1 and 2 E. described in notes of Group 54.

Land, gently rolling. Soil, coarse texture, 26 ins. deep.  
Timber, scattering cedar.  
Undergrowth, sagebrush 1 to 3 ft. high.  
Fair grass.



North boundary of T. 25 N., R. 2 E.

Boundaries of T. 25 N., R. 2 E.

Latitudes, Departures and Closing Errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
		chs.	chs.	chs.	chs.	chs.
South Boundary. (6th. Std./Par. N)	N. 89° 19' W.	4.12	.05	.02		4.12
	S. 3° 24' W.	0.30		.30		.02
	West.	480.37				480.37
West Boundary.	North.	480.00	480.00			
North Boundary.	N. 89° 53' E.	484.04	0.99		484.04	
East Boundary.	South.	480.00		480.00		
Convergency.					.52	
Totals.			481.04	480.30	484.56	484.51
			480.30		484.51	
Error in latitude.			0.74			
Error in departure.					0.05	

8. Survey of Subdivision Lines of Twp. 25 N., R. 2 E.

Chains.

Survey conducted and executed with Saff and Saff light mountain transit No. 124, and Young and Sons light mountain transit No. 124, each instrument being equipped with Smith set TEST OF INSTRUMENTS, description of instruments, and certificate of approval, see book "A".

We examine the adjustments of the transits, and correct all errors; then, to test the solars, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, we proceed as follows:

June 10, 1916: At our camp at Howard Lake, near the center of sec. 34, T. 25 N., R. 2 E., in lat. 35° 31' N., long. 112° 10' W., at 4 hrs. 0 m., p.m., l.m.t., we set off 35° 31' N. on the lat. arcs; 23° 31' N. on the declination arcs; and determine a meridian with each solar, and mark a point in the lines thus determined by tacks driven in stakes set in the ground 5 chs. N. of our stations.

June 11, 1916: At 2 hrs. 15 m., a.m., l.m.t., by our watches, which are set to correct local mean time, we observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark the lines thus determined by tacks driven in stakes set in the ground, 5 chs. N. of our stations.

At 8 hrs. 0 m., a.m., l.m.t., we lay off the azimuth of Polaris, 1° 24' to the west. In each case the true meridian thus determined coincides with the meridian determined by p.m. solar observations.

At 8 hrs. 15 m., a.m., l.m.t., we set off 35° 31' n. on the lat. arcs; 23° 6 1/2' N. on the declination arcs; and determine a meridian with each solar. The meridian determined by each solar departs less than 1' from the true meridian determined by observations on Polaris at elongation.

The solars, by a.m. and p.m. observations, define positions for meridians which depart less than 1' from the true meridian determined by observations on Polaris at elongation. As these instruments fulfill the conditions of our instructions, we deem them in satisfactory adjustment for field use.

From the reestablished standard cor. of sec. 31 and 32, on the S bdy. of the Twp. 6th. Standard Parallel North, identical with and forming cor. of secs. 5 and 6 T. 24 N., R. 2 E., which is an iron post properly set, properly set, marked and witnessed as described in the field notes of current Group No. 52,

N. 0° 1' E., bet. secs. 31 and 32. Over rolling and broken land, through scattering timber and undergrowth.

- 0.97 Asc. 15 ft.
- 7.97 Top of rim rock, brs. E. and W. Asc. gradually to
- 14.92 Ridge, brs. NW. and SE. Desc. 115 ft.
- 25.06 Leave scattering timber.
- 28.55 Wire fence, brs. NW. and SE.
- 31.00 Bottom of canyon, course NW.
- 35.92 Mouth of canyon, from NE. Leave canyon, asc. 80 ft.
- 40.00 Wire fence, brs. NE. and SW.
- 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 S31 | S32

1916

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

Subdivision of T. 25 N., R. 2 E.

Chains.

57.40 Thence over gently rolling land.  
 Road, brs. NW. and SE.  
 70.00 Asc. 35 ft. to  
 79.97 Small ridge, brs. NW. and SE. Desc. gradually to  
 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

T25N R2E  
 S30 | S29  
 S31 | S32  
 1916

And raise a mound of stone, 3 ft. base, 3 ft. high, W.  
 of cor.  
 Land, rolling, broken and gently rolling.  
 Soil, coarse texture, 26 ins. deep.  
 Timber, scattering cedar and pinion.  
 Undergrowth, sagebrush 2 to 4 ft. high, and broom weed, 1  
 ft. high.  
 Thin grass.

40.00 West on a random line, bet. secs. 30 and 31.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.00 Intersect W. bdy. of Tp., 17 lks. N. of the cor. of secs.  
 25, 30, 31 and 36, which is an iron post, properly set,  
 marked and witnessed as described in the field notes of  
 current group No. 54.

Thence  
 N. 89° 53' E., on a true line, bet. secs. 30 and 31.  
 Over rolling land, through scattering timber and undergrowth.  
 Desc. 90 ft. to

18.60 Wide draw, course NW. Asc. 90 ft. to  
 30.00 Thence over gently rolling 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

$\frac{1}{4}$ S30  
 S31  
 1916

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

70.00 Ascend 60 ft. to  
 80.00 The cor. of secs. 29, 30, 31 and 32.  
 Land, rolling and gently rolling.  
 Soil, coarse texture, 20 ins. deep.  
 Timber, a few scattering cedar and pinion trees.  
 Undergrowth, sage brush, 6 ins. to 4 ft. high, and broom  
 weed 1 ft. high.  
 Thin grass.

N. 0° 1' E., bet. secs. 29 and 30.  
 Over gently rolling land, through scattering timber and  
 undergrowth.

20.00 Rocky draw, 70 lks. wide, 10 ft. deep, course W. Asc. 30  
 ft. to  
 25.00 Thence over gently rolling 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

$\frac{1}{4}$ S30 | S29  
 1916

10.

Subdivision of T. 25 N., R. 2 E.

Chains.

65.00 And raise a mound of stone, 3 ft. base, 3 ft. high, W.  
 70.27 of cor.  
 80.00 Desc. 35 ft. to  
 Bottom of draw, course NW. Asc. 35 ft. to  
 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the  
 ground, in a mound of stone, for cor. of secs. 19, 20,  
 29 and 30, marked on brass cap

T25N	R2E
S19	S20
S30	S29
1916	

From which  
 A pinion, 10 ins. diam., brs. N.74° E., 128 lks. dist.,  
 marked T25N R2E S20 BT.  
 A pinion, 18 ins. diam., brs. S.15¼° E., 253 lks. dist.,  
 marked T25N R2E S29 BT.  
 A cedar, 12 ins. diam., brs. S.14¼° W., 64 lks. dist.,  
 marked T25N R2E S30 BT.  
 A pinion, 8 ins. diam., brs. N.8½° W., 215 lks. dist.,  
 marked T25N R2E S19 BT.  
 Land, gently rolling.  
 Soil, coarse texture, 26 ins. deep.  
 Timber, scattering cedar and pinion.  
 Undergrowth, sagebrush and holly brush, 6 ins. to 5 ft. high,  
 and broom weed, 1 ft. high.  
 Fair grass.

40.00 S.89° 53' W., on a random line, bet. secs. 19 and 30.  
 79.98 Set temp. ¼ sec. cor.  
 Intersect W. bdy. of Tp., 11 lks. N. of the cor. of secs.  
 19, 24, 25 and 30, which is an iron post, firmly set,  
 marked and witnessed as described in the field notes of  
 current Group No. 54.

Thence  
 N.89° 48' E., on a true line, bet. secs. 19 and 30.  
 Over rolling and broken land, through scattering timber and  
 undergrowth.  
 Asc. gradually to  
 10.20 Ridge, brs. NW. and S. Desc. 145 ft.  
 15.10 Rim of canyon, brs. N. and S. Continue descent to  
 17.80 Canyon, course NW. Asc. 90 ft. to  
 21.35 Rim of canyon, brs. N. and S. Thence over gently rolling  
 land,  
 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

¼S19
S30
1916

From which  
 A cedar, 12 ins. diam., brs. N.27½° E., 62 lks. dist.,  
 marked ¼S19 BT.  
 A pinion, 14 ins. diam., brs. S.13¾° E., 319 lks. dist.,  
 marked ¼S30 BT.  
 Asc. 65 ft. to  
 50.00 Low ridge, brs. N. and S. Thence over gently rolling land.  
 79.98 The cor. of secs. 19, 20, 29 and 30.  
 Land, rolling, gently rolling and broken.  
 Soil, thin and rocky.  
 Timber, scattering cedar and pinion.  
 Undergrowth, sagebrush and holly brush, 2 to 4 ft. high,  
 Thin grass.

Subdivision of T. 25 N., R. 2 E.

11.

Chains.

N.0° 1' E., bet. secs. 19 and 20.  
Over gently rolling land, through scattering timber and undergrowth.

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

1/4 S19 | S20  
1916

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

43.95 Old road, brs. NW. and SE.

57.20 Old road, brs. NW. and SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked on brass cap

T25N R2E  
S18 | S17  
---  
S19 | S20  
1916

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

Land, gently rolling.  
Soil, coarse texture, 12 to 26 ins. deep.  
Timber, a few scattering scrub cedar and pinion trees.  
Undergrowth, sage and holly brush, 2 to 5 ft. high.  
Thin grass.

40.00 S.89° 48' W., on a random line, bet. secs. 18 and 19.  
Set temp. 1/4 sec. cor.

79.94 Intersect W. bdy. of Tp., at the cor. of secs. 13, 18, 19 and 24, which is an iron post, properly set, marked and witnessed as described in the field notes of current Group No. 54.

Thence  
N.89° 48' E., on a true line, bet. secs. 18 and 19.  
Over rolling and gently rolling land, through scattering undergrowth.

28.45 Wash, 10 lks. wide, 1 ft. deep, course SW.

39.97 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 S18  
---  
S19  
1916

And raise a mound of stone, 3 ft. base, 2 1/2 ft. high, N. of cor.

40.00 Wash, course SW.

60.00 Draw, course SW.

66.55 Road, brs. NW. and SE.

79.97 The cor. of secs. 17, 18, 19 and 20.

Land, rolling and gently rolling.  
Soil, thin and rocky.  
No timber.  
Undergrowth, buckbrush, 1 to 2 ft. high.

N.0° 1' E., bet. secs. 17 and 18.  
Over slightly rolling 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

12.

Subdivision of T. 25 N., R. 2 E.

Chains.	
	$\frac{1}{4}$ S18   S17 1916
80.00	Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked on brass cap  T25N R2E S 7   S 8 S18   S17 1916  And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. and, gently rolling. Soil, coarse texture, 26 ins. deep. No timber. Undergrowth, sage brush, 1 to 3 ft. high, and scattering broom weed, 1 ft. high.
40.00	S.89° 48' W., on a random line, bet. secs. 7 and 18.
79.90	Set temp. $\frac{1}{4}$ sec. cor. Intersect W. bdy. of Tp., 5 lks. N. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, properly set, marked and witnessed as described in the field notes of current Group No. 54. Thence N.89° 46' E., on a true line, bet. secs. 7 and 18. Over gently rolling land, through scattering undergrowth. Road, brs. NW. and SE.
6.00	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
39.95	$\frac{1}{4}$ S 7 S18 1916
41.90	Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
79.90	Small draw, course N. The cor. of secs. 7, 8, 17 and 18. Land, gently rolling. Soil, coarse texture, 26 ins. deep. No timber. Undergrowth, sagebrush 2 to 3 ft. high. Good grass.
40.00	N.0° 1' E., bet. secs. 7 and 8. Over gently rolling land, through scattering undergrowth. 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 7   S 8 1916
80.00	And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Enter scattering timber. Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, marked on brass cap

Chains.

T25N R2E  
S 6 | S 5  
S 7 | S 8  
1916

From which

A cedar, 7 ins. diam., brs. N.40 $\frac{1}{4}$ ° W., 186 lks. dist., marked T25N R2E S6 BT.

No other trees within limits. Raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.

Land, slightly rolling.

Soil, coarse texture, 26 ins. deep.

Timber, a few scattering scrub cedar trees.

Undergrowth, sagebrush 1 to 4 ft. high.

Good grass.

40.00  
79.86

S.89° 46' W., on a random line, bet. secs. 6 and 7.

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

Intersect W. bdy. of Tp., at the cor. of secs. 1, 6, 7 and 12, which is an iron post, properly set, marked and witnessed as described in the field notes of current Group No. 54.

Thence,

N.89° 46' E., on a true line, bet. secs. 6 and 7.

Over gently rolling land, through scattering timber and undergrowth.

39.93

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 6  
S 7  
1916

From which

A cedar, 7 ins. diam., brs. N.45° W., 106 lks. dist., marked  $\frac{1}{4}$ S6 BT.

A cedar, 6 ins. diam., brs. S.5 $\frac{1}{2}$ ° W., 180 lks. dist., marked  $\frac{1}{4}$ S7 BT.

79.86

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

Land, slightly rolling.

Soil, coarse texture, 26 ins. deep.

Timber, a few scattering scrub cedar trees.

Undergrowth, sagebrush, 1 to 4 ft. high.

Fair grass.

40.00  
79.71

N.0° 1' E., on a random line, bet. secs. 5 and 6.

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

Intersect N. bdy. of Tp., 13 lks. W. of the cor. of secs. 5 and 6, which is an iron post, hereinbefore described.

Thence

S.0° 7' W., on a true line, bet. secs. 5 and 6.

Over gently rolling land, through scattering timber and undergrowth.

39.71

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

$\frac{1}{4}$ S 6 | S 5  
1916

From which

A cedar, 12 ins. diam., brs. S.39° W., 67 lks. dist., marked  $\frac{1}{4}$ S6 BT.

No other trees within limits. Raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.

14.

Subdivision of T. 25 N., R. 2 E.

Chains.

79.71

The cor. of secs. 5, 6, 7 and 8.  
Land, gently rolling.  
Soil, coarse texture, 26 ins. deep.  
Timber, a few scattering scrub cedar trees.  
Undergrowth, sagebrush 1 to 3 ft. high.  
Fair grass.

From the reestablished standard cor. of secs. 32 and 33,  
From the S. body of the T. 25 N. Standard Parallel North,  
identical with, and forming cor. of secs. 4 and 15, T. 24  
N. R. 4 E., which is an iron post, properly set,  
set, marked and witnessed as described in the field  
notes of current Group No. 52,  
N. 0° 1' E., bet. secs. 32 and 33.

30.00

Section house on A. T. and S. F. Ry, Grand Canyon Branch,  
brs. W. 20 chs. dist.

40.00

Set an iron post, 3 ft. long, 1 in diam., 18 ins. in the  
ground, in a mound of stone, for 1/4 sec. cor., marked on  
brass

1/4 S 32 | S 33

1916

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

41.94

Road, brs. E. and W.

61.00

Dim road, brs. NE. and SW.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the  
ground, in a mound of stone, for cor. of secs. 28, 29,  
32 and 33, marked on brass cap

T25N | R2E  
S29 | S28  
---  
S32 | S33  
1916

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

Land, rolling.

Soil, dark, loose, rocky loam, over limestone and malpais  
subsoil.

Timber, pinion and juniper.

Undergrowth, sagebrush and squawberry.

40.00

West on a random line, bet. secs. 29 and 32.

80.00

Set temp. 1/4 sec. cor.

Intersect N. and S. line, 10 lks. S. of the cor. of secs.  
29, 30, 31 and 32.

Thence

S. 89° 56' E., on a true line, bet. secs. 29 and 32.

Over gently rolling land, through scattering timber and  
undergrowth.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the  
ground, in a mound of stone, for 1/4 sec. cor., marked on  
brass cap

1/4 S 29  
---  
S 32

1916

And raise a mound of stone, 3 ft. base, 3 ft. high, N.  
of cor.

54.20

Telegraph line, bet. NE. and SE.

54.75

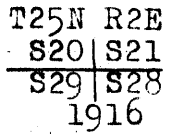
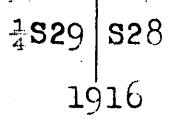
Grand Canyon Branch of A. T. and S. F. Ry., brs. NE. and  
SE.



Subdivision of T. 25 N., R. 2 E.

15.

Chains.	
80.00	The cor. of secs. 28, 29, 32 and 33. Land, gently rolling. Soil, dark, red, rocky loam, over limestone formation. Timber, very scattering juniper and pinion. Undergrowth, heavy sage and squawbrush.
38.40	N.0° 1' E., bet. secs. 28 and 29. Over gently rolling land, through very scattering timber and undergrowth. Grand Canyon Branch of A. T. and S. F. Ry., 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
40.50	And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.
80.00	Telegraph line, brs. NE. and SW. Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked on brass cap
40.00	N.89° 56' W., on a random line, bet. secs. 20 and 29. Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect the corner of secs. 19, 20, 29 and 30, 20, 29 and 30. Thence S.89° 56' E., on a true line, bet. secs. 20 and 29. Over gently rolling land, through scattering timber and undergrowth.
40.04	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
80.08	And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor. The cor. of secs. 20, 21, 28 and 29. Land, gently rolling. Soil, loose, dark, sandy loam, over sandstone and limestone formation. Timber, pinion and juniper. Undergrowth, sagebrush and squawbrush.
	N.0° 1' E., bet. secs. 20 and 21. Over gently rolling land, through scattering timber and



16.

Subdivision of T. 25 N., R. 2 E.

Chains.

39.43	undergrowth.
40.00	Dim road, brs. NW. and SE. 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
	$\begin{array}{r} \frac{1}{4}S20   S21 \\ \hline 1916 \end{array}$
40.04	And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Road, brs. NE. and SW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked on brass cap
	$\begin{array}{r} T25N R2E \\ S17   S16 \\ \hline S20   S21 \\ \hline 1916 \end{array}$
	And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Land, gently rolling. Soil, loose, dark, sand loam, over sandstone and limestone formation. Timber, juniper and pinion. Undergrowth, sagebrush and squawbrush.
40.00	N. 89° 56' W., on a random line, bet. secs. 17 and 20. Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 17, 18, 19 and 20, Thence
40.05	S. 89° 54' E., on a true line, bet. ssecs. 17 and 20. Over gently rolling land, through scattering undergrowth. 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
	$\begin{array}{r} \frac{1}{4}S17 \\ \hline S20 \\ \hline 1916 \end{array}$
60.00	And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor. Asc. 25 ft. to
65.10	Top of knoll. Desc. 80 ft. to
80.10	The cor. of secs. 16, 17, 20 and 21. Land, rolling and gently rolling. Soil, loose, dark, sandy loam, over limestone and malpais formation. No timber. Undergrowth, sagebrush.
40.00	N. 0° 1' E., bet. secs. 16 and 17. Over gently rolling land, through scattering undergrowth. 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
	$\begin{array}{r} \frac{1}{4}S17   S16 \\ \hline 1916 \end{array}$
80.00	And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground for cor. of secs. 8, 9, 16 and 17, marked on

Subdivision of T. 25 N., R. 2 E.

Chains.

brass cap

T25N R2E	
S 8	S 9
<hr/>	
S17	S16
1916	

Dig pits, 18 X 18 X 12 ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

A pinion, 10 ins. diam., brs. N.14° E., 105 lks. dist., marked T25N R2E S9 BT.

Land, gently rolling.

Soil, loose, dark, sandy loam, over limestone formation.

No timoer.

Undergrowth, sagebrush and short weeds.

40.00 N.89° 54' W., on a random line, bet. secs. 8 and 17.  
Set temp. ¼ sec. cor.

80.08 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 7, 8, 17 and 18.

Thence

S.89° 57' E., on a true line, bet. secs. 8 and 17.

Over gently rolling land, through scattering timber and undergrowth.

40.04 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

¼S8
<hr/>
S17
1916

And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.

80.08 The cor. of secs. 8, 9, 16 and 17.

Land, gently rolling.

Soil, loose, dark, rocky loam, over limestone formation.

Timber, pinion and juniper.

Undergrowth, sagebrush.

40.00 N.0° 1' E., bet. secs. 8 and 9.

Over gently rolling land, through scattering timber and undergrowth.

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

¼S 8	S 9
<hr/>	
1916	

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

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, marked on brass cap

T25N R2E	
S 5	S 4
<hr/>	
S 8	S 9
1916	

From which

A juniper, 14 ins. diam., brs. S.73° W., 166 lks. dist., marked T25N R2E S8 BT.

No other trees within limits. Raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.

Land, gently rolling.

Soil, loose, dark, loam, over limestone formation.

18.

Subdivision of T. 25 N., R. 2 E.

Chains.

Timber, scattering pinion and juniper.  
Undergrowth, sagebrush.

40.00 N.89° 57' W., on a random line, bet. secs. 5 and 8.  
Set temp.  $\frac{1}{4}$  sec. cor.  
80.13 Intersect N. and S. line, 2 lks. S. of the cor. of secs.  
5, 6, 7 and 8.

Thence  
40.06 $\frac{1}{2}$  S.89° 56' E., on a true line, bet. secs. 5 and 8.  
Over gently rolling land, through scattering timber and  
undergrowth.  
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 5  
S 8  
1916

80.13 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft.  
dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.  
high, N. of cor.  
The cor. of secs. 4, 5, 8 and 9.  
Land, gently rolling.  
Soil, loose, yellow loam, over limestone formation.  
Timber, pinion and juniper.  
Undergrowth, sagebrush.

40.00 N.0° 1' E., on a random line, bet. secs. 4 and 5.  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.98 Intersect N. bdy. of Tp., 8 lks. E. of the cor. of secs.  
4 and 5, which is an iron post, hereinbefore described.

Thence  
39.98 S.0° 2' E., on a true line, bet. secs. 4 and 5.  
Over gently rolling land, through scattering timber  
and undergrowth.  
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 5 | S 4  
1916

79.98 Dig pits, 18 X 18 X 12 ins., N. and S. of post, 3 ft.  
dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft.  
high, W. of cor.  
The cor. of secs. 4, 5, 8 and 9.  
Land, gently rolling.  
Soil, loose, dark, yellow loam, over limestone formation.  
Timber, pinion and juniper.  
Undergrowth, sagebrush.

From the reestablished standard cor. of sec. 33 and 34,  
From the S. bdy. of Tp. (6th Standard Parallel North), 2 lks.  
identical with sand farming cor. of secs. 3 and 4, T. 24 N.,  
R. 20 E., which is an iron post, properly set, properly set,  
marked and witnessed as described in the field notes of  
current Group No. 52.  
1.20 N.0° 2' E., bet. secs. 33 and 34.  
40.00 Over gently rolling land, through scattering timber and  
undergrowth.  
Road, brs. NE. and SW.  
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

Chains.

1/4 S33 | S34  
1916

From which

A juniper, 12 ins. diam., brs. S.15 1/2° E., 200 lks. dist., marked 1/4 S34 BT.

A pinion, 5 ins. diam., brs. N.38° W., 153 lks. dist., marked 1/4 S33 BT.

40.02 Road, brs. NW. and SE.

62.25 Road, brs. NW. and SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 19 ins. in the ground, in a mound of stone, for cor. of secs. 27, 28, 33 and 34, marked on brass cap

T25N R2E  
S28 | S27  
S33 | S34  
1916

From which

A pinion, 6 ins. diam., brs. N.37° E., 99 lks. dist., marked T25N R2E S27 BT.

A juniper, 7 ins. diam., brs. S.76° E., 187 lks. dist., marked T25N R2E S34 BT.

A juniper, ins. diam., brs. S.28 1/2° W., 99 lks. dist., marked T25N R2E S33 BT.

A juniper, 10 ins. diam., brs. N. 43° W., 110 lks. dist., marked T25N R2E S28 BT.

Land, gently rolling.

Soil, dark, loose, rocky loam, over malpais formation.

Timber, juniper and pinion.

Undergrowth, sagebrush.

40.00 West on a random line, bet. secs. 28 and 33.

80.04 Set temp. 1/4 sec. cor.

Intersect N. and S. line, 5 lks. N. of the cor. of secs. 28, 29, 32 and 33.

Thence

N.89° 58' E., on a true line, bet. secs. 28 and 33.

Over gently rolling land, through scattering timber and undergrowth.

17:15 Road, brs. NE. and SW.

40.02 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 S28  
S33  
1916

From which

A juniper, 10 ins. diam., brs. N.9 1/2° E., 26 lks. dist., marked 1/4 S28 BT.

A juniper, 10 ins. diam., brs. S.37 1/2° E., 22 lks. dist., marked 1/4 S33 BT.

70.25 Road, brs. NW. and SE.

80.04 The cor. of secs. 27, 28, 33 and 34.

Land, gently rolling.

Soil, loose, rocky, dark loam, over malpais and limestone formation.

Timber, juniper and pinion.

Undergrowth, sagebrush and squawbrush.

N.0° 2' E., bet. secs. 27 and 28.

Over gently rolling land, through scattering timber and

Chains.

40.00 undergrowth.  
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 S28 | S27  
1916

41.00 And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.  
80.00 From this point, ranch house and barn br. W., 15 chs. dist.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked on brass cap

T25N R2E  
S21 | S22  
S28 | S27  
1916

And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.  
Land, gently rolling.  
Soil, dark, loose, rocky loam, over limestone formation.  
Timber, pinion and juniper.  
Undergrowth, sagebrush.  
Short grass.

40.00 S.89° 58' W., on a random line, bet. secs. 21 and 28.  
Set temp. 1/4 sec. cor.

80.07 Intersect N. and S. line, 6 lks. N. of the cor. of secs. 20, 21, 28 and 29.

Thence

N.89° 55' E., on a true line, bet. secs. 21 and 28.

Over gently rolling land, through scattering timber and undergrowth.

3.35 Telegraph line, brs. NE. and SW.

3.65 Grand Canyon Branch of A. T. and S. F. Ry., brs. NE. and SW.

35.85 Three wire fence, brs. NE. and SW.

40.03 1/4 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 S21  
S28  
1916

And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.

54.05 Three wire fence, brs. NW. and SE.

80.07 The cor. of secs. 21, 22, 27 and 28.

Land, gently rolling.

Soil, dark, red, sandy loam, over limestone formation.

Timber, pinion and juniper.

Undergrowth, sagebrush.

N.0° 2' E., bet. secs. 21 and 22.

Over gently rolling land, through scattering timber and 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 S21 | S22  
1916

Chains.

80.00	<p>From which                  A pinion, 8 ins. diam., brs. S.33° E., 201 lks. dist., marked <math>\frac{1}{4}</math>S22 BT.                  A pinion, 8 ins. diam., brs. S.40° W., 102 lks. dist., marked <math>\frac{1}{4}</math>S21 BT.                  Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, marked on brass cap</p> <p style="text-align: center;">T25N R2E                  S16   S15                  S21   S22                  1916</p> <p>And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.                  Land, gently rolling.                  Soil, dark, loose, loam, over limestone and malpais formation.                  Timber, juniper and pinion.                  Undergrowth, sagebrush and squawbrush.</p>
40.00 80.05	<p>S.89° 55' W., on a random line, bet. secs. 16 and 21.                  Set temp. <math>\frac{1}{4}</math> sec. cor.                  Intersect N. and S. line, 7 lks. S. of the cor. of secs. 16, 17, 20 and 21.                  Thence                  N.89° 58' E., on a true line, bet. secs. 16 and 21.                  Over gently rolling land, through scattering timber and undergrowth.</p>
31.60 32.00	<p>Telegraph line, brs. NE. and SW.                  Grand Canyon Branch of A. T. and S. F. Ry., brs. NE. and SW.</p>
40.02 $\frac{1}{2}$	<p>Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap</p> <p style="text-align: center;"><math>\frac{1}{4}</math>S16                  S21                  1916</p>
80.05	<p>And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.                  The cor. of secs. 15, 16, 21 and 22.                  Land, gently rolling.                  Soil, dark, loose loam, over limestone and malpais formation.                  Timber, juniper and pinion.                  Undergrowth, squawbrush.</p>
40.00	<p>N.0° 2' E., bet. secs. 15 and 16.                  Over gently rolling land, through scattering timber and undergrowth.                  Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap</p> <p style="text-align: center;"><math>\frac{1}{4}</math>S16   S15                  1916</p>
80.00	<p>And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.                  Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, in a mound of stone, for cor. of secs. 9, 10, 5 and 16, marked on brass cap</p>

22.

Subdivision of T. 25 N., R. 2 E.

Chains.

T25N R2E  
 S 9 | S10  
 ---  
 S16 | S15  
 1916

From which  
 A juniper, 12 ins. diam., brs. N.60° W., 5 lks. dist.,  
 marked T25N R2E S9 BT.  
 No other trees within limits. Raise a mound of stone, 3  
 ft. base, 3 ft. high, W. of cor.  
 Land, gently rolling.  
 Soil, dark, sandy loam, over limestone and malpais formation.  
 Timber, juniper and pinion.  
 Undergrowth, sagebrush and squawbrush.

40.00 S.89° 58' W., on a random line, bet. secs. 9 and 16.  
 Set temp.  $\frac{1}{4}$  sec. cor.,  
 80.06 Intersect the corner of secs. 8, 9, 16 and 17.

Thence  
 N.89° 58' E., on a true line, bet. secs. 9 and 16.  
 Over gently rolling land, through scattering timber and  
 undergrowth.

40.03 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 9  
 ---  
 S16  
 1916

From which  
 A juniper, 12 ins. diam., brs. N.5° W., 244 lks. dist.,  
 marked  $\frac{1}{4}$ S9 BT.  
 A juniper, 8 ins. diam., brs. S.26° E., 208 lks. dist.,  
 marked  $\frac{1}{4}$ S16 BT.

56.30 Telegraph line, brs. NE. and SW.  
 56.75 Grand Canyon Branch A. T. and S. F. Ry., brs. NE. and  
 SW.

80.06 The cor. of secs. 9, 10, 15 and 16.  
 Land, gently rolling.  
 Soil, dark, sandy loam, over limestone formation.  
 Timber, pinion and juniper.  
 Undergrowth, sagebrush and squawbrush.

40.00 N.0° 2' E., bet. secs. 9 and 10.  
 Over gently rolling land, through scattering timber and  
 undergrowth.  
 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 9 | S10  
 ---  
 1916

80.00 And raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W.  
 of cor.  
 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the  
 ground, for cor. of secs. 3, 4, 9 and 10, marked on  
 brass cap

T25N R2E  
 S 4 | S 3  
 ---  
 S 9 | S10  
 1916



Subdivision of T: 25 N., R. 2 E.

Chains.

And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.  
 Land, gently rolling.  
 Soil, loose, yellow, sandy loam, over limestone formation.  
 Timber, pinion and juniper.  
 Undergrowth, sagebrush.

40.00 S.89° 58' W., on a random line, bet. secs. 4 and 9.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.06 Intersect N. and S. line, at the cor. of secs. 4, 5, 8 and 9.

Thence  
 N.89° 58' E., on a true line, bet. secs. 4 and 9.  
 Over gently rolling land, through scattering timber and undergrowth.

40.03 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 4  
 89  
 1916

Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

61.45 Telegraph line, brs. N. and S.  
 61.85 Grand Canyon Branch of A. T. and S. F. Ry., brs. N. and S.

80.06 The cor. of secs. 3, 4, 9 and 10.  
 Land, gently rolling.  
 Soil, loose, yellow, sandy loam, over limestone formation.  
 Timber, pinion and juniper.  
 Undergrowth, sagebrush.

40.00 N.0° 2' E., on a random line, bet. secs. 3 and 4.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.12 Intersect N. bdy. of Tp., 12 lks. E. of the cor. of secs. 3 and 4, which is an iron post, hereinbefore described.

Thence  
 S.0° 3' E., on a true line, bet. secs. 3 and 4.  
 Over gently rolling land, through scattering timber and undergrowth.

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 4 | S 3  
 1916

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

80.12 The cor. of secs. 3, 4, 9 and 10.  
 Land, gently rolling.  
 Soil, loose, dark, sandy loam, over limestone formation.  
 Timber, juniper and pinion.  
 Undergrowth, sagebrush.

From the reestablished standard cor. of secs. 34 and 35, on the bl. bdy. of the Tp. (6th), Standard Parallel, on North. Identical with the former cor. of secs. 22 and 23, Set T. 24 N. and R. 2 E. with which is an iron post, properly set, marked and witnessed as described in the field notes of current Group No. 52,

24.

Subdivision of T. 25 N., R. 2 E.

Chains.

N.0° 3' E., bet. secs. 34 and 35.  
 Over gently rolling land, through scattering timber and 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

$$\begin{array}{r} \frac{1}{4}S\ 34\ |S\ 35 \\ \hline 1916 \end{array}$$

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

47.10 Wire fence, brs. NW. and SE.

71.30 Road, brs. NE. and SW.

71.65 Wash, 3 ft. deep, 60 lks. wide, course SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked on brass cap

$$\begin{array}{r} T25N\ R2E \\ \hline S27\ |S26 \\ \hline S34\ |S35 \\ \hline 1916 \end{array}$$

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

Land, gently rolling.

Soil, coarse texture, 26 ins. deep, malpais stone on surface.

Timber, a few scattering cedar trees.

Undergrowth, sagebrush 1 to 3 ft. high.

Thin grass.

40.00 West on a random line, bet. secs. 27 and 34.  
 Set temp.  $\frac{1}{4}$  sec. cor.

79.88 Intersect N. and S. line, 4 lks. N. of the cor. of secs. 27, 28, 33 & 34. Thence, N.89°58'E. on a true line, bet. secs. 27 & 34.

Over gently rolling land, through scattering timber and undergrowth.

2.90 Low ridge, brs. N. and S. Desc. gradually to

13.80 Wash, 10 lks. wide, 3 ft. deep, course N. Asc. gradually to

39.94 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

$$\begin{array}{r} \frac{1}{4}S27 \\ \hline S34 \\ \hline 1916 \end{array}$$

And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.

Thence over gently rolling land.

44.30 Road, brs. NE. to Grand Canyon and SW. to Williams.

54.90 Leave scattering timber.

79.88 The cor. of secs. 26, 27, 34 and 35.

Land, gently rolling.

Soil, coarse texture, 26 ins. deep; malpais rock on surface.

Timber, cedar.

Undergrowth, sagebrush 1 to 3 ft. high.

Thin grass.

40.00 N.0° 3' E., bet. secs. 26 and 27.

Over gently rolling land, through scattering 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

Subdivision of T. 25 N., R. 2 E.

25.

Chains.

1/4 S27 | S26  
1916

80.00 And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.  
Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, marked on brass cap

T25N R2E  
S22 | S23  
S27 | S26  
1916

And raise a mound of stone, 2 ft. base, 2 1/2 ft. high, W. of cor.  
Land, gently rolling.  
Soil, coarse texture, 26 ins. deep.  
No timber.  
Undergrowth, sagebrush, 1 to 3 ft. high.  
Thin grass.

40.00 S. 89° 58' W., on a random line, bet. secs. 22 and 27.  
Set temp. 1/4 sec. cor.  
79.83 Intersect N. and S. line, 6 lks. S. of the cor. of secs. 21, 22, 27 and 28.  
Thence  
S. 89° 59' E., on a true line, bet. secs. 22 and 27.  
Over gently rolling land, through scattering undergrowth.  
9.85 Enter scattering timber.  
24.85 Leave scattering timber.  
39.91 1/2 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 S22  
S27  
1916

57.15 And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.  
Road, brs. NW. to Grand Canyon and SE. to Williams.  
57.50 Road, brs. NE. and SW. Forks of road brs. S. 24 lks. dist..  
79.83 The cor. of secs. 22, 23, 26 and 27.  
Land, gently rolling.  
Soil, coarse texture, 26 ins. deep; malpais rocks on surface.  
Timber, scattering cedar and pinion.  
Undergrowth, sagebrush and holly brush, 1 to 4 ft. high.  
Thin grass.

40.00 N. 0° 3' E., bet. secs. 22 and 23.  
Over level land, through scattering timber and undergrowth.  
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 S22 | S23  
1916

80.00 And raise a mound of stone, 2 ft. base, 2 1/2 ft. high, W. of cor..  
Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, marked on brass cap

T25N R2E  
S15 | S14  
S22 | S23  
1916

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

26.

Subdivision of T. 25 N., R. 2 E.

Chains.

Land, slightly rolling.  
Soil, coarse texture, 26 ins. deep.  
Timber, a few scattering scrubo cedar trees.  
Undergrowth, holly brush and sagebrush, 1 to 3 ft. high.  
Thin grass.

40.00  
79.86

N.89° 59' W., on a random line, bet. secs. 15 and 22.  
Set temp.  $\frac{1}{4}$  sec. cor.  
Intersect N. and S. line, at the cor. of secs. 15, 16, 21 and 22.

Thence  
S.89° 59' E., on a true line, bet. secs. 15 and 22.  
Over gently rolling land, through scattering timber and undergrowth.

1.15  
39.93

Wide draw, course N.  
Set an iron post, 3 ft. long, 1 in. diam., 2 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

$\frac{1}{4}$ S15  
 $\frac{1}{4}$ S22  
1916

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

45.55  
63.00  
64.85  
79.86

Road, brs. N. to Grand Canyon and S. to Williams.

Road, brs. NW. and SE.

Wide draw, course NW.

The cor. of secs. 14, 15, 22 and 23.

Land, gently rolling.  
Soil, coarse texture, 26 ins. deep.  
Timber, scattering cedar.  
Undergrowth, holly and sagebrush.  
Thin grass.

40.00

N.0° 3' E., bet. secs. 14 and 15.  
Over gently rolling land, through scattering timber and undergrowth.  
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 | S14  
1916

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

74.00  
80.00

Rim, brs. E. and W.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, in a mound of stone, for cor. of secs. 10, 11, 14 and 15, marked on brass cap

T25N R2E  
S10 | S11  
 $\frac{1}{4}$ S15 | S14  
1916

From which  
A cedar, 24 ins. diam., brs. S.15 $\frac{1}{2}$ ° E., 182 lks. dist., marked T25N R2E S14 BT.

No other trees within limits. Raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.

Land, slightly rolling.  
Soil, coarse texture, 26 ins. deep; malpais formation.  
Timber, a few scattering cedar and pinion trees.

Subdivision of T. 25 N., R. 2 E.

Chains.

Undergrowth, sagebrush, 1 to 3 ft. high.  
Thin grass.

40.00 N.89° 59' W., on a random line, bet. secs. 10 and 15.  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.84 Intersect N. and S. line, 2 lks. S. of the cor. of secs.  
9, 10, 15 and 16.  
Thence  
S.89° 58' E., on a true line, bet. secs. 10 and 15.  
Over gently rolling land, through scattering timber and  
undergrowth.  
39.92 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  
1916

And raise a mound of stone, 3 ft. base, 3 ft. high, N.  
of cor.  
41.00 Road, brs. NW. to Grand Canyon and SE. to Williams.  
62.45 Wash, 10 lks. wide, 2 ft. deep, course N.  
63.90 Road, brs. N. and S.  
79.84 The cor. of secs. 10, 11, 14 and 15.  
Land, slightly rolling.  
Soil, coarse texture, 26 ins. deep.  
Timber, a few scattering cedar trees.  
Undergrowth, sagebrush, 1 to 3 ft. high.  
Thin grass.

N.0° 3' E., bet. secs. 10 and 11.  
Over gently rolling land, through scattering timber and  
undergrowth.  
10.00 Leave scattering timber,  
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 | S11  
1916

And raise a mound of stone, 3 ft. base, 3 ft. high, W.  
of cor.  
52.00 Wide, shallow draw, course NE. Asc. 40 ft. to  
69.96 Low, rocky ridge, brs. NE. and SW. Desc. to  
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. 2, 3, 10  
and 11, marked on brass cap

T25N R2E  
S 3 | S 2  
S10 | S11  
1916

And raise a mound of stone, 3 ft. base, 3 ft. high, W.  
of cor.  
Land, gently rolling.  
Soil, coarse texture, 26 ins. deep; malpais rock on surface.  
Timber, a few scattering scrub cedar trees.  
Undergrowth, sagebrush and holly brush, 1 to 4 ft. high.  
Thin grass.

28.

Subdivision of T. 25 N., R. 2 E.

Chains.	
40.00	N. 89° 58' W., on a random line, bet. secs. 3 and 10.
79.92	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 5 lks. N. of the cor. of secs. 3, 4, 9 and 10.
	Thence
	East on a true line, bet. secs. 3 and 10.
	Over gently rolling land, through scattering timber and undergrowth.
39.96	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 $\frac{1}{4}$ S 10 1916
	From which
	A cedar, 5 ins. diam., brs. N. 27 $\frac{1}{2}$ ° E., 65 lks. dist., marked $\frac{1}{4}$ S 3 BT.
	A cedar, 12 ins. diam., brs. S. 57 $\frac{1}{2}$ ° E., 189 lks. dist., marked $\frac{1}{4}$ S 10 BT.
47.70	Rim of mesa, brs. NE. and SW.
49.90	Leave scattering timber.
57.00	Road, brs. NE. to Grand Canyon and SW. to Williams.
69.20	Road, brs. N. and S.
79.92	The cor. of secs. 2, 3, 10 and 11. Land, gently rolling. Soil, coarse texture, 26 ins. deep. Timber, scattering cedar trees. Undergrowth, sagebrush and holly brush. Thin grass.
40.00	N. 0° 3' E., on a random line, bet. secs. 2 and 3.
80.36	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. bdy. of Tp., 15 lks. N. of the cor. of secs. 2 and 3, which is an iron post, hereinbefore described.
	Thence
	S. 0° 3' E., on a true line, bet. secs. 2 and 3.
	Over gently rolling land, through scattering timber and undergrowth.
4.10	Draw, course NW.
5.00	Road, brs. NW. and SE.
40.36	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 3   S 2 1916
	And raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor.
80.36	The cor. of secs. 2, 3, 10 and 11. Land, slightly rolling. Soil, coarse texture, 26 ins. deep; malpais rock on surface. Timber, a few scattering scrub cedar trees. Undergrowth, sage and holly brush, 1 to 4 ft. high. Thin grass.
	From the reestablished standard cor. of secs. 35 and 36, on the S. bdy. of the Tp. (6th standard Parallel North) and the E. bdy. of the R. (2d E.), which is an iron post, properly set, properly marked and witnessed as described in the Field Notes of current Group No. 52,
	N. 0° 3' E., bet. secs. 35 and 36.
	Over gently rolling land, through scattering timber and undergrowth.

Subdivision of T. 25 N., R. 2 E.

Chains.	Three wire fence, brs. NE. and SW.
35.00	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
40.00	$\begin{array}{c} \frac{1}{4}S35 \quad   \quad S36 \\ \hline 1916 \end{array}$
75.95	And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.
80.00	Road, brs. NE. and SW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked on brass cap
$\begin{array}{c} T25N \ R2E \\ S26 \quad   \quad S25 \\ \hline S35 \quad   \quad S36 \\ \hline 1916 \end{array}$	And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.
<p>Land, gently rolling. Soil, loose, dark, sandy loam, over malpais formation. Timber, pinion and juniper. Undergrowth, sagebrush.</p>	
40.00	West on a random line, bet. secs. 26 and 35.
80.00	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 14 lks. N. of the cor. of secs. 26, 27, 34 and 35
<p>Thence N.89° 54' E., on a true line, bet. secs. 26 and 35. Over gently rolling land, through scattering timber and undergrowth.</p>	
10.00	Road, brs. NE. and SW.
20.00	Dirt tank, brs. N. 1.50 chs. dist.
33.20	Ditch, 30 lks. wide, course NW.
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
$\begin{array}{c} \frac{1}{4}S26 \\ \hline S35 \\ \hline 1916 \end{array}$	Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
80.00	The cor. of secs. 25, 26, 35 and 36. Land, gently rolling. Soil, loose, dark loam, over malpais formation. Timber, juniper and pinion. Undergrowth, sagebrush.
40.00	East on a random line, bet. secs. 25 and 36.
84.39	Set temp. $\frac{1}{4}$ sec. cor. Intersect E. bdy. of Tp., 31 lks. S. of original cor. of secs. 25, 30, 31 and 36, which is a sandstone, 5 X 20 X 8 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General.
<p>Thence S.89° 47' W., on a true line, bet. secs. 25 and 36. Over gently rolling land, through scattering timber and undergrowth.</p>	
7.00	Three wire fence, brs. NE. and SW.
44.39	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the

30.

Subdivision of T. 25 N., R. 2 E.

Chains.	
	<p>ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap</p> <p style="text-align: center;"> <math>\frac{1}{4}</math>S25  <math>\frac{1}{4}</math>S36                      1916                 </p> <p>And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.</p> <p>81.40 Three wire fence, corners 1.50 chs. S. of this point, and runs approximately E. and S.</p> <p>84.39 The cor. of secs. 25, 26, 35 and 36.                      Land, gently rolling.                      Soil, dark, loose, sandy loam, over malpais formation.                      Timber, juniper and pinion.                      Undergrowth, sagebrush.</p>
	<p>N.0° 3' E., bet. secs. 25 and 26.                      Over gently rolling land, through scattering timber and undergrowth.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap</p> <p style="text-align: center;"> <math>\frac{1}{4}</math>S26   S25                      1916                 </p>
	<p>From which                      A juniper, 8 ins diam., brs. S.30° E., 93 lks. dist., marked <math>\frac{1}{4}</math>S25 BT.                      A juniper, 24 ins. diam., brs. N.8° W., 310 lks. dist., marked <math>\frac{1}{4}</math>S26 BT.</p> <p>45.00 From this point, fenced reservoir, brs. E. 2 chs. dist.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap</p> <p style="text-align: center;">                     T25N R2E                      S23   S24                      S26   S25                      1916                 </p>
	<p>From which                      A pinion, 10 ins. diam., brs. N.38° E., 187 lks. dist., marked T25N R2E S24 BT.                      A juniper, 8 ins. diam., brs. S.59° E., 44 lks. dist., marked T25N R2E S25 BT.                      A juniper, 9 ins. diam., brs. S.2<math>\frac{1}{2}</math>° W., 187 lks. dist., marked T25N R2E S26 BT.                      A juniper, 8 ins. diam., brs. N.38<math>\frac{1}{2}</math>° W., 114 lks. dist., marked T25N R2E S23 BT.</p> <p>Land, gently rolling.                      Soil, loose, dark, gravelly loam, over malpais formation.                      Timber, pinion and juniper.                      Undergrowth, sagebrush and squawbrush.</p>
	<p>S.89° 54' W., on a random line, bet. secs. 23 and 26.                      Set temp. <math>\frac{1}{4}</math> sec. cor.</p> <p>40.00                      80.04 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 22, 23, 26 and 27.                      Thence                      N.89° 52' E., on a true line, bet. secs. 23 and 26.                      Over gently rolling land, through scattering timber and undergrowth.</p> <p>40.02 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap</p>



Chains.

1/4 S23  
S26  
1916

80.04 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.  
The cor. of secs. 23, 24, 25 and 26.  
Land, gently rolling.  
Soil, dark, loose, sandy loam, over malpais formation.  
Timber, pinion and juniper.  
Undergrowth, sagebrush.

40.00 N. 89° 47' E., on a random line, bet. secs. 24 and 25.  
Set temp. 1/4 sec. cor.,  
84.25 Intersect E. bdy. of Tp. at original cor. of secs. 19, 24, 25 and 30, which is a malpais stone, 15 X 14 X 10 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General.  
Thence  
S. 89° 47' W., on a true line, bet. secs. 24 and 25.  
Over gently rolling land, through scattering timber and undergrowth.  
19.30 Road, brs. NW. and SE.  
44.25 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 S24  
S25  
1916

84.25 Dig pits, 18 X 18 X 12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.  
The cor. of secs. 23, 24, 25 and 26.  
Land, gently rolling.  
Soil, dark, loose, sandy loam, over malpais formation.  
Timber, pinion and juniper.  
Undergrowth, sagebrush.

40.00 N. 0° 5' E., bet. secs. 23 and 24.  
Over gently rolling land, through scattering timber and undergrowth.  
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 S23 | S24  
1916

From which  
A juniper, 12 ins. diam., brs. N. 50 1/2° E., 217 lks. dist., marked 1/4 S24 BT.  
A juniper, 14 ins. diam., brs. N. 8 1/2° W., 140 lks. dist., marked 1/4 S23 BT.  
50.00 Asc. 105 ft. to  
75.00 Spur, slopes E. Desc. 35 ft. to  
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

T25N R2E  
S14 | S13  
S23 | S24  
1916

32.

Subdivision of T. 25 N., R. 2 E.

Chains.

And raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 Land, gently rolling.  
 Soil, loose, dark, rocky loam, over malpais formation.  
 Timber, pinion and juniper.  
 Undergrowth, sagebrush.

40.00 S.  $89^{\circ} 52'$  W., on a random line, bet. secs. 14 and 23.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.03 Intersect N. and S. line, 17 lks. N. of the cor. of secs. 14, 15, 22 and 23.

Thence

40.01 $\frac{1}{2}$  N.  $89^{\circ} 45'$  E., on a true line, bet. secs. 14 and 23.  
 Over gently rolling land, through scattering timber and undergrowth.  
 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

$\frac{1}{4}$ S14  
 $\frac{1}{4}$ S23  
 1916

60.00 And raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 67.03 Asc, 70 ft. to  
 75.00 Spur, slopes SE. Desc. 120 ft. to  
 80.03 Foot of desc.; thence over gently rolling land.  
 The cor. of secs. 13, 14, 23 and 24.  
 Land, mountainous and gently rolling.  
 Soil, dark, loose, rocky loam, over malpais formation.  
 Timber, pinion and juniper.  
 Undergrowth, sagebrush and squawbrush.

40.00 N.  $89^{\circ} 47'$  E., on a random line, bet. secs. 13 and 24.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 84.21 Intersect E. bdy. of Tp., 31 lks. N. of original cor. of secs. 13, 18, 19 and 24, which is a malpais, 6 X 14 X 8 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General.

Thence

44.21 West on a true line, bet. secs. 13 and 24.  
 Over gently rolling land, through scattering timber and undergrowth.  
 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

$\frac{1}{4}$ S13  
 $\frac{1}{4}$ S24  
 1916

64.60 From which  
 84.21 A juniper, 10 ins. diam., brs. N.  $59^{\circ}$  W., 62 lks. dist. marked  $\frac{1}{4}$ S13 BT.  
 A juniper, 14 ins. diam., brs. S.  $75^{\circ}$  E., 71 lks. dist. marked  $\frac{1}{4}$ S24 BT.  
 Road, brs. NW. and SE.  
 The cor. of secs. 13, 14, 23 and 24.  
 Land, gently rolling.  
 Soil, loose, dark, rocky loam, over malpais formation.  
 Timber, pinion and juniper.  
 Undergrowth, sagebrush and squawbrush.

Subdivision of T. 25 N. R. 2 E.

Chains.

N.0° 3' E., bet. secs. 13 and 14.  
Over gently rolling land, through scattering timber and undergrowth.

32.10  
40.00

Road, brs. NW. and SE.  
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 S14 | S13

1916

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

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked on brass cap

T25N R2E  
S11 | S12

S14 | S13  
1916

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

Land, gently rolling.  
Soil, loose, dark, sandy loam.  
Timber, pinion and juniper.  
Undergrowth, sagebrush.

S.89° 45' W., on a random line, bet. secs. 11 and 14.  
Set temp. 1/4 sec. cor.

40.00  
80.03

Intersect N. and S. line, 5 lks. N. of the cor. of secs. 10, 11, 14 and 15.

Thence

N.89° 43' E., on a true line, bet. secs. 11 and 14.  
Over gently rolling land, through scattering timber and undergrowth.

40.01 1/2

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  
S14

1916

And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.

49.05  
80.03

Road, brs. NW. and SE.  
The cor. of secs. 11, 12, 13 and 14.

Land, gently rolling.  
Soil, loose, dark, rocky loam, over malpais formation.  
Timber, pinion and juniper.  
Undergrowth, sagebrush and squawbrush.

East on a random line, bet. secs. 12 and 13.  
Set temp. 1/4 sec. cor.

40.00  
83.97

Intersect E. bdy. of Tp., 12 lks. S. of original cor. of secs. 7, 12, 13 and 18, which is a malpais, 6 X 14 X 8 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General.

Thence

S.89° 55' W., on a true line, bet. secs. 12 and 13.  
Over gently rolling land, through scattering timber and undergrowth.

43.97

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

34.

Subdivision of T. 25 N., R. 2 E.

Chains.

83.97	$\begin{array}{r} \frac{1}{4}S12 \\ S13 \\ 1916 \end{array}$ <p>And raise a mound of stone, 3 ft. base, 3 ft. high, N. of cor.</p> <p>The cor. of secs. 11, 12, 13 and 14. Land, gently rolling. Soil, loose, dark, sandy loam, over malpais formation. Timber, pinion and juniper. Undergrowth, sagebrush and squawbrush.</p>
40.00	<p>N.0° 3' E., bet. secs. 11 and 12. Over gently rolling land, through scattering timber and undergrowth.</p> <p>Set an ironpost, 3 ft. long, 1 in. diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap</p> $\begin{array}{r} \frac{1}{4}S11   S12 \\ 1916 \end{array}$ <p>From which A pinion, 12 ins. diam., brs. S.60° E., 14 lks. dist., marked <math>\frac{1}{4}S12</math> BT. A juniper, 10 ins. diam., brs. N.65° W., 53 lks. dist., marked <math>\frac{1}{4}S11</math> BT.</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of sec. 1, 2, 11 and 12, marked on brass cap</p> $\begin{array}{r} T25N   R2E \\ S 2   S 1 \\ \hline S11   S12 \\ 1916 \end{array}$ <p>And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. Land, gently rolling. Soil, dark, red, sandy loam, over limestone formation. Timber, juniper and pinion. Undergrowth, sagebrush and squaworush.</p>
40.00 80.04	<p>S.89° 43' W., on a random line, bet. secs. 2 and 11. Set temp. <math>\frac{1}{4}</math> sec. cor. Intersect N. and S. line, 2 lks. N. of the cor. of secs. 2, 3, 10 and 11. Thence N.89° 42' E., on a true line, bet. secs. 2 and 11. Over gently rolling land, through scattering timber and undergrowth.</p>
20.05 40.02	<p>Old road, brs. NW. and SE. Set an iron post, 3 ft. long, 1 in diam., 26 ins. in the ground, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap</p> $\begin{array}{r} \frac{1}{4}S 2 \\ S11 \\ 1916 \end{array}$ <p>From which A juniper, 8 ins. diam., brs. N.30° W., 110 lks. dist., marked <math>\frac{1}{4}S2</math> BT. A juniper, 8 ins. diam., brs. S.83<math>\frac{1}{2}</math>° W., 321 lks. dist., marked <math>\frac{1}{4}S11</math> BT.</p>
80.04	<p>The cor. of secs. 1, 2, 11 and 12. Land, gently rolling. Soil, loose, rocky, yellow clay loam, over limestone</p>

Subdivision of T. 25 N., R. 2 E.

Chains.

formation.  
Timber, pinion and juniper.  
Undergrowth, sagebrush.

40.00 N.89° 55' E., on a random line, bet. secs. 1 and 12.  
Set temp.  $\frac{1}{4}$  sec. cor.  
83.90 Intersect E. bdy. of Tp. at original cor. of secs. 1, 6, 7 and 12, which is a limestone, 4 X 12 X 6 ins. above ground, firmly set, marked and witnessed as described by the Surveyor-General.

Thence  
S.89° 55' W., on a true line, bet. secs. 1 and 12.  
Over gently rolling land, through scattering timber and undergrowth.

37.90 Draw, 2 chs. wide, course NW.  
43.90 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

$\frac{1}{4}$ S 1  
S12  
1916

From which  
A pinion, 12 ins. diam., brs. N.19 $\frac{1}{2}$ ° W., 60 lks. dist., marked  $\frac{1}{4}$ S1 BT.  
A pinion, 10 ins. diam., brs. S.42° W., 30 lks. dist., marked  $\frac{1}{4}$ S12 BT.

83.90 The cor. of secs. 1, 2, 11 and 12.  
Land, gently rolling.  
Soil, dark, yellow, sandy loam, over limestone and malpais formation.  
Timber, pinion and juniper.  
Undergrowth, sagebrush and squawbrush.

40.00 N.0° 3' E., on a random line, bet. secs. 1 and 2.  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.99 Intersect N. bdy. of Tp., 18 lks. E. of the cor. of secs. 1 and 2, which is an iron post, hereinbefore described.

Thence  
S.0° 5' E., on a true line, bet. secs. 1 and 2.  
Over gently rolling land, through scattering timber and undergrowth.

15.00 Draw, 2 chs. wide, course NW.  
39.99 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  
1916

79.99 And raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor. of secs. 1, 2, 11 & 12.  
Land, gently rolling.  
Soil, loose, yellow, clay loam, over limestone and malpais formation.  
Timber, pinion and juniper.  
Undergrowth, sagebrush.

Survey of E. and W. center line of Section 34.

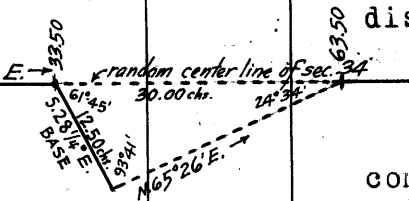
Chains.

From the 1/4 sec. cor. of secs. 33 and 34, which is an iron post, hereinbefore described.

East on a random line, through sec. 34.

33.50

Mean high water mark, on W. bank of Howard Lake. I set a flag on line, on the east shore of the Lake, and measure a base, S.28 1/4° E., 12.50 chs., from the end of which, the flag on the E. shore brs. N.65° 26' E. The distance across the lake is given by



$$\frac{\sin. 93^\circ 41' \times 12.50}{\sin. 24^\circ 34'}$$

The logarithmic

computation follows:

$$\begin{aligned} \log. 12.50 &= 1.096910-10 \\ \log. \cos. 3^\circ 41' &= 9.999102-10 \\ \log. \sin. 24^\circ 34' &= 9.618834-10 \\ \hline &= 1.477178 \end{aligned}$$

which gives the

dist. 30.00 chs. across the lake, and

63.50

To E. shore of lake. Continue line and measurement, and at

79.92

Intersect E. bdy. of sec. 34, at the 1/4 sec. cor. of secs. 34 and 35.

Thence

West on a true line through sec. 34.

Over gently rolling land.

16.42

East shore of Howard Lake.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for special meander cor. of frac. N. and S. halves of sec. 34, marked

T25N R2E

MC | S34 1/4

1916

And raise a mound of stone, 3 ft. base, 3 ft. high, E. of cor. Thence by triangulation measurement, described above

46.42

West shore of Howard Lake.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for special meander cor. of frac. N. and S. halves of sec. 34, marked

T25N R2E

1/4 | S34 | MC

1916

And raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Thence by chain measurement,

51.10

Wire fence, brs. NE. and SW.

51.50

Road, brs. NE. to Grand Canyon and SW. to Williams.

64.20

Road, brs. NW. and SE. to Howard's Ranch House. Howard's Ranch House brs. S.43° E.

69.45

Road, brs. NW. and SE.

79.92

The 1/4 sec. cor. bet. secs. 33 and 34.

Land, gently rolling.

Soil, coarse texture, 26 ins. deep.

No timber.

Undergrowth, sagebrush.

Survey of Meanders of Howard Lake, in sec. 34.

From the special meander cor. of the N. and S. halves of sec. 34, on the W. shore of Howard Lake. hereinbefore described, run with meanders in sec. 34.

Over level land.

S.28 1/4° E. 12.50 chs.

S.67 1/2° E. 6.10 "

Destroyed see page 41

Destroyed see page 41

Meanders, of Howard Lake in sec.34. 37.

S.20 $\frac{1}{2}$ ° E. 10.20 chs.  
 S.51° E. 12.80 "  
 N.42 $\frac{1}{2}$ ° E. 11.00 "  
 N.13° E. 8.20 "  
 N.16°20' W. 15.47 " To the special meander cor. of the  
 N. and S. halves of sec. 34, on the E. shore of Howard Lake.  
 Thence  
 N. 8 $\frac{1}{4}$ ° E. 19.60 chs.  
 S.74° W. 9.60 "  
 N.73° W. 14.90 "  
 S.30 $\frac{1}{2}$ ° W. 10.80 "  
 S.38° W. 6.90 "  
 S.3° 32' E. 6.38 " To the special meander cor. of the  
 N. and S. halves of sec. 34, on the W. shore of Howard  
 Lake. From this cor., Howard's Ranch House brs. S.78 $\frac{1}{2}$ °  
 W.  
 Land, gently rolling and level.  
 Soil, coarse texture, 26 ins. deep.  
 No timber.  
 Undergrowth, sagebrush.

General Description.

This township consists of slightly rolling prairie land,  
 cut by a deep canyon in the SW.cor. The soil is of  
 medium texture sandy loam, 6 to 18 ins.deep on limestone.  
 The ground is covered with a good growth of gramma grass,  
 with a scattering growth of scrub juniper trees in secs.  
 22 and 27 . A large basin in sec.34 into which the  
 storm water from the mountains to the east has been  
 ditched, makes a lake of about 100 acres ranging from  
 nothing to 18 ft.deep, and is known as "Howard Lake."  
 The Grand Canyon branch of the A.T.& S.F. Ry. crosses this  
 township from N. to S. A section house is located in  
 sec.32, and settlers were found in secs. 28 and 34.

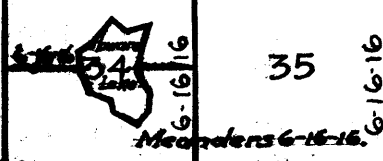
Diagram showing the respective surveys executed by Thomas B. Matthews, U.S.S., and Deane J. Wolff, U.S.T., under instructions for Group No. 55, Arizona.

BOOK 3098

Book "E"

Township 25 North, Range 2 East.

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



Blue lines indicate surveys by Thomas B. Matthews, U.S.S. on the various dates shown.

Red lines indicate surveys by Deane J. Wolff, U.S.T., on various dates shown.

Meander cors. in sec. 34 eliminated in April 1920 by A. C. Horton, U.S. Assistant Supervisor of surveys, see page 41.



BOOK 3098

CERTIFICATES OF U. S. SURVEYOR AND U.S. TRANSITMAN.

We, Thomas B. Matthews and Deane J. Wolff, U.S. Surveyor and U.S. Transitman, respectively, hereby certify on honor that, in pursuance of special instructions received from the U.S. Surveyor General of Arizona for Group No. 55, Arizona, bearing date of the 8th day of March, 1915, we have well, faithfully, and truly, in our own proper persons, 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 North boundary, the Subdivision lines and Meanders of Howard Lake in

TOWNSHIP 25 NORTH, RANGE 2 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes, and by the diagram on the reverse hereof, as having been executed by us, and under our direction; and we do further certify on honor 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 of Arizona for Group No. 55, and in the specific manner described in our respective field notes, and that the foregoing are the original field notes of such surveys.

Thomas B. Matthews  
U. S. Surveyor.

Deane J. Wolff  
U. S. Transitman.

A P P R O V A L .

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Phoenix, Arizona.

SEP 28 1918.

The foregoing field notes of the survey of the North boundary, and the Subdivision lines and Meanders of Howard Lake in

TOWNSHIP 25 NORTH, RANGE 2 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by Thomas B. Matthews, U. S. Surveyor and Deane J. Wolff, U.S. Transitman, under special instructions, dated March 8, 1915, for Group 55, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Frank O. Froth  
U.S. Surveyor General of Arizona.

~~I certify that the foregoing transcript of the field notes of the above-described surveys in Book "E" of Group 55, has been correctly copied from the original notes on file in this office.~~

U.S. Surveyor General of Arizona.

Elimination survey in sec. 34, T. 25 N., R. 2 E.  
Supplemental to book "E" of Group 55, Arizona.

April 25, 1920, I proceed to the vicinity of Howard Lake in sec. 34, T. 25 N., R. 2 E. After a general observation of the contour of the lake, I proceed to examine the shore line and make careful search for an inlet. I find no natural evidence of the lake being fed with water, but do find a large canal leading to the lake from the north. With the knowledge that this desert plateau is devoid of springs, it is evident that the lake has been formed in the main by means of the artificial canal. Although a small dry wash to the south of the lake may contribute somewhat during heavy storms to the waters of the lake, the drainage area of the wash is so slight that its effect may be considered negligible.

Having arrived at the definite conclusion that the lake has been artificially formed, and should not, therefore, have been meandered in the original survey of this township, I destroy the meander corner on the west shore of the lake. I then proceed to the meander corner on the east shore of the lake but find that no evidence remains of this corner, it probably having been destroyed by flood waters.



Asst. Supervisor of Surveys.

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Myron Haste	Truck driver

BOOK 3098

CERTIFICATE OF UNITED STATES SURVEYOR.

I, A. C. Horton, Jr., Asst. Supervisor of Surveys, hereby certify upon honor that, in pursuance of special instructions received from the Supervisor of Surveys

bearing date of the 1st day of April, 1920, 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, ~~except~~ <sup>eliminated</sup> all those parts or portions of the survey of section 34, T. 25 N., R. 2 E.

G & S. R. Base & Meridian, in the State of Arizona, which are represented in the foregoing field notes <sup>on page 41</sup> 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~~ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

*[Handwritten Signature]*

Asst. Supervisor of Surveys

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona May 21, 1920.

The foregoing field notes of the <sup>elimination</sup> survey of sec. 34, T. 25 N., R. 2 E.

executed by A. C. Horton, Jr., Asst. Supervisor of Surveys under his ~~special~~ instructions dated April 1, 1920, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*[Handwritten Signature]*  
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.~~