

2883

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JAN 12 1917

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Book "H"

BOOK 2883

(Subdivisions)

# FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES OF

TOWNSHIP 19 NORTH, RANGE 21 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Guy H. Richardson

and

Otis Ross,

In the capacity of U. S. Surveyors, under instructions dated January 4, 1915,

issued by the United States Surveyor General to govern surveys included in

Group No. 43, which were approved by the Commissioner of the General Land

Office, January 22, 1915.

Survey commenced March 29, 1915.

Survey completed April 3, 1915.

Executed under assignment  
Instructions dated Jan. 31-1915

2883

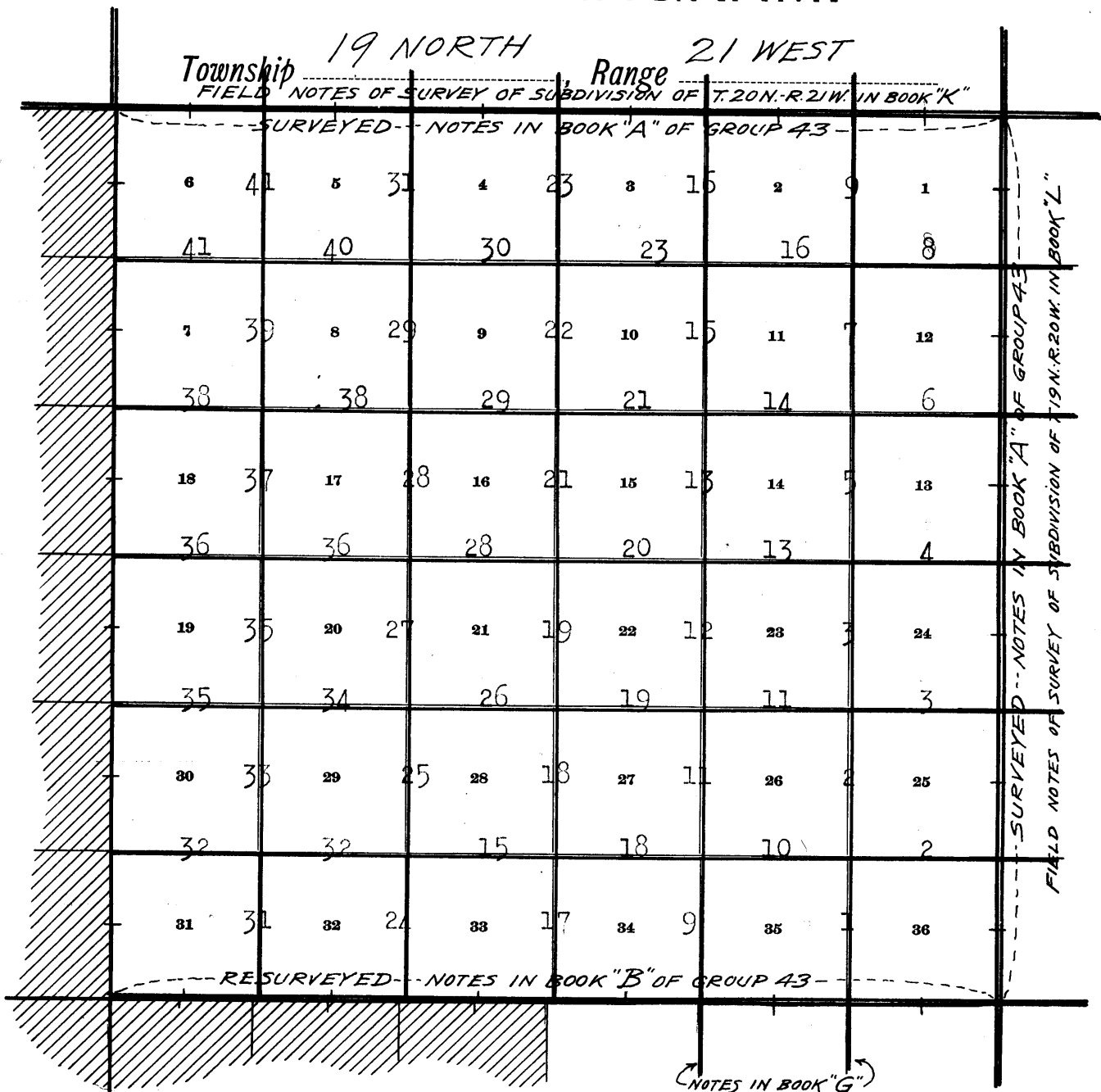
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1A

BOOK 2883

Book "H" Group 43

### INDEX DIAGRAM.



- Surveys described in field notes of Group 43
- Accepted surveyed lines
- ////// Shaded area surveyed as per accepted plats on file.

Chains

Survey commenced March 29, 1915, and executed jointly by Guy H. Richardson, and Otis Ross, U. S. Surveyors, with Young & Sons light mountain transits, Nos. 8484 and 8477 respectively. The instruments are provided with Smith solar attachments, and were approved by the Assistant Supervisor of Surveys for Arizona and California on Jan. 31, 1915.

For field test of instruments on a Polaris meridian, see field notes of the subdivision of T. 18 N., R. 20 W. in Book "F."  
 Lines run by Otis Ross, U. S. Surveyor, as follows:

At the reestablished cor. of secs 11, 2, 35 and 36, described in Book "B," on the S. bdy. of the township, at and at 9h., 0m., a. m., l.m.t., set off 3° 9' N. on the decl. arc, and 34° 59' on the lat. arc, and determine a meridian with the solar,

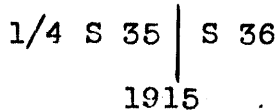
Thence I run

N. 0° 1' W. bet. secs. 35 and 36.

Over level land.

37.50 Ferry road bet. Oatman and Needles, bears E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, in a mound of stone for 1/4 sec. cor., with a brass cap, marked

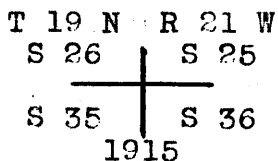


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

44.30 Pipe line, 6 ins. in diam., bears E. and W., not in use.

60.00 Wash, course SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground, to bedrock, in a mound of stone, for cor. of secs. 25, 26, 35 and 36, with a brass cap, marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Chains Land level.  
 Soil, stony, 4th. rate.  
 Undergrowth, greasewood, sagebrush and cactus.

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S. 89° 55' E. on a random line bet. secs. 25 and 36.  
 40.00 Set temp. 1/4 sec. cor.  
 80.00 Intersect the E. bdy. of the township 14 lks. N. of the  
 cor. of secs. 25, 30, 31 and 36, described in Book "A."  
 Thence I run  
 N. 89° 49' W. on a true line bet. secs. 25 and 36.  
 Over level land.  
 1.50 Ferry road bet. Oatman and Needles, bears NE. and SW.  
 30.00 Wash, course SW.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in  
 the ground to bedrock, in a mound of stone, for 1/4  
 sec. cor., with a brass cap, marked  
 1/4 S 25  
 S 36  
 1915  
 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
 N. of cor.  
 80.00 Cor. of secs. 25, 26, 35 and 36.  
 Land, level.  
 Soil, stony, 4th. rate.  
 Undergrowth, greasewood, cactus and sagebrush.

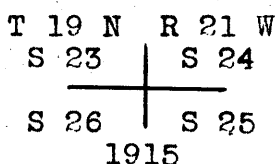
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N. 0° 1' W. bet. secs. 25 and 26.  
 Over level land.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for 1/4 sec. cor., with a brass cap, marked  
 1/4 S 26 | S 25  
 1915  
 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
 W. of cor.  
 At 1/4 sec. cor., bet. secs. 25 and 26, at apparent noon,  
 I set off 3° 12' N. on the decl. arc, and observe the

Chains

sun on the meridian, at noon, for lat. The resulting lat. is 35° Q' N.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bedrock, in a mound of stone, for cor. of secs. 23, 24, 25 and 26, with a brass cap, marked



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

Land, level.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

S. 89° 49' E. on a random line bet. secs. 24 and 25.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect the E. bdy. of the township 14 lks. S. of the cor. of secs. 19, 24, 25 and 30, described in Book "A."

Thence I run

N. 89° 55' W. on a true line bet. secs. 24 and 25.

Desc. over rolling land.

40.00 140 ft. below sec. cor. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with a brass cap, marked

)1/4 S 24

S 25  
1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Thence over level land.

80.00 Cor. of secs. 23, 24, 25 and 26.

Land rolling and level.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

N. 0° 1' W. bet. secs. 23 and 24.

Chains Over level and rolling land.

10.00 Wash, course W., asc.

21.80 Top of butte, bears E. and W., 90 ft. above wash, desc.

24.80 Foot of butte, 30 ft. below top, asc.

29.75 Top of spur, slopes W., 23 ft. above foot of butte, desc.

32.99 Gulch, course W., 70 ft. below top of spur, asc.

40.00 45 ft. above gulch, set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with a brass cap, marked

1/4 S 23		S 24
1915		

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor., thence over level land.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. the ground for cor. of secs. 13, 14, 23 and 24, with a brass cap, marked

T 19 N		R 21 W
S 14		S 13
S 23		S 24
1915		

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land level and rolling.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

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S. 89° 55' E. on a random line bet. secs. 13 and 24.

40.00 Set temp. 1/4 sec. cor.

79.98 Intersect the E. bdy. of the township 3 lks. S. of the cor. of secs. 13, 18, 19 and 24, described in Book "A."

Thence I run

N. 89° 56' W. on a true line bet. secs. 13 and 24.

Asc. over rolling land.

8.85 Top of spur, slopes SW., 50 ft. above sec. cor., desc.

20.40 Foot of 190 ft. descent, asc.

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25.55 Top of 25 ft. ascent, spur, slopes SW., desc.

35.35 Gulch 90 ft. below top of spur, course SW, asc.

## Chains

- 38.25 Top of spur, slopes SW., 75 ft. above gulch, desc.
- 39.99 Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, in a mound of stone, for 1/4 sec. cor., with a brass cap, marked
- 1/4 S 13
- 
- S 24  
1915
- and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 47.10 Gulch, course SW., 135 ft. below top of spur, asc.
- 71.20 Top of spur, 20 ft. above gulch, slopes S., desc.
- 79.98 Cor. of secs. 13, 14, 23 and 24, 23 ft. below top of spur. Land, rolling.  
Soil, stony, 4th. rate.  
Undergrowth, greasewood, sagebrush and cactus.
- March 29, 1915.

March 30, 1915; At the cor. of secs. 13, 14, 23 and 24, at 3h. 0m., p. m., l.m.t., set  $3^{\circ} 38\frac{1}{2}'$  N. on the decl. arc, and  $35^{\circ} 1\frac{1}{2}'$  on the lat. arc, and determine a meridian with the solar.

Thence I run

- N.  $0^{\circ} 1'$  W. bet. secs. 13 and 14.  
Desc. over rolling land.
- 3.88 Road, bears NE. and SW.
- 4.98 Enter wash, course SW., 40 ft. below sec. cor.
- 24.96 Leave wash, asc.
- 27.58 Top of spur, slopes SW., 40 ft. above wash, desc.
- 34.86 Wash, course SW., 23 ft. below top of spur, asc.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with a brass cap, marked
- 1/4 S 14 | S 13  
1915
- and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

## Chains

- 41.90 Top of spur, slopes W., 35 ft. above washM  
Thence over rolling land.
- 54.80 Gulch, course SW., asc.
- 61.85 Top of spur, slopes W., 27 ft. above gulch, desc.
- 67.60 Gulch, course SW., 40 ft. below top of spur, asc.
- 80.00 107 ft. above gulch, set an iron post, 3 ft. long, 2 ins.  
in diam., on surface rock, in a mound of stone, for  
cor. of secs. 11, 12, 13 and 14, with a brass cap,  
marked

T 19 N R 21 W	
S 11	S 12
S 14	S 13
1915	

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

Land, rolling.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

March 30, 1915.

April 1, 1915. At the cor. of secs. 11, 12,  
13 and 14, at 9h. 0m., a. m., l.m.t., set off 4°  
19' N. on the decl. arc, 35° 2 $\frac{1}{2}$ ' N. on the lat.  
arc, and determine a meridian with the solar.

Thence I run

S. 89° 56' E. on a random line bet. secs. 12 and 13.

- 40.00 Set temp. 1/4 sec. cor.

- 79.86 Intersect the E. bdy. of the twp. 12 lks. S. of the cor.  
of secs. 7, 12, 13 and 18, described in Book "A."

Thence I run

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

Desc. over rolling mountainous land.

- 18.06 Gulch, course SW., 395 ft. below sec. cor., asc.
- 19.30 Top of spur, slopes S., 57 ft. above gulch, desc.
- 27.75 Gulch, course S., 225 ft. below top of spur, asc.
- 30.45 Top of spur, slopes S., 100 ft. above gulch, desc.



Chains

39.93 Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, in a mound of stone, for 1/4 sec. cor., with a brass cap, marked

1/4 S 12

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S 13  
1915

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

40.28 Wash, course S., 150 ft. below top of spur, asc.

47.95 Top of spur, slopes S., 300 ft. above wash, desc.

57.30 Gulch, course SW., 210 ft. below top of spur, asc.

60.20 Top of spur, slopes S., 160 ft. above, gulch, desc.

~~73.75 Gulch, course SW., 300 ft. below top of spur, asc.~~

76.42 Top of spur, slopes SW., 85 ft. above gulch, desc.

79.86 Cor. of secs. 11, 12, 13 and 14, 115 ft. below top of spur.

Land rolling mountainous.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

N. 0° 1' W. bet. secs. 11 and 12.

Asc. over rolling mountainous land.

4.40 Top of spur, slopes W., 67 ft. above sec. cor., desc.

14.67 Gulch, course SW., 132 ft. below top of spur, asc.

28.65 Saddle on top of ridge, bears E. and W., 290 ft. above gulch, desc.

40.00 Dry wash, course W., 225 ft. below top of ridge.

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

1/4 S 11 | S 12  
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor., asc.

47.25 Top of spur, slopes W., 32 ft. above wash, desc.

66.38 Gulch, course W., 80 ft. below top of spur., asc.

70.00 Top of spur, slopes W., 45 ft. above gulch, desc.

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Subdivision of T. 19 N., R. 21 W.

## Chains

- 74.70 Gulch, course W., 63 ft. below top of spur.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock, in a mound of stone, for cor. of secs. 1, 2, 11 and 12, with a brass cap, marked.

T 19 N. R 21 W	
S 2	S 1
-----	
S 11	S 12
1915	

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

Land rolling mountainous.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

- N.  $89^{\circ} 59'$  E. on a random line bet. secs. 1 and 12.
- 40.00 Set temp.  $1/4$  sec. cor.
- 79.98 Intersect the E. bdy. of the twp. 23 lks. N. of the cor. of secs. 1, 6, 7 and 12, described in Book "A."
- Thence I run
- N.  $89^{\circ} 51'$  W. on a true line bet. secs. 1 and 12.
- Desc. over rolling mountainous land.
- 22.35 Wash, course SW., 290 ft. below sec. cor., asc.
- 39.00 Top of ridge, bears N. and S., 330 ft. above wash, desc.
- 39.99 40 ft. below top of ridge, set an iron post, 3 ft. long, 1 in. in diam., on surface rock, in a mound of stone, for  $1/4$  sec. cor., with a brass cap, marked

$1/4$  S 1

-----  
S 12  
1915

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

Continue to desc.

- 79.98 Cor. of secs. 1, 2, 11 and 12, 580 ft. below  $1/4$  sec. cor.

Land, rolling mountainous.

Soil, stony, 4th. rate.

Chains Undergrowth, greasewood, sagebrush and cactus.

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N. 0° 1' W. on a random line bet. secs. 1 and 2.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. bdy. of twp. 12 lks. W. of the cor. of  
secs. 1, 2, 35 and 36, described in Book "A."

Thence I run

S. 0° 4' W. on a true line bet. secs. 1 and 2.

Asc. over rolling mountainous land.

10.35 Top of spur, slopes W., 200 ft. above sec. cor., desc.

14.00 Gulch, course W., 140 ft. below top of spur, asc.

20.65 Top of ridge, bears E. and W., 200 ft. above gulch, desc.

40.00 475 ft. below top of ridge, set an iron post, 3 ft. long,  
1 in. in diam., 26 ins. in the ground for 1/4 sec. cor.,  
with a brass cap, marked

1/4 S 2 | S 1  
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

40.00 Small dry wash, course W., asc.

44.10 Top of spur, slopes W., 100 ft. above wash, desc.

50.20 ~~Gulch, course W., 150 ft. below top of spur, asc.~~

65.20 Top of spur, slopes W., 23 ft. above gulch, desc.

67.60 Gulch, course W., 45 ft. below top of spur, asc.

70.15 Top of spur, slopes W., 85 ft. above gulch, desc.

80.00 Cor. of secs. 1, 2, 11 and 12, 100 ft. below top of spur.  
Land, rolling mountainous.  
Soil, stony, 4th. rate.  
Undergrowth, greasewood, sagebrush and cactus.

April 1, 1915.

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March 29, 1915; From reestablished cor. of secs. 2, 3,  
34 and 35, on the S. bdy. of the twp., described in  
Book "B," I run;  
N. 0° 1' W. bet. secs. 34 and 35.  
Over level land.

## Chains

- 7.30 Ferry road, bet. Catman and Needles, bears NE. and SW.
- 10.00 Wash, course SW.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with a brass cap, marked
- |          |      |
|----------|------|
| 1/4 S 34 | S 35 |
| 1915     |      |
- and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock, in a mound of stone, for cor. of secs. 26, 27, 34 and 35, with a brass cap, marked
- |               |      |
|---------------|------|
| T 19 N R 21 W |      |
| S 27          | S 26 |
| S 34          | S 35 |
| 1915          |      |
- and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.
- Land level.
- Soil, stony, 4th. rate.
- Undergrowth, greasewood, sagebrush and cactus.
- 
- S. 89° 55' E. on a random line bet. secs. 26 and 35.
- 40.00 Set temp. 1/4 sec. cor.
- 80.00 Intersect N. and S. line 2 lks. S. of the cor. of secs. 25, 26, 35 and 36.
- Thence I run
- N. 89° 56' W. on a true line bet. secs. 26 and 35.
- Over level land.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, in a mound of stone, for 1/4 sec. cor., with a brass cap, marked
- |          |
|----------|
| 1/4 S 26 |
| S 35     |
| 1915     |

Subdivision of T. 19 N., R. 21 W.

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

80.00 Cor. of secs. 26, 27, 34 and 35.

Land, level.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

March 29, 1915.

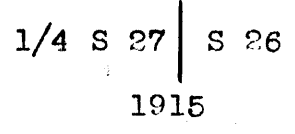
March 30, 1915; At the cor. of secs. 26, 27, 34 and 35, set off 3° 33 1/2' N. on the decl. arc, 35° 0' on the lat. arc, and determine a meridian with the solar.

Thence I run

N. 0° 1' W. bet. secs. 26 and 27.

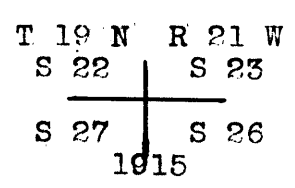
Over level land.

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



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high; W. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 22, 23, 26 and 27, with a brass cap, marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high; W. of cor.

Land, level.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

S. 89° 56' E. on a random line bet. secs. 23 and 26.

40.00 Set temp. 1/4 sec. cor.

80.08 Intersect N. and S. line 18 lks. N. of the cor. of secs.

Chains

23, 24, 25 and 26.

Thence I run

N. 89° 48' W. on a true line bet. secs. 23 and 26.

Over level land.

40.04

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

$$\frac{1}{4} \text{ S } 23$$

S 26  
 1915

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

80.08

Cor. of secs. 22, 23, 26 and 27.

Land level.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

N. 0° 1' W. bet. secs. 22 and 23.

Over level land.

20.00

Gulch, course SW.

33.10

Wagon road, bears NE. and SW.

40.00

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

$$\frac{1}{4} \text{ S } 22 \quad | \quad \text{S } 23$$

1915

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

68.80

Wash, course SW.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 14, 15, 22 and 23, with a brass cap, marked

T 19 N . R 21 W  

$$\begin{array}{c} \text{S } 15 \quad | \quad \text{S } 14 \\ \hline \text{S } 22 \quad | \quad \text{S } 23 \\ \hline 1915 \end{array}$$

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

Land, level.

Chains Soil, stony, 4th. rate.  
 Undergrowth, greasewood, sagebrush and cactus.

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S. 89° 48' E. on a random line bet. secs. 14 and 23.

40.00 Set temp. 1/4 sec. cor.

80.04 Intersect N. and S. line 28 lks. S. of the cor. of secs. 13, 14, 23 and 24.

Thence I run  
 West on a true line bet. secs. 14 and 23.  
 Desc. over rolling land.

9.10 Wagon road, bears NE. and SW.

10.10 Enter wash, course SW., 40 ft. below sec. cor.

20.00 Leave wash, course SW., asc.

40.02 35 ft. above wash, set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with a brass cap, marked

1/4 S 14

---

S 23  
1915

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

Thence over level land.

80.04 Cor. of secs. 14, 15, 22 and 23.

Land rolling and level.  
 Soil, stony, 4th. rate.  
 Undergrowth, greasewood, sagebrush and cactus.

Otis Ross, U.S.S.  
March 30, 1915.

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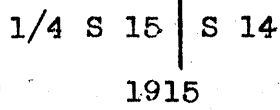
March 31, 1915; Line run by Guy H. Richardson, U. S. Surveyor, as follows: From the cor. of secs. 14, 15, 22 and 23, a line run  
 N. 0° 1' W. bet. secs. 14 and 15.

Over rolling land.

19.00 Wash, 50 lks. wide, 7 ft. deep, course S. 75° W.

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

Chains

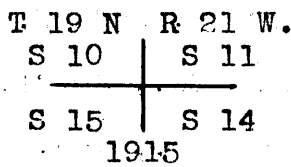


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

57.60 Wash, 70 lks. wide, 5 ft. deep, course S. 75° W.

76.43 Wash, 1 ch. wide, 15 ft. deep, course W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 10, 11, 14 and 15, with a brass cap, marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land rolling.

Soil, stony, 4th. rate.

Undergrowth, cactus and greasewood.

Guy H. Richardson, U.S.S.  
March 31, 1915.

March 31, 1915; Lines run by Otis Ross, U. S. Surveyor, as follows: From the cor. of secs. 10, 11, 14 and 15,

Thence I run

East on a random line bet. secs. 11 and 14.

40.00 Set temp. 1/4 sec. cor. land, sec.

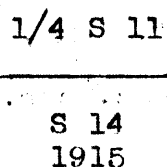
80.06 Intersect N. and S. line 12 lks. N. of the cor. of secs, 11, 12, 13 and 14.

Thence I run

N. 89° 55' W. on a true line bet. secs. 11 and 14.

Asc. over rolling land.

40.03 225 ft. above sec. cor., set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, in a mound of stone, for 1/4 sec. cor., with a brass cap, marked





Subdivision of T. 19 N., R. 21 W.

Chains and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 N. of cor., desc.

49.96 Gulch, course NW., 30 ft. below 1/4 sec. cor., asc.

54.95 Top of spur, slopes W., 23 ft. above gulch, desc.

59.90 Wash, course SW., 45 ft. below top of spur.

80.06 Cor. of secs. 10, 11, 14 and 15.

Land, rolling.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

March 31, 1915.

April 2, 1915; At the cor. of secs. 10, 11,  
 14 and 15, at 8h. 0m., a. m., l.m.t., set off 4°  
 42' N. on the decl. arc, 35° 2½' on the lat. arc,  
 and determine a meridian with the solar,

Thence I run  
 N. 0° 1' W. bet. secs. 10 and 11.  
 Over level land.

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

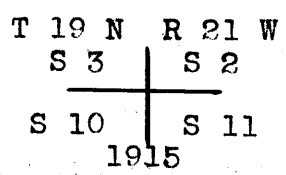
1/4 S 10	S 11
1915	

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

45.00 Wash, course SW.

60.00 Wash, course W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
 in the ground, for cor. of secs. 2, 3, 10 and 11, with  
 a brass cap, marked



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

Land, rolling.

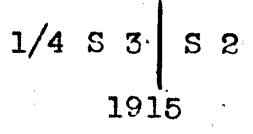
Soil, stony, 4th. rate.

Undergrowth, gresewood, sagebrush and cactus.

Chains S. 89° 55' E. on a random line bet. secs. 2 and 11.  
 40.00 Set temp. 1/4 sec. cor.  
 80.10 Intersect N. and S. line 9 lks. N. of the cor. of secs.  
 1, 2, 11 and 12.  
 Thence I run  
 N. 89° 51' W. on a true line bet. secs. 2 and 11.  
 Asc. over rolling land.  
 1.00 Top of spur, slopes SW., 16 ft. above sec. cor., desc.  
 40.05 50 ft. below top of spur, set an iron post, 3 ft. long,  
 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor.,  
 with a brass cap, marked  
 -----  
 1/4 S 2  
 -----  
 S 11  
 1915  
 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
 N. of cor.  
 60.10 Wash, course SW., 34 ft. below 1/4 sec. cor.  
 80.10 Cor. of secs. 2, 3, 10 and 11.  
 Land rolling.  
 Soil, stony, 4th. rate.  
 Undergrowth, greasewood, sagebrush and cactus.  
 At the cor. of secs. 2, 3, 10 and 11, at apparent noon,  
 I set off 4° 45' N. on the decl. arc, and observe the  
 sun on the meridian for lat. The resulting lat. is 35°  
 3' N.  
 -----  
 N. 0° 1' W. on a random line bet. secs. 2 and 3.  
 40.00 Set temp. 1/4 sec. cor.  
 80.35 Intersect the N. bdy. of the twp. 7 lks. W. of the cor.  
 of secs. 2, 3, 34 and 35, described in Book 111A.  
 Thence I run  
 S. 0° 2' W. on a true line bet. secs. 2 and 3.  
 Over rolling land.  
 15.40 Gulch, course SW.  
 40.35 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in

Chains

the ground for 1/4 sec. cor., with a brass cap, marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

80.35 Cor. of secs. 2, 3, 10 and 11.

Land rolling.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

April 2, 1915.

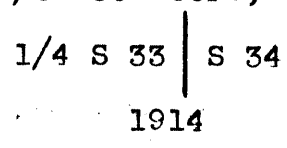
March 30, 1915; At the reestablished course of secs. 33 and 34 on the S. bdy. of the twp., described in Book "B," at 8h. 0m., a. m., l. m. t., set off 3° 32' N. on the decl. arc, and 34° 59' on the lat. arc, and determine a meridian with the solar,

Thence I run

N. 0° 2' W. bet. secs. 33 and 34.

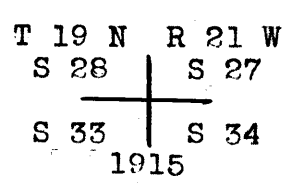
Over level land.

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



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

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



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land level.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

Chains S. 89° 55' E. on a random line bet. secs. 27 and 34.  
 40.00 Set temp. 1/4 sec. cor.  
 80.04 Intersect N. and S. line 5 lks. N. of the cor. of secs.  
 26, 27, 34 and 35.

Thence I run

N. 89° 53' W. on a true line bet. secs. 27 and 34.

Over level land.

40.02 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for 1/4 sec. cor., with a brass cap, marked  
 1/4 S 27

S 34  
 1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,

N. of cor.

80.04 Cor. of secs. 27, 28, 33 and 34.

Land, level.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

Otis Ross, U.S. Surveyor.  
 March 30, 1915.

March 31, 1915; Lines run by Guy H. Richardson, U. S.

Surveyor, as follows:

From the cor. of secs. 27, 28, 33 and 34, I  
 run

N. 0° 2' W. bet. secs. 27 and 28.

Over slightly rolling land.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in  
 the ground to bedrock, in a mound of stone, for 1/4  
 sec. cor., with a brass cap, marked

1/4 S 28 | S 27

1915

and raise a mound of stone, 2 ft. base, ½ ft. high, W. of cor.

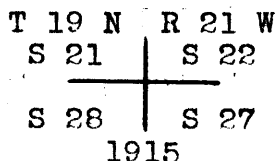
65.70 Wagon road, bears NE. and S. 75° W.

66.40 Wash, 25 lks. wide, 5 ft. deep, course S. 80° W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in  
 the ground to bedrock, in a mound of stone, for cor. of

Chains

secs. 21, 22, 27 and 28, with a brass cap, marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, slightly rolling.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

S. 89° 53' E. on a random line bet. secs. 22 and 27.

40.00 Set temp. 1/4 sec. cor.

79.86 Intersect N. and S. line 2 lks. N. of the cor. of secs. 22, 23, 26 and 27.

Thence I run

N. 89° 52' W. on a true line bet. secs. 22 and 27.

Over level land.

~~39.93 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to solid rock, in a mound of stone, for 1/4 sec. cor., with a brass cap, marked~~

1/4 S 22

S 27  
1915

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

54.35 Wagon road, bears N. 60° E. and S. 60° W.

79.86 Cor. of secs. 21, 22, 27 and 28.

Land, level.

Soil, stony, 4th. rate.

Undergrowth, greasewood, sagebrush and cactus.

N. 0° 2' W. bet. secs. 21 and 22.

Over level land.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, to solid rock, in a mound of stone, for 1/4 sec. cor., with a brass cap, marked

20

Subdivision of T. 19 N., R. 21 W.

Chains

1/4 S 21 | S 22

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

55.00 Wash, 70 lks. wide, 10 ft. deep, course S. 80° W.

74.00 Wash, 80 lks. wide, 3 ft. deep, course W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in  
the ground to solid rock, in a mound of stone for cor.  
of secs. 15, 16, 21 and 22, with a brass cap, marked

T 19 N R 21 W

S 16 | S 15

S 21 | S 22

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

Land level.

Soil, stony, 4th. rate.

Undergrowth, greasewood and sagebrush.

S. 89° 52' E. on a random line bet. secs. 15 and 22.

40.00 Set temp. 1/4 sec. cor.

79.86 Intersect N. and S. line 28 lks. N. of the cor. of secs.  
14, 15, 22 and 23.

Thence I run

N. 89° 40' W. on a true line bet. secs. 15 and 22.

Over rolling land.

3.35 Wash, 55 lks. wide, 12 ft. deep, course S. 70° W.

39.93 Set an iron post, 3 ft. long, 1 in. in diam., on surface  
rock, in a mound of stone, for 1/4 sec. cor., with a  
brass cap, marked

1/4 S 15

S 22

1915

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

54.85 Wash, 75 lks. wide, 4 ft. deep, course S. 75° W., 68 ft.  
below 1/4 sec. cor., thence over level land.

Chains

69.85 Wash, 40 lks. wide, 5 ft. deep, course S. 70° W.

79.86 Cor. of secs. 15, 16, 21 and 22.

Land level and rolling.

Soil, stony, 4th. rate.

Undergrowth, greasewood and sagebrush.

March 20, 1915.

N. 0° 2' W. bet. secs. 15 and 16.

Over slightly rolling land.

36.00 Wash, course W.

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

1/4 S 16 | S 15

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 9, 10, 15 and 16, with a brass cap, marked

T 19 N R 21 W

S 9 | S 10

S 16 | S 15

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, slightly rolling.

Soil, stony, 4th. rate.

Undergrowth, greasewood and sagebrush.

S. 89° 40' E. on a random line bet. secs. 10 and 15.

40.00 Set temp. 1/4 sec. cor.

79.76 Intersect N. and S. line 25 lks. S. of the cor. of secs. 10, 11, 14 and 15.

Thence I run

N. 89° 51' W. on a true line bet. secs. 10 and 15.

Over level land.

Chains

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

$$\frac{1}{4} S 10$$
  


---


$$S 15$$
  

$$1915$$
  
 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 N. of cor.

79.76 Cor. of secs. 9, 10, 15 and 16.  
 Land, level.  
 Soil, stony, 4th. rate.  
 Undergrowth, greasewood and sagebrush.  
 Guy H. Richardson, U. S. S.  
 March 31, 1915.

April 2, 1915; Lines run by Otis Ross, U. S. Surveyor, as follows:

N. 0° 2' W. bet. secs. 9 and 10.

Over slightly rolling land.

10.00 Wash, course SW.

25.00 Wash, course SW.

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

$$\frac{1}{4} S 9 \quad | \quad S 10$$
  

$$1915$$

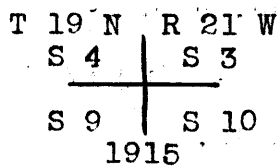
and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor.

45.00 Wash, course W.

60.00 Wash, course SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.

in the ground for cor. of secs. 3, 4, 9 and 10, with a brass cap, marked



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



Subdivision of T. 19 N., R. 21 W.

Chains	Land, slight ly rolling. Soil, stony, 4th. rate. Undergrowth, greasewood and sagebrush.
	----- April 2, 1915; At the cor. of secs. 3, 4, 9 and 10, at apparent noon, I set off 4° 45' N. on the decl. arc, and observe the sun on the meridian for lat. The re- sulting lat. is 35° 3½' N. -----
40.00	S. 89° 51' E. on a random line bet. secs. 3 and 10. Set temp. 1/4 sec. cor.
79.90	Intersect N. and S. line 9 lks. N. of the cor. of secs. 2, 3, 10 and 11. Thence I run N. 89° 47' W. on a true line bet. secs. 3 and 10. Over level land.
39.95	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with a brass cap, marked ----- 1/4 S 3 ----- S 10 1915 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
60.00	Wash, course SW.
79.90	Cor. of secs. 3, 4, 9 and 10. Land level. Soil, stony, 4th. rate. Undergrowth, greasewood, sagebrush and cactus.
	----- N. 0° 2' W. on a random line bet. secs. 3 and 4.
40.00	Set temp. 1/4 sec. cor.
80.65	Intersect the N. bdy. of the twp. 14 lks. W. of the cor. of secs. 3, 4, 33 and 34, described in Book "A." Thence I run S. 0° 4' W. on a true line bet. secs. 3 and 4. Desc. over rolling land.

Chains

12.50 Gulch, course SW., 45 ft. below sec. cor., asc.

29.15 Top of 50 ft. ascent, desc.

35.75 Foot of 80 ft. descent, gulch, course SW., asc.

40.65 60 ft. above gulch, set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to solid rock, in a mound of stone, for 1/4 sec. cor., with a brass cap, marked

1/4 S 4 | S 3

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Thence over slightly rolling land.

80.65 Cor. of secs. 3, 4, 9 and 10.

Land rolling.

Soil, stony, 4th. rate.

Undergrowth, greasewood and sagebrush.

Otis Ross, U.S. S.  
April 2, 1915.

Lines run by Guy H. Richardson, U. S. Surveyor, as follows: March 31, 1915; At the reestablished cor. of secs. 32 and

33, on the S. bdy. of the twp., described in Book "B," and at 9h. 0m., a.m., l.m.t., set off 3° 56' N. on the decl. arc, and 34° 59' on the lat. arc, and determine a meridian with the solar.

Thence I run

N. 0° 2' W. bet. secs. 32 and 33.

Over level land.

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

1/4 S 32 | S 33

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

51.00 Wash, 50 lks. wide, 2 ft. deep, course S. 75° W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to solid rock, in a mound of stone for cor.

Subdivision of T. 19 N., R. 21 W.

Chains of secs. 28, 29, 32 and 33, with a brass cap, marked

T 19 N	R 21 W
S 29	S 28
S 32	S 33
1915	

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
Land level.  
Soil, stony, 4th. rate.  
Undergrowth, greasewood and sagebrush.

East on a random line bet. secs. 28 and 33.  
40.00 Set temp. 1/4 sec. cor.  
79.90 Intersect N. and S. line 10 lks. N. of the cor. of secs.  
27, 28, 33 and 34.  
Thence I run  
N. 89° 56' W. on a true line bet. secs. 28 and 33.  
Over level land.  
29.90 Wash, course SW.  
39.95 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for 1/4 sec. cor., with a brass cap, marked  
1/4 S 28

S 33  
1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
N. of cor.  
79.90 Cor. of secs. 28, 29, 32 and 33.  
Land, level.  
Soil, stony, 3rd. rate.  
Undergrowth, greasewood and sagebrush.  
Guy H. Richardson,  
March 31, 1915.

March 31, 1915; Lines run by Otis Ross, U. S. Surveyor, as  
follows: From the cor. of secs. 28, 29, 32 and 33,  
I run,  
N. 0° 2' W. bet. secs. 28 and 29.  
Over level land.

## Chains

15.60 Wagon road, bears NE. and SW.

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

1/4 S 29 | S 28

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

42.00 Wash, course W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 20, 21, 28 and 29, with a brass cap, marked

T 19 N R 21 W

S 20 | S 21

S 29 | S 28

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, level.

Soil, stony, 4th. rate.

Undergrowth, greasewood and sagebrush.

S. 89° 56' E. on a random line bet. secs. 21 and 28.

40.00 Set temp. 1/4 sec. cor.

80.06 Intersect N. and S. line of S. 1/4 of the cor. of secs. 21, 22, 27 and 28.

Thence I run

S. 89° 56' W. on a true line bet. secs. 21 and 28.

Over level land.

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

1/4 S 21

S 28

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

80.06 Cor. of secs. 20, 21, 28 and 29.

Chains Land, level. . . . .  
 Soil, stony, 4th. rate. . . . .  
 Undergrowth, greasewood and sagebrush. . . . .  
 March 31, 1915.

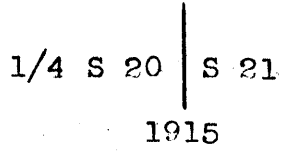
April 1, 1915; . . . . . At the cor. of secs. 20, 21,  
 28 and 29, and at 8h. 0m., a.m., l.m.t.v, set off 4°  
 18' N. on the decl. arc, and 35° 1' on the lat. arc,  
 and determine a meridian with the solar,

Thence I run  
 N. 0° 2' W. bet. secs. 20 and 21.

Over level land.

10.00 Wash, course SW.

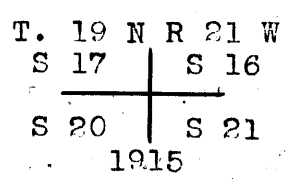
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
 in the ground for 1/4 sec. cor., with a brass cap,  
 marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
 W. of cor.

45.00 Wash, course SW.

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



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
 W. of cor.

Land level.

Soil, stony, 4th. rate.

Undergrowth, greasewood and sagebrush.

At the cor. of secs. 16, 17, 20 and 21, at apparent noon,  
 I set off 4° 22' N. on the decl. arc, and observe the  
 sun on the meridian for lat. The resulting latitude  
 is. 35° 1 1/2' N.

Chains N. 89° 56' E. on a random line bet. secs. 16 and 21.  
 40.00 Set temp. 1/4 sec. cor.  
 79.98 Intersect N. and S. line 7 lks. N. of the cor. of secs.  
 15, 16, 21 and 22.

Thence I run -----  
 S. 89° 59' W. on a true line bet. secs. 16 and 21.

Over level land.  
 39.99 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for 1/4 sec. cor., with a brass cap, marked  
 1/4 S 16

S 21  
 1915

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

79.98 Cor. of secs. 16, 17, 20 and 21.

Land level.  
 Soil, stony, 4th. rate.  
 Undergrowth, greasewood and sagebrush.

-----  
 Otis Ross, U. S. S.

Lines run by Guy H. Richardson, U. S. Surveyor, as follows:

From the cor. of secs. 16, 17, 20 and 21, and  
 I run.

N. 0° 2' W. bet. secs. 16 and 17.

Over slightly rolling sandy land.

35.00 Wash, course SW.

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

1/4 S 17 | S 16  
 1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
 W. of cor.

70.00 Wash, 45 lks. wide, 10 ft. deep, course S. 85° W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground for cor. of secs. 8, 9, 16 and 17, with a  
 brass cap, marked.

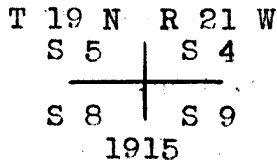
T 19 N R 21 W  
 S 8 | S 9  
 S 17 | S 16  
 1915

Subdivision of T. 19 N., R. 21 W.

Chains	<p>and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.</p> <p>Land slightly rolling.</p> <p>Soil, sandy and stony, 3rd. rate.</p> <p>Undergrowth, greasewood and sagebrush.</p>
<hr style="border-top: 1px dashed black;"/>	
40.00	<p>N. 89° 59' E. on a random line bet. secs. 9 and 16.</p> <p>Set temp. 1/4 sec. cor.</p>
79.96	<p>Intersect N. and S. line 16 lks. N. of the cor. of secs. 9, 10, 15 and 16.</p>
Thence I run	
1.45	<p>N. 89° 54' W. on a true line bet. secs. 9 and 16.</p> <p>Wash, 50 lks. wide, 12 ft. deep, course S. 70° W.</p>
39.98	<p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with a brass cap, marked</p> <p style="text-align: center;">1/4 S 9</p> <hr style="width: 10%; margin: auto;"/> <p style="text-align: center;">S 16 1915</p>
and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.	
40.00	<p>Wash, 40 lks. wide, 15 ft. deep, course SW.</p>
79.96	<p>Cor. of secs. 8, 9, 16 and 17.</p> <p>Land level.</p> <p>Soil gravel loam, 3rd. rate.</p> <p>Undergrowth, greasewood.</p>
<hr style="border-top: 1px dashed black;"/>	
N. 0° 2' W. bet. secs. 8 and 9.	
Over level land.	
20.00	<p>Wash, course S. 70° W.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with a brass cap marked</p> <p style="text-align: center;">1/4 S 8   S 9</p> <p style="text-align: center;">1915</p>
and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.	
45.00	<p>Draw, course S. 75° W.</p>

Chains

- 65.75 Wash, course W.
- 76.00 Wash, 1 ch. wide, course W.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 4, 5, 8 and 9, with a brass cap, marked



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

Land level.

Soil, sandy and stony, 3rd. rate.

Undergrowth, greasewood and sagebrush.

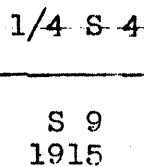
- S. 89° 54' E. on a random line bet. secs. 4 and 9.
- 40.00 Set temp. 1/4 sec. cor.
- 79.90 Intersect N. and S. line 26 lks. N. of the cor. of secs. 3, 4, 9 and 10.

Thence I run

N. 89° 43' W. on a true line bet. secs. 4 and 9.

Over level sandy land.

- 34.90 Wash, course SW.
- 39.95 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with a brass cap, marked



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

- 69.90 Wash, course SW.
- 79.90 Cor. of secs. 4, 5, 8 and 9.

Land, level.

Soil, sandy and stony, 3rd. rate.

Undergrowth, greasewood and sagebrush.



Chains N. 0° 2' W. on a random line bet. secs. 4 and 5.  
 40.00 Set temp. 1/4 sec. cor.  
 80.50 Intersect the N. bdy. of the twp. 16 lks. E. of the cor.  
 of secs. 4, 5, 32 and 33, described in Book "A."  
 Thence I run  
 S. 0° 9' E. on a true line bet. secs. 4 and 5.  
 Over rolling land, desc.  
 17.80 Wash, course SW., 47 ft. below sec. cor.  
 40.50 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground for 1/4 sec. cor., with a brass cap, marked

$$\begin{array}{c} 1/4 \text{ S } 5 \quad | \quad \text{S } 4 \\ \hline 1915 \end{array}$$

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
 W. of cor.

43.25 Wash, 75 lks. wide, course W.  
 80.50 Cor. of secs. 4, 5, 8 and 9.  
 Land, rolling.  
 Soil, sandy and stony, 3rd. rate.  
 Undergrowth, greasewood and sagebrush.  
 Guy H. Richardson, U.S.S.  
 April 1, 1915.

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March 31, 1915; Lines run by Otis Ross, U. S. Surveyor, as follows:  
 At the reestablished corner of secs 31 and 32, on the S. bdy. of the twp. described in Book "B", and at 10h., 0m., a. m., l.m.t., set off 3° 57' N. on the decl. arc, and 34° 59' on the lat. arc, and determine a meridian with the solar,  
 Thence I run  
 N. 0° 3' W. bet. secs. 31 and 32.  
 Over level stony land.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with a brass cap, marked

$$\begin{array}{c} 1/4 \text{ S } 31 \quad | \quad \text{S } 32 \\ \hline 1915 \end{array}$$

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
 W. of cor.

Chains

47.80 Wagon road, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 29, 30, 31 and 32, with a brass cap, marked

T 19 N	R 21 W
S 30	S 29
S 31	S 32
1915	

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

Land, level.

Soil, stony and sandy, 3rd. rate.

Undergrowth, greasewood, sagebrush and cactus.

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East on a random line bet. secs. 29 and 32.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. and S. line 14 lks. S. of the cor. of secs. 29, 29, 32 and 33.

Thence I run

S. 89° 54' W. on a true line bet. secs. 29 and 32.

Over level stony land.

25.50 Wagon road, bears NE. and SW.

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

1/4 S 29
-----
S 32
1915

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

80.00 Cor. of secs. 29, 30, 31 and 32.

Land, level.

Soil, stony and sandy, 3rd. rate.

Undergrowth, greasewood, msagebrush and cactus.

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West on a random line bet. secs. 30 and 31.

40.00 Set temp. 1/4 sec. cor.

Chains

79.96 Intersect the W. bdy. of the twp., 2 lks. N. of old cor. of secs. 25, 30, 31 and 36, which is a granite stone, 10 X 9 X 4 ins. above ground, marked and witnessed as described by the surveyor general.

Thence I run

N. 89° 59' E. on a true line bet. secs. 30 and 31.

Over level land.

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

1/4 S 30

---

S 31  
1915

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

79.96 Cor of secs. 29, 30, 31 and 32.

Land, level.

Soil, sandy and stony, 3rd. rate.

Undergrowth, greasewood and sagebrush.

Otis Ross, U.S.S.  
March 31, 1915.

April 1, 1915; Lines run by Guy H. Richardson, U. S.

Surveyor, as follows:

At the cor. of secs. 29, 30, 31 and 32, and at 9h., Om., a. m., l.m.t., set off 4° 19' N. on the decl. arc, and 35° 0' on the lat. arc, and determine a meridian with the solar,

Thence I run

N. 0° 3' W. bet. secs. 29 and 30.

Over level stony land.

35.00 Wash, 30 lks. wide, 3 ft. deep, course S. 80° W.

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

1/4 S 30 | S 29

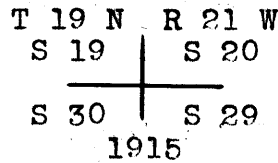
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Chains

76.00 Wash, 70 lks. wide, 3 ft. deep, course S. 85° W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground, to solid rock, in a mound of stone, for cor. of secs. 19, 20, 29 and 30, with a brass cap, marked



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

Land, level,

Soil, sandy and stony, 3rd. rate.

Undergrowth, greasewood and sagebrush.

N. 89° 54' E. on a random line bet. secs. 20 and 29.

40.00 Set temp. 1/4 sec. cor.

80.08 Intersect N. and S. line 9 lks. S. of the cor. of secs. 20, 21, 28 and 29.

Thence I run

S. 89° 50' W. on a true line bet. secs. 20 and 29.

Over level land.

40.04 Wash, course W., set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to solid rock, in a mound of stone, for 1/4 sec. cor., with a brass cap, marked

1/4 S 20

S 29  
1915

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

80.08 Cor. of secs. 19, 20, 29 and 30.

Land, level and slightly rolling.

Soil, sandy and stony, 3rd. rate.

Undergrowth, greasewood and sagebrush.

Subdivision of T. 19 N., R. 21 W.

Chains S. 89° 59' W. on a random line bet. secs. 19 and 30.

40.00 Set temp. 1/4 sec. cor.

80.05 Intersect the W. bdy. of the twp., 21 lks. S. of old cor. of secs. 19, 24, 25 and 30, which is a lava stone, 8 X 6 X 5 ins. above ground, marked and witnessed as described by the surveyor general.

Thence I run

S. 89° 52' E. on a true line bet. secs. 19 and 30.

Over gently rolling land.

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

1/4 S 19

---

S 30  
1915

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.

80.05 Cor. of secs. 19, 20, 29 and 30.

Land gently rolling.

Soil, sandy, 3rd. rate.

Undergrowth, greasewood and sagebrush.

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N. 0° 3' W. bet. secs. 19 and 20.

Over slightly rolling gravelly land.

36.50 Wash, 1 ch. wide, 2 ft. deep, course W.

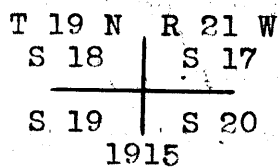
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to solid rock, in a mound of stone, for 1/4 sec. cor., with a brass cap, marked

1/4 S 19 | S 20  
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 15 ins. in the ground, to solid rock, in a mound of stone, for cor. of secs. 17, 18, 19 and 20, with a brass cap, marked

Chains



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

Land, slightly rolling.

Soil, gravelly and sandy, 3rd. rate.

Undergrowth, greasewood, sagebrush and cactus.

At the cor. of secs. 17, 18, 19 and 20, at apparent noon,  
I set off 4° 22' N. on the decl. arc, and observed the  
sun on the meridian for lat. The resulting latitude is  
35° 1½' N.

N. 89° 50' E. on a random line bet. secs. 17 and 20.

40.00 Set temp. 1/4 sec. cor.

80.10 Intersect N. and S. line 16 lks. N. of the cor. of secs.  
16, 17, 20 and 21.

Thence I run

S. 89° 57' W. on a true line bet. secs. 17 and 20.

Over gently rolling desert land.

40.05 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in  
the ground to solid rock, in a mound of stone for 1/4  
sec. cor., with a brass cap, marked

1/4 S 17

S 20  
1915

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

80.10 Cor. of secs. 17, 18, 19 and 20.

Land, gently rolling.

Soil, sandy and gravelly, 3rd. rate.

Undergrowth, greasewood, sagebrush and cactus.

N. 89° 52' W. on a random line bet. secs. 18 and 19.

40.00 Set temp. 1/4 sec. cor.

Chains

80.00 Intersect the W. bdy. of the twp. 30 lks. S. of old cor. of secs. 13, 18, 19 and 24, a lava stone 6x6x5 ins. above ground, marked and witnessed as described by Surveyor General. Thence I run,

S. 89° 39' E. on a true line bet. secs. 18 and 19.

Over gently rolling desert land.

3.00 Wash, 2 chs. wide, 4 ft. deep, course S. 60° W.

32.50 Wash, 1 ch. wide, 2 ft. deep, course S. 60° W.

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

1/4 S 18

S 19  
1915

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

80.00 Cor. of secs. 17, 18, 19 and 20.

Land, gently rolling.

Soil, gravel and sand, 3rd. rate.

Undergrowth, greasewood, sagebrush and cactus.

April 1, 1915.

April 2, 1915; I commenced At the cor. of secs. 17, 18, 19 and 20, at 10h. 0m., a. m., I m.t. set off 4° 43' N. on the decl. arc, 35° 1 1/2' on the lat. arc, and determine a meridian with the solar,

Thence I run

N. 0° 3' W. bet. secs. 17 and 18.

Over level stony land.

20.00 Wash, course SW.

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

1/4 S 18 | S 17

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

60.00 Wash, course SW.

70.00

Chains

74.00 Wash, 1 ch. wide, 10 ft. deep, course S. 80° W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 7, 8, 17 and 18, with a brass cap, marked

T 19 N	R 21 W
S 7	S 8
-----	
S 18	S 17
1915	

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

Land, level.

Soil, stony, sandy and gravelly, 4th. rate.

Undergrowth, greasewood and sagebrush.

-----  
N. 89° 57' E. on a random line bet. secs. 8 and 17.

40.00 Set temp. 1/4 sec. cor.

80.12 Intersect N. and S. line 16 lks. N. of the cor. of secs. 8, 9, 16 and 17.

Thence I run

N. 89° 56' W. on a true line bet. secs. 8 and 17.

Over level land

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

1/4 S 8

-----  
S 17  
1915

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

74.12 Wash, course S. 80° W.

80.12 Cor. of secs. 7, 8, 17 and 18.

Land, level.

Soil, stony, 4th. rate.

Undergrowth, greasewood and sagebrush.

-----  
N. 89° 39' W. on a random line bet. secs. 7 and 18.

40.00 Set temp. 1/4 sec. cor.



Chains

79.86 Intersect W. bdy. of the twp. 3 lks. N. of old cor. of  
secs. 7, 12, 13 and 18, which is a lava stone, 8 X 8  
X 6 ins. above ground, marked and witnessed as described  
by the surveyor general.

Thence I run

S. 89° 40' E. on a true line bet. secs. 7 and 18.

Over gently rolling land.

13.86 Wash, 12 ft. deep, course S. 85° W.

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

1/4 S 7

S 18  
1915

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

79.86 Cor. of secs. 7, 8, 17 and 18.

Land gently rolling.

Soil, gravelly and stony, 3rd. rate.

Undergrowth, greasewood and sagebrush.

Guy H. Richardson, U.S.S.  
April 2, 1915.

April 3, 1915; Lines run by Otis Ross, U. S. Surveyor, as  
follows: At the cor. of secs. 7, 8, 17 and 18, set at  
8h. 0m., a. m., l.m.t. set off 5° 5' N. on the decl.  
arc, and 35° 2 1/2' N. on the lat. arc, and determine a  
meridian with the solar.

Thence I run

N. 0° 3' W. bet. secs. 7 and 8.

Over level land.

35.00 Wash, course SW.

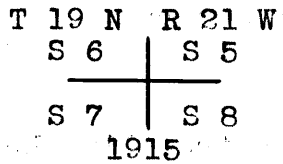
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for 1/4 sec. cor., with a brass cap, marked

1/4 S 7 | S 8  
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 5, 6, 7 and 8, with a brass cap, marked



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

Land level.

Soil, stony and sandy, 4th. rate.

Undergrowth, greasewood and sagebrush.

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

40.00 Set temp. 1/4 sec. cor.

80.18 Intersect N. and S. line 2 lks. N. of the cor. of secs. 4, 5, 8 and 9.

Thence I run

N. 89° 55' W. on a true line bet. secs. 5 and 8.

Over slightly rolling land.

15.20 Bend of wash, from SE. to SW. Line runs along bottom of wash land.

40.00 Leave wash land, bears SW. and N. 80° E.

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

1/4 S 5

S 8  
1915

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

55.18 Wash, course SW.

80.18 Cor. of secs. 5, 6, 7 and 8.

Land, slightly rolling.

Soil, stony, and gravelly, 4th. rate.

Undergrowth, greasewood and sagebrush.

Chains	N. 89° 40' W. on a random line bet. secs. 6 and 7.
40.00	Set temp. 1/4 sec. cor.
80.07	Intersect the W. bdy. of the twp. 3 lks. S. of old cor. of secs. 1, 6, 7 and 12, which is a lava stone, 10 X 8 X 5 ins. above ground, marked and witnessed as described by the surveyor general.
	Thence I run
	S. 89° 39' E. on a true line bet. secs. 6 and 7.
	Over rolling stony land.
20.22	Gulch, course SW.
30.12	Gulch, course SW.
40.07	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with a brass cap, marked 1/4 S 6
	S 7 1915
	and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.
50.13	Gulch, course SW.
80.07	Cor. of secs. 5, 6, 7 and 8. Land, gently rolling. Soil, stony, 4th. rate. Undergrowth, greasewood and sagebrush.
	Apr. 3, 1915; At the cor. of secs. 5, 6, 7 and 8, at apparent noon, I set off 5° 8' N. on the decl. arc, and observe the sun on the meridian for lat. The resulting latitude is 35° 3' N.
	N. 0° 3' W. on a random line bet. secs. 5 and 6.
40.00	Set temp. 1/4 sec. cor.
80.48	Intersect the N. bdy. of the twp. 14 lks. E. of the cor. of secs. 5, 6, 31 and 32, described in Book "A." Thence I run S. 0° 9' E. on a true line bet. secs. 5 and 6. Over rolling land.

Chains Desc. E. slope.  
 15.63 Gulch, course W., 85 ft. below sec. cor.  
 30.56 Gulch, course SW., asc.  
 40.48 40 ft. above gulch, set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., with a brass cap, marked

1/4 S 6 | S 5  
 1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor., desc.  
 80.48 Cor. of secs. 5, 6, 7 and 8, 63 ft. below 1/4 sec. cor. Land rolling.  
 Soil, stony, 4th. rate.  
 Undergrowth, greasewood and sagebrush.  
 Otis Ross, U.S.S. Apl. 3, 1915.

Boundaries of T. 19 N., R. 21 W.  
 Latitudes, departures and closing errors.

Line designated	True bearings	Distance	Latitudes		Departures	
			N	S	E	W
S. bdy. of Tp.	N. 89° 55' W.	240.75	0.35			240.75
S. bdy. Twp.	N. 89° 49' W	40.08	0.13			40.08
S. bdy. Twp.	S. 89° 57' W	40.13		0.04		40.13
S. bdy. Twp.	N. 89° 43' W	40.15	0.20			40.15
S. bdy. Twp.	S. 89° 45' W	40.07		0.17		40.07
S. bdy. Twp.	N. 89° 58' W	78.86	0.05			78.86
W. bdy. Twp.	North	480.00	480.00			
N. bdy. Twp.	S. 89° 43' E	479.82		2.38	479.82	
E. bdy. Twp.	South	480.00		480.00		
Convergency					0.51	
Totals			480.73	482.59	480.33	480.04
Error in lat.				480.73		
				1.86	480.04	
Error in dep.					0.29	

Subdivision of T. 19 N., R. 21 W.

Chains

GENERAL DESCRIPTION.

This township is rolling mountainous along the eastern two tiers of secs. and rolling and level in the western part. The drainage is from NE. to SW., and the washes are deep cut and wide. The soil is mostly rock and gravel and of low grade. There is no timber or water in the township, and no settlers. The vegetation is greasewood, sagebrush and cactus.

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60  
BOOK 2883  
44

CERTIFICATES  
FOR ~~FINAL OATH~~ OF UNITED STATES SURVEYORS  
see book "C" of this group.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_, 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 \_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear 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 \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

\_\_\_\_\_  
U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  
Phoenix, Arizona, February 26, 1917.

The foregoing field notes of the survey of the \_\_\_\_\_

Subdivision Lines of

TOWNSHIP 19 NORTH, RANGE 21 WEST,

of the Gila and Salt River Base and Meridian, State of Arizona, executed by Guy H. Richardson and Otis Ross, U.S. Surveyors, under special instructions dated January 4, 1915, for Group 43, \_\_\_\_\_, 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. Frost*  
U. S. Surveyor General  
of Arizona.

~~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.~~