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BOOK 2869

Book "F"

(Subdivisions)

FIELD NOTES

Re-
OF THE SURVEY OF THE

Third Standard Parallel North, through Range 7 West, and

Survey of the Subdivision Lines of

Township 13 North, Range 7 West,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona,

EXECUTED BY

John F. Hesse,

U. S. Surveyor,

In the capacity of U. S. Surveyor, under instructions dated Sept. 26, 1914,
issued by the United States Surveyor General to govern surveys included in
Group No. 37, which were approved by the Commissioner of the General Land
Office, October 3, 1914.

Resurvey & Survey commenced Feb. 21, 1915.

Resurvey & Survey completed April 9, 1915.

BOOK 2869

Book "F"

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3rd. Standard Parallel North.

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Resurvey of the Third Standard Parallel North, thru Range 7 West. 13
Chains.

Resurvey commenced February 22, 1915, and executed with an A. Lietz light mountain transit No. 6166, with solar attachment. For description of instrument, certificate of approval and field test for adjustments of transit and solar, see notes of the survey of the fractional east boundary of Tp. 13 N., R. 7 W. in Book "A" of this Group.

February 22, 1915: At 7h. 30m. a.m., l.m. t., I set off $34^{\circ}25'$ N. on the latitude arc; $10^{\circ}23\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the standard cor. of Tps. 13 N., Rs. 6 and 7 W., which is an iron post 3 ins. in diam., 12 ins. above ground, marked and witnessed as described by the Surveyor General.

Thence I run,
West on south bdy. of sec. 36.
0.40 Wash, 20 lks. wide, course SE. Ascend E. slope of mountain, through dense brush.
39.28 The original standard $\frac{1}{4}$ sec. cor., which I destroy.
40.00 Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone for reestablished standard $\frac{1}{4}$ sec. cor., marked on brass cap,
1915 in S. rim;
 $\frac{1}{4}$ S 36 in N. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
43.16 Ridge brs. NW. and SE. 819 ft. above E. bdy. Descend.
60.00 Wash, 10 lks. wide, course SE. 289 ft. below ridge. Ascend.
69.86 Ridge brs. N. and S. 259 ft. above wash. Descend.
79.15 Original standard cor., which I destroy.
80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for reestablished standard cor. of secs. 35 and 36, marked on brass cap,
1915 in S. rim;
T 13 N R 7 W in N. half;
S 35 in NW., and
S 36 in NE. quadrant;
and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
Land, mountainous.
Soil, rocky, 4th rate. Huge granite boulders.
Undergrowth, oak and catclaw.
No timber.
Poor grass.
February 22: At this cor., I set off $10^{\circ}21'$ S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ}25\frac{1}{2}'$ N.

West, on S. bdy. of sec. 35.
Descend, through scattering brush.
4.92 Wash, 15 lks. wide, course S. 57 ft. below cor. Ascend.
12.94 Ridge, brs. N. and S. 113 ft. above wash. Descend.
22.80 Wash, 25 lks. wide, course S. 324 ft. below ridge. Ascend.
35.88 Ridge brs. N. and S. 256 ft. above wash; descend.
38.54 The original standard $\frac{1}{4}$ sec. cor., which I destroy.
39.30 Set an iron post 3 ft. long, 1 in. in diam., in a mound of stone for witness corner to reestablished standard $\frac{1}{4}$ sec. cor., marked on brass cap,
1915 on S. rim;
W C $\frac{1}{4}$ in W. half;
S 35 in NE. quadrant; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, north of cor. Pits impracticable.

2. Resurvey of the Third Standard Parallel N. thru. Range 7 W.

Chains.

40.00 True point for the reestablishment of the standard $\frac{1}{4}$ sec. cor. falls on slanting granite boulder. Impracticable to set iron post at this point.

54.99 Spur, brs. SE. 42 ft. above ridge.

78.55 The original standard corner, which I destroy.

80.00 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished standard corner of secs. 34 and 35, marked on brass cap,

1915 on S. rim;

T 13 N R 7 W in N. half;

S 34 in NW., and

S 35 in NE. quadrant;

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

Land, mountainous.

Soil rocky, 4th rate. Huge granite boulders.

No timber.

Undergrowth, oak and catclaw.

Poor grass.

This cor. is 201 ft. below spur.

February 22, 1915.

February 26, 1915: At 8h.00m. a.m., l.m.t., I set off $34^{\circ} 25' N.$ on the lat. arc; $8^{\circ} 55\frac{1}{2}' S.$ on the decl. arc; and determine a meridian with the solar at the reestablished standard cor. of secs. 34 and 35.

Thence I run,

West, on south bdy. of sec. 34.

Descend through scattering brush.

16.35 Wash, 15 lks. wide, course S.E. 197 ft. below cor. Ascend.

38.51 Original standard $\frac{1}{4}$ sec. cor., which I destroy.

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

1915 in S. rim;

$\frac{1}{4}$ S 34 in N. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

48.28 Top of rocky point 249 ft. above wash; descend.

60.44 Wash, 15 lks. wide, course SE. 93 ft. below point.

Ascend.

78.04 The original standard cor., which I destroy.

80.00 Set an iron post 3 ft. long, 3 ins. in diam., in a mound of stone for reestablished standard cor. of secs. 33 and 34, marked on brass cap,

1915 in S. rim;

T 13 N R 7 W in N. half;

S 33 in NW., and

S 34 in NE. quadrant;

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

364 ft. above wash.

February 26: At this cor., I set off $8^{\circ} 52\frac{1}{2}' S.$ on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ} 25' N.$

February 26, 1915.

March 1, 1915: At 8h.00m. a.m., l.m.t., I set off $34^{\circ} 25' N.$ on the lat. arc; $7^{\circ} 48' S.$ on the decl. arc; and determine a meridian with the solar at the reestablished standard cor. of secs. 33 and 34.

Thence I run,

West, on south bdy. of sec. 33.

Ascend through scattering brush.

Recovery of Third Standard Parallel N. thru Range 7 West. 3.

- .50 Ridge, brs.N.and S.; descend.
 - 37.95 Original standard $\frac{1}{4}$ sec.cor.; which I destroy.
 - 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished standard $\frac{1}{4}$ sec.cor., marked on brass cap,
 1915 in S.rim;
 $\frac{1}{4}$ S 33 in N.half;
 and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high,N. of cor. Pits impracticable.
 - 56.23 Wash,10 lks.wide, course NW. 319 ft. below ridge.
Ascend.
 - 61.55 Fence brs.N.and S. woven wire.
 - 67.65 Fence brs. N.and S. woven wire.
 - 77.79 The original standard cor., which I destroy.
 - 80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for reestablished standard cor. of secs. 32 and 33, marked on brass cap,
 1915 in S.rim;
 T 13 N R 7 W in N.half;
 S 32 in NW., and
 S 33 in NE. quadrant; and raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft. high,N.of cor. Pits impracticable.
- Land, mountainous.
 Soil, rocky, 4th rate. Huge granite boulders.
 No timber.
 Undergrowth,oak, mountain mahogany and catclaw.
 Poor grass.
 This cor.is 168 ft. above wash.
 March 1, 1915.

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- March 5, 1915: At 8h.00m. a.m..l.m.t., I set off 34° 25' N. on the latitude arc; 6° 16 $\frac{1}{2}$ ' S. on the decl. arc; and determine a meridian with the solar at the reestablished standard cor.of secs. 32 and 33.
 Thence I run,
 West,on south bdy.of sec.32.
 Ascend through scattering brush.
- 31.41 Top of Grayback Mountain 793 ft. above cor. NW. and SE.; descend.
 - 37.00 Original standard $\frac{1}{4}$ sec.cor., which I destroy.
 - 40.00 Set an iron post 3 ft.long 1 in.in diam., in a mound of stone for reestablished standard $\frac{1}{4}$ sec.cor., marked on brass cap,
 1915 in S.rim;
 $\frac{1}{4}$ S 32 in N.half; and raise a mound of stone 2 ft.base,1 $\frac{1}{2}$ ft.high,N.of cor. Pits impracticable.
 - 76.78 Original standard cor., which I destroy.
 - 80.00 Set an iron post 3 ft.long,3 ins.in diam.,in a mound of stone for reestablished standard cor.of secs. 31 and 32,marked on brass cap,
 1915 on S.rim;
 T 13 N R 7 W in N.half;
 S 31 in NW., and
 S 32 in NE. quadrant; and raise a mound of stone 2 ft.base,1 $\frac{1}{2}$ ft.high,N.of cor. Pits impracticable.
- 777 ft. below top of mountain.
 Land,mountainous.
 Soil, rocky, 4th rate. Huge granite boulders
 No timber.
 Undergrowth, oak and mountain mahogany.
 Poor grass. March 5, 1915.

4. Resurvey of the Third Standard Parallel N.thru.Rg.7 W.
Chains.

- March 6, 1915: At 8h.00m. a.m., l.m.t., I set off $34^{\circ} 25'$ N. on the lat.arc; $5^{\circ} 53\frac{1}{2}'$ S. on the decl.arc; and determine a meridian with the solar at the reestablished standard cor.of secs. 31 and 32.
- Thence I run,
West, on south bdy. of sec.31.
Descend over rough broken land, through dense brush.
- 35.97 Wash, 20 lks.wide, course N.124 ft. below cor. Ascend SE. slope.
- 36.70 Original standard $\frac{1}{4}$ sec.cor., which I destroy!
- 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished standard $\frac{1}{4}$ sec.cor., marked on brass cap,
1915 in S.rim;
 $\frac{1}{4}$ S 31 in N.half; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft. high, N.of cor. Pits impracticable.
- 76.65 The original standard cor. of Ts. 13 N., Rs.7 and 8 W., which is an iron post 3 ins. in diam., 12 ins. above ground, with brass cap, marked and witnessed as described by the Surveyor General.
585 ft. above wash.
Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, oak and mountain mahogany.
Poor grass.
- March 6; At this cor. I set off $5^{\circ} 50'$ S. on the decl.arc; and observe the sun on the meridian at noon; the resulting latitude is $34^{\circ} 25'$ N.
- March 6, 1915.
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Subdivision of Tp. 13 N. Rg. 7 W.

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Chains.

Survey commenced February 21, 1915, and executed with an A. Lietz light mountain transit, No. 6166, with solar attachment. For description of instrument, certificate of approval and field test for adjustments of transit and solar, see notes of the survey of the fractional east boundary of Tp. 13 N. Rg. 7 W.

- February 23, 1915: At 7h. 30m. a.m., l.m.t., I set off $34^{\circ} 25'$ N. on the lat. arc; $10^{\circ} 01\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 35 and 36 on the S. bdy. of the Tp., re-established by me, as hereinbefore described. Thence I run N. $0^{\circ} 01'$ W. bet. secs. 35 and 36.
Ascend rough broken S. slope.
- 11.52 Ridge bears N. W. and S. E. 193 ft. above cor. Descend broken N. E. slope.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., in a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S35 in W. and
S36 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
- 73.25 Wash 15 lks. wide course N. E. 524 ft. below ridge. Ascend.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 25, 26, 35 and 36, marked on brass cap
1915 on S. rim;
T13NR7W in N. half;
S26 in N. W.
S25 in N. E.
S36 in S. E. and
S35 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
28 ft. above wash.
Land, mountainous.
Soil, rocky; 4th. rate. covered with huge granite boulders
No timber.
Undergrowth, oak, catclaw, mtn. mahogany.
Poor grass.
- February 23: At this cor. I set off $9^{\circ} 59'$ S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ} 25\frac{1}{2}'$ N.
-
- 40.00 East on a random line bet. secs. 25 and 36.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect E. bdy. of Tp. 16 lks. S. of the cor. of secs. 25, 30, 31 and 36, which is an iron post 3 ins. diam., 12 ins. above ground, with brass cap, marked and witnessed as described by the surveyor general.
Thence I run
S. $89^{\circ} 53'$ W. on a true line bet. secs. 25 and 36.
- 2.50 Wash 15 lks. wide course S. E. Ascend N. E. slope.
- 40.05 Set an iron post 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S25 in N. and
S36 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
- 75.20 Wash 15 lks. wide course N. E.
- 80.10 The cor. of secs. 25, 26, 35 and 36.
207 ft. above E. bdy.
Land, mountainous.
Soil, rocky; 4th. rate.

Chains.

No timber.
Undergrowth, oak, catclaw, mtn. mahogany.
Poor grass.

February 23, 1915.

February 24, 1915.

N. $0^{\circ} 01'$ W. bet. secs. 25 and 26.

Along rough E. slope, through scattering brush.

11.59 Wash 15 lks. wide course E. 104 ft. below cor.

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

1915 on S. rim;

 $\frac{1}{4}$ S26 in W. and

S25 in E. half; and raise a mound of stone 2 ft.

base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

44.00 Ridge bears E. and W. 81 ft. above wash.

58.96 Spur, br. NW. 21 ft. above ridge. Descend.

74.45 Telephone line bears E. and W.

75.75 Road bears E. and W.

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

1915 on S. rim;

T13NR7W in N. half;

S23 in N. W.

S24 in N. E.

S25 in S. E. and

S26 in S. W. quadrant; and raise a mound of stone

2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

197 ft. below spur.

Land, mountainous.

Soil, rocky; 4th. date.

No timber.

Undergrowth, oak and catclaw.

February 24, 1915.

February 25, 1915.

N. $89^{\circ} 53'$ E. on a random line bet. secs. 24 and 25.40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect E. bdy. of Tp. 16 lks. S. of the cor. of secs. 19, 24, 25 and 30, an iron post with brass cap, marked & witnessed, as described by the Surveyor General.

S. $89^{\circ} 46'$ W. on a true line bet. secs. 24 and 25.

Over rolling land, through scattering brush.

11.85 Dim road bears N. W. and S. E.

12.35 Top of knoll.

18.85 Wash 10 lks. wide course N. Ascend.

39.95 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

1915 on S. rim;

 $\frac{1}{4}$ S24 in N. and

S25 in S. half; and raise a mound of stone 2 ft.

base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

46.35 Ridge bears N. W. and S. E. 117 ft. above wash. Descend.

71.20 Wash 10 lks. wide course N. W. 220 ft. below ridge.

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

29 ft. above wash.

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, oak and catclaw.

Poor grass.

February 25, 1915.

Subdivision of Tp. 13 N. Rg. 7 W.

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Chains.	
	<p>March 15, 1915: At 7h. 30m. a.m., l.m.t., I set off $34^{\circ} 26\frac{1}{2}'$ N. on the lat. arc; $2^{\circ} 22'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 23, 24, 25 and 26.</p> <p>Thence I run N. $0^{\circ} 01'$ W. bet. secs. 23 and 24. Slight descent</p>
4.59	Wash 15 lks. wide course N. W. ascend steep S. W. slope through dense brush.
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 1915 on S. rim; $\frac{1}{4}$ S23 in W. and S24 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
42.00	Ridge bears N. W. and S. E. 518 ft. above wash, and along rough E. slope.
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 1915 on S. rim; T13NR7W in N. half; S14 in N. W. S13 in N. E. S24 in S. E. and S23 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. 238 ft. below ridge.
	<p>March 15; At this cor. I set off $2^{\circ} 19'$ S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ} 26\frac{1}{2}'$ N.</p> <p>Land, mountainous. Soil, rocky; 4th. rate. Huge granite boulders. No timber. Undergrowth, catclaw and mtn. mahogany. Poor grass.</p>
	<p>N. $89^{\circ} 46'$ E. on a random line bet. secs. 13 and 24.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.86	Intersect E. bdy. of Tp. 2 lks. S. of the cor. of secs. 13, 18, 19 and 24, established by me; as described in Book "A." Thence I run, S. $89^{\circ} 45'$ W. on a true line bet. secs. 13 and 24. Over rolling land covered with huge granite boulders, through dense brush.
2.50	Cross wash 10 lks. wide course N. W.
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 1915 on S. rim; $\frac{1}{4}$ S13 in N. and S24 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
45.88	Wash 20 lks. wide course S. W. ascend.
62.63	Spur, brs. SE. 143 ft. above wash. Descend.
70.93	Wash 40 lks. wide course N. W. 175 ft. below spur. Ascend.
79.86	The cor. of secs. 13, 14, 23 and 24. 184 ft. above wash. Land, mountainous. Soil, rocky; 4th. rate. Huge granite boulders. No timber. Undergrowth, oak, catclaw and mtn. mahogany. Fair grass.

March 15, 1915.

March 16, 1915; At 7h. 30m. a.m., l.m.t., I set off 34°

Chains.

27 $\frac{1}{4}$ ' N. on the lat. arc; 1° 58 $\frac{1}{2}$ ' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24.

Thence I run
 N. 0° 01' W. bet. secs. 13 and 14.
 Descend N. E. slope, through scattering brush.

11.60 Wash 50 lks. wide course N. W. Ascend. 99 ft. below cor.
 22.50 Spur, ~~N.~~ NW. 197 ft. above wash. Gradual descent.
 33.40 Ascend steep S. slope.
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S14 in W. and
 S13 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

53.38 Ridge bears N. W. and S. E. 427 ft. above spur. Descend.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 11, 12, 13 and 14, marked on brass cap
 1915 on S. rim;
 T13NR7W in N. half;
 S11 in N. W.
 S12 in N. E.
 S13 in S. E. and
 S14 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 507 ft. below ridge.
 Land, mountainous.
 Soil, rocky; 4th. rate. Huge granite boulders.
 No timber.
 Undergrowth, oak, mtn. mahogany and catclaw.
 Fair grass.
 March 16: At this cor. I set off 1° 55' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 28 $\frac{1}{2}$ ' N.

40.00 N. 89° 45' E. on a random line bet. secs. 12 and 13.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.84 Intersect E. bdy. of Tp. at the cor. of secs. 7, 12, 13 and 18, established by me as described in Book "A."
 Thence I run
 S. 89° 45' W. on a true line bet. secs. 12 and 13.
 Ascend N. E. slope through scattering brush.

36.40 Ridge bears N. and S. and over broken land. 383 ft. above E. bdy.
 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
 1915 on S. rim;
 $\frac{1}{4}$ S12 in N. and
 S13 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

54.70 Ridge bears N. and S. 85 ft. below last ridge.
 79.84 The cor. of secs. 11, 12, 13 and 14.
 340 ft. below last ridge.
 Land, mountainous.
 Soil, rocky; 4th. rate. Huge granite boulders.
 No timber.
 Undergrowth, oak, catclaw and mtn. mahogany.
 Poor grass.

March 30, 1915; At 7h. 30m. a.m., l.m.t., I set off 34° 28 $\frac{1}{2}$ ' N. on the lat. arc; 3° 32' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 11, 12, 13 and 14.
 Thence I run

Subdivision of Tp. 13 N. Rg. 7 W.

Chains. N. 0° 01' W. bet. secs. 11 and 12.
 Along W. slope gradually descending, through scattering brush.
 14.90 90 ft. below cor. Ascend.
 37.00 Ridge bears N. W. and S. E. 454 ft. above 14.90 pt.
 Descend.
 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
 1915 on S. rim;
 $\frac{1}{4}$ S11 in W. and
 S12 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 1, 2, 11 and 12, marked on brass cap
 1915 on S. rim;
 T13NR7W in N. half;
 S2 in N. W.
 S1 in N. E.
 S12 in S. E. and
 S11 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 708 ft. below ridge.
 Land, mountainous.
 Soil, rocky; 4th. rate. Huge granite boulders.
 No timber.
 Undergrowth, oak, catclaw and mtn. mahogany.
 Poor grass.
 March 30: At this cor. I set off 3° 35 $\frac{1}{2}$ ' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 29' N.

40.00 N. 89° 45' E. on a random line bet. secs. 1 and 12.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect E. bdy. of Tp. 2 lks. N. of the cor. of secs. 1, 6, 7 and 12, established by me as described in Book "A"
 Thence I run
 S. 89° 46' W. on a true line bet. secs. 1 and 12.
 Descend, through scattering brush.
 27.50 Wash 20 lks. wide course N. 532 ft. below E. bdy. Ascend.
 39.95 Set an iron post 3 ft. long, 1 in. diam., in a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S1 in N. and
 S12 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 40.55 Spur, brs. N. 146 ft. above wash. Descend.
 72.55 Wash 20 lks. wide course N. E. 458 ft. below spur. Ascend.
 79.90 The cor. of secs. 1, 2, 11 and 12.
 58 ft. above wash.
 Land, mountainous.
 Soil, rocky, 4th rate; huge granite boulders.
 No timber. Undergrowth, oak, catclaw and mountain mahogany.
 Poor grass. March 30, 1915.

April 1, 1915; At 7h. 30m. a.m., l.m.t., I set off 34° 29' N. on the lat. arc; 4° 18 $\frac{1}{2}$ ' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 11 and 12.
 Thence I run
 N. 0° 01' W., on a true line, bet. secs. 1 and 2.
 Descend over broken land, through scattering brush.
 30.65 Wash 15 lks. wide course N. W. 207 ft. below cor.
 36.27 Wash 25 lks. wide course N. W. 247 ft. below cor. Ascend.
 40.00 Set an iron post 3 ft. long, 1 in. diam., in a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S2 in W. and

Chains.

51.00
59.45
82.06

S1 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Ridge bears N. W. and S. E. 147 ft. above wash. Descend. Spur, brs. E.

Intersect S. bdy. of Tp. 14 N. Rg. 7 W. 224 lks. W. of the cor. of secs. 35 and 36, which is a stone, firmly set in the ground, marked and witnessed as described by the surveyor general. I move mound of stone N. of cor. At point of intersection I

Set an iron post 3 ft. long, 2 ins. diam., 20 ins. in the ground, in a mound of stone, for closing cor. of secs. 1 and 2, marked on brass cap

1915 on S. rim;
T14NR7W S35 S36 in N. and
T13NR7W in S. half;
CC S. of center;
S1 in S. E. and
S2 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, S. of cor. Pits impracticable.

Land, mountainous.
Soil, rocky; 4th. rate. Huge granite boulders.
No timber.
Undergrowth, catclaw and mtn. mahogany.
Fair grass.

April 1, 1915.

6.95
40.00

February 24, 1915; At 8h. 00m. a.m., l.m.t., I set off $34^{\circ} 25'$ N. on the lat. arc; $9^{\circ} 40'$ S. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 34 and 35 on the S. bdy. of the Tp., re-established by me as hereinbefore described. Thence I run, N. $0^{\circ} 01'$ W. bet. secs. 34 and 35.

Descend, through scattering brush.

Wash 20 lks. wide course S. W. 73 ft. below cor. Ascend.

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

1915 on S. rim;
 $\frac{1}{4}$ S34 in W. and
S35 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

Ridge bears E. and W. 425 ft. above wash. Descend.

Wash 10 lks. wide course S. W. 89 ft. below ridge. Ascend.

Top knoll 154 ft. above wash. Descend.

34 ft. below knoll. Ascend.

Ridge bears E. and W. 104 ft. above 64.94 pt. Descend.

Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35, marked on brass cap

1915 on S. rim;
T13NR7W in N. half;
S27 in N. W.
S26 in N. E.
S35 in S. E. and
S34 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

169 ft. below ridge.

Land, mountainous.
Soil, rocky; 4th. rate. Huge granite boulders.
No timber.
Undergrowth, oak and mtn. mahogany.
Poor grass.

February 24: At this cor. I set off $9^{\circ} 37'$ S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ} 25\frac{1}{2}'$ N.

Subdivision of Tn. 13 N. Rg. 7 W.

Chains. East on a random line bet. secs. 26 and 35.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect N. and S. line 9 lks. N. of the cor. of secs. 25, 26, 35 and 36.
 Thence I run
 N. $89^{\circ} 56'$ W. on a true line bet. secs. 26 and 35.
 Ascend through scattering brush.
 40.01 Set an iron post 3 ft. long, 1 in. diam., 10 ins. in the ground in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim.
 $\frac{1}{4}$ S26 in N. and
 S35 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 This cor. is in saddle on top of ridge 350 ft. above sec. cor. and from it empty house bears N. $32^{\circ} 34'$ W.
 Descend.
 57.25 Wash 15 lks. wide course N. E. 197 ft. below ridge.
 Along N. slope.
 62.00 Spur, brs. N. 46 ft. above wash. Descend.
 80.02 The cor. of secs. 26, 27, 34 and 35.
 Land, mountainous.
 Soil, rocky; 4th. rate. Huge granite boulders.
 No timber.
 Undergrowth, catclaw, oak and mtn. mahogany.
 Poor grass.

February 24, 1915.

February 25, 1915; At 8h. 00m. a.m., l.m.t., I set off $34^{\circ} 25'$ N. on the lat. arc; $9^{\circ} 17\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 26, 27, 34 and 35.
 Thence I run
 N. $0^{\circ} 01'$ W. bet. secs. 26 and 27.
 Descend rough N. slope, through scattering brush.
 30.15 Wash 10 lks. wide course N. W. 572 ft. below cor.
 Ascend.
 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
 1915 on S. rim;
 $\frac{1}{4}$ S27 in W. and
 S26 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 43.45 Spur, brs. W. 123 ft. above wash. Descend.
 58.10 Wash 10 lks. wide course W. 177 ft. below spur. and over rolling land.
 69.90 Wash 20 lks. wide course W.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 22, 23, 26 and 27, marked on brass cap
 1915 on S. rim;
 T13NR7W in N. half;
 S22 in N. W.
 S23 in N. E.
 S26 in S. E. and
 S27 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 Land, mountainous and rolling.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, catclaw, oak and mtn. mahogany.
 Poor grass.

S. $89^{\circ} 56'$ E. on a random line bet. secs. 23 and 26.

Chains.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line 7 lks. S. of the cor. of secs. 23, 24, 25 and 26.
 Thence I run
 N. $89^{\circ} 59'$ W. on a true line bet. secs. 23 and 26.
 Over rolling land, through scattering brush.
 6.00 Road bears N. W. and S. E.
 9.00 Telephone line bears N. W. and S. E.
 31.55 Descend.
 39.98 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
 $\frac{1}{4}$ 1915 on S. rim;
 $\frac{1}{4}$ S23 in N. and
 S26 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 46.40 Wash 10 lks. wide course N. W. 135 ft. below 31.55 pt. Ascend.
 61.60 Ridge bears N. W. and S. E. 49 ft. above wash. Descend.
 69.68 114 ft. below ridge. Ascend.
 76.65 Ridge bears N. and S. 100 ft. above 69.68 pt.
 79.96 The cor. of secs. 22, 23, 26 and 27. 37 ft. below ridge. From this cor. empty house bears S. $73^{\circ} 06'$ W. Land, rolling and mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, oak and catclaw. Poor grass.

February 25, 1915.

March 17, 1915: At 7h. 30m. a.m., lm.t., I set off $34^{\circ} 26\frac{1}{2}'$ N. on the lat. arc; $1^{\circ} 35'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 22, 23, 26 and 27.
 Thence I run
 N. $0^{\circ} 01'$ W. bet. secs. 22 and 23.
 Over rolling hills ascending, through scattering brush.
 15.48 Telephone line E. and W.
 25.54 Ridge bears E. and W. 87 ft. above cor. Descend.
 36.21 Road bears N. W. and S. E.
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S22 in W. and
 S23 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 40.72 Wash 35 lks. wide course N. W. 300 ft. below ridge. Ascend, over huge granite boulders.
 55.57 Spur W. 262 ft. above wash.
 66.46 Spur W. 313 ft. above wash. Descend.
 69.99 Wash 10 lks. wide course N. W. 105 ft. below spur.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 14, 15, 22 and 23, marked on brass cap
 1915 on S. rim;
 T13NR7W in N. half;
 S15 in N. W.
 S14 in N. E.
 S23 in S. E. and
 S22 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 97 ft. above wash.
 Land, mountainous and hilly.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, catclaw and oak.
 Poor grass.
 March 17; At this cor. I set off $1^{\circ} 31\frac{1}{2}'$ S. on the decl.

Subdivision of Tp. 13 N. Rg. 7 W.

Chains.

arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 27 $\frac{1}{2}$ ' N.

40.00 S. 89° 59' E. on a random line bet. secs. 14 and 23.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect N. and S. line 19 lks. S. of the cor. of secs. 13, 14, 23 and 24.
 Thence I run
 S. 89° 53' W. on a true line bet. secs. 14 and 23.
 Ascend, through scattering brush.
 14.43 Ridge bears N. and S. 71 ft. above cor. Descend.
 30.10 Wash 20 N. W. 373 ft. below ridge. Ascend.
 40.05 Set an iron post 3 ft. long, 1 in. diam., in a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S14 in N. and
 S23 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 49.87 Ridge bears N. and S. 200 ft. above wash. Descend.
 80.10 The cor. of secs. 14, 15, 22 and 23.
 272 ft. below ridge.
 Land, mountainous.
 Soil, rocky; 4th. rate. Huge granite boulders.
 No timber.
 Undergrowth, catclaw and mtn. mahogany.
 Fair grass.

March 17, 1915.

March 18, 1915; At 7h. 30m. a.m., l.m.t., I set off 34° 27 $\frac{1}{2}$ ' N. on the lat. arc; 1° 11' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 14, 15, 22 and 23.
 Thence I run
 N. 0° 01' W. bet. secs. 14 and 15.
 Over rough broken land, huge granite boulders, descending through scattering brush.
 28.83 Wash 20 lks. wide course N. W. 304 ft. below cor. Ascend.
 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
 1915 on S. rim;
 $\frac{1}{4}$ S15 in W. and
 S14 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 41.40 Wash 10 lks. wide course W.
 65.67 Ridge bears N. W. and S. E. 305 ft. above 1st. wash. Descend.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 10, 11, 14 and 15, marked on brass cap
 1915 on S. rim;
 T13NR7W in N. half;
 S10 in N. W.
 S11 in N. E.
 S14 in S. E. and
 S15 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 118 ft. below ridge.
 Land, mountainous.
 Soil, rocky; 4th. rate. Huge granite boulders.
 No timber.
 Undergrowth, catclaw, oak and mtn. mahogany.
 Poor grass.
 March 18; At this cor. I set off 1° 08' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 28 $\frac{1}{2}$ ' N.

14

Subdivision of Tp. 13 N. Rg. 7 W.

Chains.

N. $89^{\circ} 53'$ E. on a random line bet. secs. 11 and 14.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.08 Intersect N. and S. line 5 lks. S. of the cor. of secs. 11, 12, 13 and 14.
 Thence I run
 S. $89^{\circ} 51'$ W. on a true line bet. secs. 11 and 14.
 Descending, through scattering brush.
 17.81 Wash 15 lks. wide course S. W. 244 ft. below cor.
 22.20 Wash 20 lks. wide course S. W. 367 ft. below cor.
 Ascend over broken country, huge granite boulders.
 38.60 Granite ridge about 100 ft. above wash, bears N. and S.
 Descend.
 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
 1915 on S. rim;
 $\frac{1}{4}$ S11 in N. and
 S14 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 59.94 Wash 30 lks. wide course N. W. 537 ft. below cor. Ascend.
 80.08 The cor. of secs. 10, 11, 14 and 15.
 72 ft. above wash.
 Land, mountainous.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, oak, catclaw and mtn. mahogany.
 Poor grass.

March 18, 1915.

March 31, 1915; At 7h. 00m. a.m., l.m.t., I set off $34^{\circ} 28\frac{1}{2}'$ N. on the lat. arc; $3^{\circ} 55'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 10, 11, 14 and 15.
 Thence I run
 N. $0^{\circ} 01'$ W. bet. secs. 10 and 11.
 Ascend. Scattering brush.
 6.12 Ridge bears E. and W. 41 ft. above cor. descend.
 12.71 Wash 10 lks. wide course S. W. 87 ft. below ridge.
 26.15 Wash 30 lks. wide course N. W. ascend.
 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
 1915 on S. rim;
 $\frac{1}{4}$ S10 in W. and
 S11 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 60.02 Spur, brs. W. 403 ft. above 1st. wash. Descend.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 2, 3, 10 and 11, marked on brass cap
 1915 on S. rim;
 T13NR7W in N. half;
 S3 in N. W.
 S2 in N. E.
 S11 in S. E. and
 S10 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 149 ft. below spur.
 Land, mountainous.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, oak and catclaw.
 Fair grass.
 March 31: At this cor. I set off $3^{\circ} 58\frac{1}{2}'$ N. on the decl. arc; and observe the sun on the meridian at noon; the

Chains. resulting lat. is 34° 29' N.

40.00 N. 89° 51' E. on a random line bet. secs. 2 and 11.
Set temp. $\frac{1}{4}$ sec. cor.

80.14 Intersect N. and S. line 2 lks. N. of the cor. of secs. 1, 2, 11 and 12.
Thence I run
S. 89° 52' W. on a true line bet. secs. 2 and 11.
Ascending along N. E. slope, through scattering brush.

22.56 Wash 10 lks. wide course N. E. 47 ft. above cor.
Ascend E. slope of peak.

40.07 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S2 in N. and
S11 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

41.64 Top of peak 547 ft. above wash. Descend.

46.50 30 ft. below peak. Thence along N. E. slope of high ridge, ascending.

63.30 Ridge bears N. W. and S. E. 185 ft. above 46.50 pt.
Descend.

80.14 The cor. of secs. 2, 3, 10 and 11.
499 ft. below ridge.
Land, mountainous.
Soil, rocky; 4th. rate.
No timber.
Undergrowth, oak, catclaw and mtn. mahogany.
Fair grass.

March 31, 1915.

April 1, 1915.

N. 0° 01' W. on a true line, bet. secs. 2 and 3.
Ascend through scattering brush.

19.00 Top of peak. Range bears N. W. and S. E. 148 ft. above cor. Descend.

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
1915 on S. rim;
 $\frac{1}{4}$ S3 in W. and
S2 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

68.19 Wash 10 lks. wide course N. E. 1117 ft. below ridge.
Ascend.

82.23 Intersect S. bdy. of Tp. 14 N. Rg. 7 W. 223 lks. W. of the cor. of secs. 34 and 35, which is a rock in place marked and witnessed as described by the surveyor general. I move mound of stone N. of cor.
At point of intersection, I
Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 2 and 3, marked on brass cap
1915 on S. rim;
T14NR7W S34 S35 in N. and
T13NR7W in S. half;
CC S. of center;
S2 in S. E. and
S3 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, S. of cor. Pits impracticable.
50 ft. above wash.
Land, mountainous.
Soil, rocky; 4th. rate.
No timber.
Undergrowth, oak and mtn. mahogany.
Poor grass.

16

Subdivision of Tp. 13 N. Rg. 7 W.

Chains.

April 1, 1915.

February 26, 1915:

From the standard cor. of secs. 33 and 34 on the S. bdy. of the Tp., reestablished by me as hereinbefore described; I run,

N. $0^{\circ} 02'$ W. bet. secs. 33 and 34.

Ascend, through scattering brush.

8.38 Spn, brs E. 126 ft. above cor. Descend.

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

1915 on S. rim;

$\frac{1}{4}$ S33 in W. and

S34 in E. half; and raise a mound of stone 2 ft.

base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

49.25 Wash 10 lks. wide course S. W. 623 ft. below spur.

Ascend.

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

1915 on S. rim;

T13NR7W in N. half;

S28 in N. W.

S27 in N. E.

S34 in S. E. and

S33 in S. W. quadrant; and raise a mound of stone

2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

This cor. sits on top of ridge 463 ft. above wash.

Land, mountainous.

Soil, rocky; 4th. rate. Huge granite boulders.

No timber.

Undergrowth, oak and mtn. mahogany.

Poor grass.

February 26, 1915.

February 27, 1915; At 7h. 30m. a.m., l.m.t., I set off $34^{\circ} 25\frac{1}{2}'$ N. on the lat. arc; $8^{\circ} 33'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 27, 28, 33 and 34.

Thence I run

East on a random line bet. secs. 27 and 34.

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

80.08 Intersect N. and S. line 5 lks. N. of the cor. of secs. 26, 27, 34 and 35.

Thence I run

N. $89^{\circ} 58'$ W. on a true line bet. secs. 27 and 34.

Along rough N. slope.

33.25 Wash 10 lks. wide course N. 190 ft. below cor. Ascend.

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

1915 on S. rim;

$\frac{1}{4}$ S27 in N. and

S34 in S. half; and raise a mound of stone 2 ft.

base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

76.00 Ridge bears N. and S. 256 ft. above wash. Descend.

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

58 ft. below ridge.

Land, mountainous.

Soil, rocky; 4th. rate. Huge granite boulders.

Undergrowth, oak and mtn. mahogany.

Poor grass.

Chains.	N. $0^{\circ} 02'$ W. bet. secs. 27 and 28. Descend, through dense brush.
19.90	Wash 10 lks. wide course NW. 532 ft. below cor. Ascend along S. W. slope, brush becomes scattering.
34.00	130 ft. above wash. Descend N. W. slope.
40.00	Set an iron post 3 ft. long, 1 in. diam., in a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S28 in W. and S27 in E. half; 1915 on S. rim; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
48.06	Wash 15 lks. wide course N. E. 332 ft. below 34.00 pt. and over broken land, gradually descending.
55.50	Wash 10 lks. wide course N. W.
62.90	Wash 10 lks. wide course N. E.
68.15	Wash 15 lks. wide course N. W.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 21, 22, 27 and 28, marked on brass cap 1915 on S. rim; T13NR7W in N. half; S21 in N. W. S22 in N. E. S27 in S. E. and S28 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, oak and mtn. mahogany. February 27; At this cor. I set off $8^{\circ} 30\frac{1}{2}'$ S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ} 26\frac{1}{2}'$ N.
40.00	S. $89^{\circ} 58'$ E. on a random line bet. secs. 22 and 27. Set temp. $\frac{1}{4}$ sec. cor.
80.20	Intersect N. and S. line 7 lks. S. of the cor. of secs. 22, 23, 26 and 27. Thence I run S. $89^{\circ} 59'$ W. on a true line bet. secs. 22 and 27. Descend, scattering brush.
9.50	Wash 20 lks. wide course N. 69 ft. below cor. Ascend.
40.10	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 1915 on S. rim; $\frac{1}{4}$ S22 in N. and S27 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
46.09	Ridge bears N. and S. 250 ft. above wash. Descend.
80.20	The cor. of secs. 21, 22, 27 and 28. 468 ft. below ridge. Land, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, oak and catclaw. Poor grass.
	February 27, 1915.
	March 19, 1915; At 7h. 30m. a.m., l.m.t., I set off 34° $26\frac{1}{2}'$ N. on the lat. arc; $0^{\circ} 47\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27 and 28. Thence I run N. $0^{\circ} 02'$ W. bet. secs. 21 and 22. Descending through scattering brush.

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Subdivision of Tp. 13 N. Rg. 7 W.

Chains.	
37.96	Wash 40 lks. wide course S. W. 266 ft. below cor.
40.00	Set an iron post 3 ft. long, 1 in. diam., in a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S21 in W. and S22 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
51.90	Telephone line bears N. W. and S. E.
70.88	Road bears N. W. and S. E.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 15, 16, 21 and 22, marked on brass cap 1915 on S. rim; T13NR7W in N. half; S16 in N. W. S15 in N. E. S22 in S. E. and S21 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous and rolling. Soil, rocky; 4th. rate. Undergrowth, paloverde catclaw and cactus. No timber. Fair grass. March 19: At this cor. I set off $0^{\circ} 44'$ S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ} 27\frac{1}{2}'$ N.
	N. $89^{\circ} 59'$ E. on a random line bet. secs. 15 and 22.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line 7 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run S. $89^{\circ} 56'$ W. on a true line bet. secs. 15 and 22. Descend, over huge granite boulders, scattering brush.
24.10	Wash 20 lks. wide course S. W. ascend. 218 ft. below cor.
27.80	Leave granite boulders.
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 1915 on S. rim; $\frac{1}{4}$ S15 in N. and S22 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
45.30	Ridge, brs. N. & S., 127 ft. above wash.
63.65	Ridge bears N. and S. 60 ft. below spur. descend.
79.98	The cor. of secs. 15, 16, 21 and 22. 141 ft. below ridge. Land, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, mtn. mahogany, oak and catclaw. Poor grass.
	March 19, 1915.
	March 20, 1915: At 7h. 30m. a.m., l.m.t., I set off $34^{\circ} 27\frac{1}{2}'$ N. on the lat. arc; $0^{\circ} 23\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 15, 16, 21 and 22 Thence I run N. $0^{\circ} 02'$ W. bet. secs. 15 and 16. Ascend through scattering brush.
11.86	Ridge bears E. and W. 60 ft. above cor. Descend.
29.88	Wash 60 lks. wide course W. 337 ft. below ridge. Ascend.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the

Subdivision of Tp. 13 N. Rg. 7 W.

Chains.

ground for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S16 in W. and
 S15 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 43.57 Spur, brs. W. 256 ft. above wash. descend.
 51.91 Wash, 20 lks. wide, course W. 106 ft. below spur. Ascend.
 76.70 Ridge bears E. and W. 260 ft. above wash. descend.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 9, 10, 15 and 16, marked on brass cap
 1915 on S. rim;
 T13NR7W in N. half;
 S9 in N. W.
 S10 in N. E.
 S15 in S. E. and
 S16 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 20 ft. below ridge.
 Land, mountainous.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, paloverde, catclaw and cactus.
 Fair grass.
 March 20: At this cor. I set off $0^{\circ}20\frac{1}{2}'$ S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ}28\frac{1}{2}'$ N.

N. $89^{\circ}56'$ E. on a random line bet. secs. 10 and 15.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.80 Intersect N. and S. line 5 lks. N. of the cor. of secs. 10, 11, 14 and 15.
 Thence I run
 S. $89^{\circ}58'$ W. on a true line bet. secs. 10 and 15.
 Over broken country, huge granite boulders, ascending, through scattering brush.
 11.90 Spur, brs. NW. 35 ft. above cor. Descend.
 29.84 Wash 20 lks. wide course S. W. 257 ft. below spur.
 Ascend.
 39.90 Set an iron post 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S10 in N. and
 S15 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 52.80 Spur, brs. SW. 140 ft. above wash. Descend. Leave boulders.
 79.80 The cor. of secs. 9, 10, 15 and 16.
 329 ft. below spur.
 Land, mountainous.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, Paloverde, catclaw, mtn. mahogany.

March 20, 1915.

April 2, 1915: At 7h. 00m. a.m., l.m.t., I set off $34^{\circ}28\frac{1}{2}'$ N. on the lat. arc; $4^{\circ}41\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 9, 10, 15 and 16.
 Thence I run
 N. $0^{\circ}02'$ W. bet. secs. 9 and 10.
 Descend gradual N. slope through scattering brush.
 8.73 Wash 15 lks. wide course W. ascend.
 14.64 Spur, brs. SW. 124 ft. above wash. Descend.
 18.16 60 ft. below spur. Ascend.
 28.08 Ridge bears N. W. and S. E. 34 ft. above 18.16 pt.

20

Subdivision of Tn. 13 N. Rg. 7 W.

Chains.	Descend.
37.10	Wash 15 lks. wide course N. W. 80 ft. below ridge. Ascend.
40.00	Set an iron post 3 ft. long, 1 in. diam., in a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S9 on W. and S10 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
45.15	Ridge bears N. E. and S. W. 106 ft. above wash.
49.07	Wash 10 lks. wide course S. W. 26 ft. below ridge. Ascend.
57.25	Ridge bears N. E. and S. W. 158 ft. above wash. Descend.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 3, 4, 9 and 10, marked on brass cap 1915 on S. rim; T13NR7W in N. half; S4 in N. W. S3 in N. E. S10 in S. E. and S9 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. 50 ft. below ridge. Land, mountainous. Soil, rocky; 4th. rate. Granite boulders. No timber. Undergrowth, oak and catclaw. Fair grass. April 2; At this cor. I set off $4^{\circ} 44\frac{1}{2}'$ N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ} 29'$ N.
40.00	N. $89^{\circ} 58'$ E. on a random line bet. secs. 3 and 10. Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect N. and S. line 23 lks. N. of the cor. of secs. 2, 3, 10 and 11. Thence I run N. $89^{\circ} 52'$ W. on a true line bet. secs. 3 and 10.
18.55	Descend along N. slope of ridge, scattering brush. Top of ridge about same elevation as cor. and along on top of ridge to
22.50	Descend, ridge bears E. and S. W.
39.90	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap 1915 on S. rim; $\frac{1}{4}$ S3 in N. and S10 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
40.15	Wash 5 lks. wide course N. W. 317 ft. below ridge. Ascend.
55.35	Ridge bears N. and S. 68 ft. above wash. descend.
79.80	The cor. of secs. 3, 4, 9 and 10. 221 ft. below ridge. Land, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, oak. Fair grass.

April 2, 1915.

April 5, 1915; At 7h. 00m. a.m., l.m.t., I set off $34^{\circ} 29'$ N. on the lat. arc; $5^{\circ} 50\frac{1}{2}'$ N. on the decl. arc; and at determine a meridian with the solar at the cor. of secs. 3, 4, 9 and 10.

Thence I run

N. $0^{\circ} 02'$ W. on a true line bet. secs. 3 and 4.

Subdivision of Tp. 13 N. Rg. 7 W.

Chains. Descend, through scattering brush.
 13.69 Wash 20 lks. wide course S. W. 120 ft. below cor. Ascend.
 21.50 Ridge bears N. E. and S. W. 225 ft. above wash. Descend.
 32.00 Wash 15 lks. wide course S. W. 76 ft. below ridge. Ascend.
 40.00 Set an iron post 3 ft. long, 1 in. diam., in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S4 in W. and
 S3 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 53.50 Ridge bears N. W. and S. E. 286 ft. above wash. Descend.
 74.64 Wash 15 lks. wide course N. W. 384 ft. below ridge. Ascend.
 82.00 Intersect S. bdy. of Tp. 14 N. Rg. 7 W. 177 lks. W. of the cor. of secs. 33 and 34, which is a stone firmly set in the ground, marked and witnessed as described by the surveyor general. I move mound of stone N. of cor. At point of intersection, I Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 3 and 4, marked on brass cap
 1915 on S. rim;
 T14NR7W S33 S34 in N. and
 T13NR7W in S. half;
 CC S. of center;
 S3 in S. E. and
 S4 in S. W. quadrant; and raise a mound of stone. 2 ft. base $1\frac{1}{2}$ ft. high, S. of cor. Pits impracticable. 10 ft. above wash.
 Land, mountainous.
 Soil, rocky; 4th. rate. Granite boulders.
 No timber.
 Undergrowth, oak and catclaw.
 Fair grass.

April 5, 1915.

March 4, 1915; At 7h. 30m. a.m., l.m.t., I set off 34° 25' N. on the lat. arc; 6° 39 $\frac{1}{2}$ ' S. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 32 and 33 on the S. bdy. of the Tp., reestablished by me, as hereinbefore described. Thence I run, N. 0° 02' W. bet. secs. 32 and 33.
 Descend rough N. E. slope.
 39.50 Set an iron post 3 ft. long, 1 in. diam., in a mound of stone for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 WC $\frac{1}{4}$ in N. half;
 S33 in S. E. and
 S32 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 40.00 Point for $\frac{1}{4}$ sec. cor. falls in wash 30 lks. wide course N. W. 302 ft. below cor. Ascend.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 28, 29, 32 and 33, marked on brass cap
 1915 on S. rim;
 T13NR7W in N. half;
 S29 in N. W.
 S28 in N. E.
 S33 in S. E. and
 S32 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. 303 ft. above wash.
 Land, mountainous;
 Soil, rocky; 4th. rate. Huge granite boulders.
 No timber.
 Undergrowth, mtn. mahogany and oak.
 Poor grass.

Chains.

March 4; At this cor. I set off $6^{\circ} 36\frac{1}{2}'$ S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ} 25\frac{1}{2}'$ N.

East on random line bet. secs. 28 and 33.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.12 Intersect N. and S. line at the cor. of secs. 27, 28, 33 and 34.
 Thence I run
 West on a true line bet. secs. 28 and 33.
 Ascend, through scattering brush.
 14.50 40 ft. above cor. descend.
 23.45 Wash 15 lks. wide course N. W. ascend.
 202 ft. below 14.50 pt.
 31.35 Ridge bears N. W. and S. E. 126 ft. above wash, and along on top of ridge.
 40.06 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S28 in N. and
 S33 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 64.00 Descend rough W. slope.
 80.12 The cor. of secs. 28, 29, 32 and 33.
 269 ft. below ridge.
 Land, mountainous.
 Soil, rocky; 4th. rate. Granite boulders.
 No timber.
 Undergrowth, oak, catclaw and mtn. mahogany.
 Poor grass.

March 4, 1915.

March 9, 1915; At 7h. 30m. a.m., l.m.t., I set off $34^{\circ} 25\frac{1}{2}'$ N. on the lat. arc; $4^{\circ} 43\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 28, 29, 32 and 33,

Thence I run
 N. $0^{\circ} 02'$ W. bet. secs. 28 and 29.
 Along rough N. W. slope, through scattering brush, over high granite boulders,
 11.79 Ridge bears N. W. and S. E. 48 ft. below cor. Descend.
 28.86 Wash 12 lks. wide course N. W. 306 ft. below ridge.
 34.95 Spur, brs. NW. 14 ft. above wash.
 38.40 Wash 10 lks. wide course N. W. 90 ft. below spur.
 40.00 Set an iron post 3 ft. long, 1 in. diam., 14 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S29 in W. and
 S28 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 54.20 Ridge bears E. and W. 141 ft. above wash.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 20, 21, 28 and 29, marked on brass cap
 1915 on S. rim;
 T13NR7W in N. half;
 S20 in N. W.
 S21 in N. E.
 S28 in S. E. and
 S29 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 217 ft. below ridge.
 Land, mountainous.
 Soil, rocky; 4th. rate. Huge granite boulders.

Chains.

No timber.
Undergrowth, oak and catclaw.
Poor grass.

March 9, 1915.

March 10, 1915. At 7h. 30m. a.m., l.m.t., I set off $34^{\circ} 26\frac{1}{2}'$ N. on the lat. arc; $4^{\circ} 20'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29.

- Thence I run East on a random line bet. secs. 21 and 28.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.16 Intersect N. and S. line 7 lks. S. of the cor. of secs. 21, 22, 27 and 28.
- Thence I run S. $89^{\circ} 57'$ W. on a true line bet. secs. 21 and 28. Descend over huge granite boulders; through scattering brush.
- 19.29 Wash 15 lks. wide course NW. 176 ft. below cor. Ascend.
- 27.55 Ridge bears N. and S. 188 ft. above wash. Descend.
- 37.26 Wash 15 lks. wide course N. E. 194 lks. below ridge. Ascend.
- 40.08 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
1915 on S. rim;
 $\frac{1}{4}$ S21 in N. and S28 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
- 48.79 Ridge bears N. and S. 204 ft. above wash.
- 62.53 Wash 20 lks. wide course N. W. 234 ft. below ridge. Ascend.
- 80.16 The cor. of secs. 20, 21, 28 and 29. 105 ft. above wash. Land, mountainous, very rough with piled up granite boulders of large size. No timber. Undergrowth, oak and mtn. mahogany. Poor grass.

March 10, 1915.

March 22, 1915; At 7h. 30m. a.m., l.m.t., I set off $34^{\circ} 26\frac{1}{2}'$ N. on the lat. arc; $0^{\circ} 23\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29.

- Thence I run N. $0^{\circ} 02'$ W. bet. secs. 20 and 21. Descend N. slope covered with huge granite boulders, through scattering brush.
- 20.20 Wash 20 lks. wide course W. 413 ft. below cor. Ascend.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., in a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S20 in W. and S21 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
- 53.15 Ridge bears N. W. and S. E. 223 ft. above wash. descend.
- 62.32 Wash 15 lks. wide course W. 167 ft. below ridge. Ascend.
- 68.88 Ridge bears E. and W. 88 ft. above wash. Descend.

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Subdivision of Tp. 13 N. Rg. 7 W.

Chains.

76.10 Wash 15 lks. wide course W. 184 ft. below ridge.
Ascend.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the
ground for cor. of secs. 16, 17, 20 and 21, marked on
brass cap
1915 on S. rim;
T13NR7W in N. half;
S17 in N. W.
S16 in N. E.
S21 in S. E. and
S20 in S. W. quadrant; and raise a mound of stone
2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Land, mountainous.
Soil, rocky; 4th. rate.
No timber.
Undergrowth, paloverde, catclaw, oak and mtn. mahogany.
Poor grass.
March 22: At this cor. I set off $0^{\circ}27'$ N. on the decl.
arc; and observe the sun on the meridian at noon; the
resulting lat. is $34^{\circ}27\frac{1}{2}'$ N.
82 ft. above wash.

N. $89^{\circ}57'$ E. on a random line bet. secs. 16 and 21.

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

80.00 Intersect N. and S. line at the cor. of secs. 15, 16, 21
and 22
Thence I run
S. $89^{\circ}57'$ W. on a true line bet. secs. 16 and 21.
Ascend.

6.31 ~~Springs~~ S. 70 ft. above cor.

11.93 Road bears N. and S.

21.83 Ridge bears N. and S. 78 ft. above cor. descend.

28.00 63 ft. below ridge, ascend.

38.60 Ridge bears N. and S. 30 ft. above 28.00 ch. pt.
Descend along ridge.

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
1915 on S. rim;
 $\frac{1}{4}$ S16 in N. and
S21 in S. half; and raise a mound of stone 2 ft.
base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

52.32 Telephone line bears S. E. and N. W.

73.68 Wash 10 lks. wide course S. W. 299 ft. below ridge. Asc.

80.00 The cor. of secs. 16, 17, 20 and 21.
57 ft. above wash.
Land, mountainous.
Soil, rocky; 4th. rate.
No timber.
Undergrowth, paloverde, ocatilla, catclaw.
Poor grass.

March, 22, 1915.

March 23, 1915: At 7h. 30m. a.m., l.m.t., I set off 34°
 $27\frac{1}{2}'$ N. on the lat. arc; $0^{\circ}47\frac{1}{2}'$ N. on the decl. arc;
and determine a meridian with the solar at the cor. of
secs. 16, 17, 20 and 21
Thence I run
N. $0^{\circ}02'$ W. bet. secs. 16 and 17
Ascend through scattering brush.

8.20 Ridge bears E. and W. 56 ft. above cor. Descend.

11.51 Telephone line bears E. and W.

18.67 Road bears E. and W.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the
ground for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S17 in W. and

Chains	
	S16 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
40.80	Wash 40 lks. wide course W. 340 ft. below ridge. Ascend.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 8, 9, 16 and 17, marked on brass cap
	1915 on S. rim;
	T13NR7W in N. half;
	S8 in N. W.
	S9 in N. E.
	S16 in S. E. and
	S17 in S. W. quadrant; and raise a mound of stone
	2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, rocky; 4th. rate.
	No timber.
	Undergrowth, paloverde and catclaw.
	Poor grass.
	March 23; At this cor. I set off $0^{\circ} 51'$ N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ} 28\frac{1}{2}'$ N.
	340 ft. above wash.
40.00	N. $89^{\circ} 57'$ E. on a random line bet. secs. 9 and 16.
80.04	Set temp. $\frac{1}{4}$ sec. cor.
	Intersect N. and S. line 5 lks. S. of the cor. of secs. 9, 10, 15 and 16.
	Thence I run
	S. $89^{\circ} 55'$ W. on a true line bet. secs. 9 and 16.
	Ascend.
15.20	Spur, brs. N. 10 ft. above cor. descend.
40.02	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
	1915 on S. rim;
	$\frac{1}{4}$ S9 in N. and
	S16 in S. half; and raise a mound of stone 2 ft.
	base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
43.86	Wash 10 lks. wide course S. W. 220 ft. below spur.
54.50	Spur, brs. S.
74.90	Ridge bears N. and S. 93 ft. above wash. Descend.
80.04	The cor. of secs. 8, 9, 16 and 17.
	65 ft. below ridge.
	Land, mountainous.
	Soil, rocky; 4th. rate.
	No timber.
	Undergrowth, paloverde and catclaw.
	Poor grass.
	March 23, 1915.
	April 3, 1915: At 7h. 00m. a.m., l.m.t., I set off $34^{\circ} 28\frac{1}{2}'$ N. on the lat. arc; $5^{\circ} 04\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 8, 9, 16 and 17.
	Thence I run
	N. $0^{\circ} 02'$ W. bet. secs. 8 and 9.
	Ascend through scattering brush.
4.44	Ridge bears E. and W. 51 ft. above cor. Descend.
5.73	15 ft. below ridge. Ascend.
24.08	Ridge bears E. and W. 151 ft. above 5.73 pt. Descend.
39.00	Wash 10 lks. wide course N. W. 92 ft. below widge.
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
	1915 on S. rim;
	$\frac{1}{4}$ S8 in W. and
	S9 in E. half; and raise a mound of stone 2 ft.

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Subdivision of Tp. 13 N. Rg. 7 W.

Chains. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 44.58 Spur, W. 53 ft. above wash. Descend.
 56.56 Wash 30 lks. wide course N. W. 128 ft. below spur.
 Ascend.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 10 ins. in the
 ground in a mound of stone, for cor. of secs. 4, 5, 8
 and 9, marked on brass cap
 1915 on S. rim;
 T13NR7W in N. half;
 S5 in N. W.
 S4 in N. E.
 S9 in S. E. and
 S8 in S. W. quadrant; and raise a mound of stone
 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 Land, mountainous.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, paloverde and catclaw.
 Poor grass.
 April 3: At this cor. I set off $5^{\circ} 08'$ N. on the decl.
 arc; and observe the sun on the meridian at noon; the
 resulting lat. is $34^{\circ} 29'$ N.
 150 ft. above wash.

N. $89^{\circ} 55'$ E. on a random line bet. secs. 4 and 9.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. and S. line 2 lks. S. of the cor. of secs.
 3, 4, 9 and 10.
 Thence I run
 S. $89^{\circ} 54'$ W. on a true line bet. secs. 4 and 9.
 Descend through scattering brush.
 18.56 Wash 20 lks. wide course S. W. 194 ft. below cor.
 Ascend.
 31.05 Ridge bears N. E. and S. W. 91 ft. above wash.
 39.95 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
 1915 on S. rim;
 $\frac{1}{4}$ S4 in N. and
 S9 in S. half; and raise a mound of stone 2 ft.
 base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 56.54 Ridge bears N. W. and S. E. 40 ft. above 31.05 pt.
 Descend S. W. slope.
 79.90 The cor. of secs. 4, 5, 8 and 9.
 267 ft. below ridge.
 Land, mountainous.
 Soil, rocky; 4th. rate.
 No timber
 Undergrowth, paloverde and catclaw.
 Poor grass.

April 3, 1915.

April 5, 1915.
 N. $0^{\circ} 02'$ W. on a true line, bet. secs. 4 and 5.
 Along W. slope, ascending, through scattering brush.
 19.25 Wash 15 lks. wide course W. 130 ft. below cor.
 29.73 Wash 15 lks. wide course S. W. 79 ft. below last wash.
 Ascend S. slope.
 40.00 Set an iron post 3 ft. long, 1 in. diam., in a mound of
 stone for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S5 in W. and
 S4 in E. half; and raise a mound of stone 2 ft. base
 base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 46.94 Ridge bears N. E. and S. W. 212 ft. above wash. Descend.
 52.35 Wash 15 lks. wide course S. W. 164 ft. below ridge.
 Ascend.

Chains.

57.26 Ridge bears N. E. and S. W. 151 ft. above wash.
 Descend.
 71.00 10 ft. below ridge. Ascend.
 82.32 Intersect S. bdy. of Tp. 14 N. Rg. 7 W. 142 lks. W. of
 the cor. of secs. 32 and 33, which is a stone, firmly
 set in the ground, marked and witnessed as described by
 the surveyor general. I move mound of stone N. of cor.
 At point of intersection, I
 Set an iron post 3 ft. long, 2 ins. diam., in a mound of
 stone for closing cor. of secs. 4 and 5, marked on
 brass cap
 1915 on S. rim;
 T14NR7W S32 S33 in N. half and
 T13NR7W in S. half;
 CC S. of center;
 S4 in S. E. and
 S5 in S. W. quadrant; and raise a mound of stone
 2 ft. base 1 1/2 ft. high, S. of cor. Pits impracticable.
 This cor. is on top ridge, bears E. and W. 72 ft. above
 71.00 pt.
 Land, mountainous.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, paloverde and catclaw.
 Poor grass.

April 5, 1915.

March 7, 1915; At 7h. 30m. a.m., l.m.t., I set off 34°
 25' N. on the lat. arc; 5° 30' S. on the decl. arc;
 and determine a meridian with the solar at the standard
 cor. of secs. 31 and 32 on the S. bdy. of the Tp., reestab-
 lished by me, as hereinbefore described. Thence I run,
 N. 0° 03' W. bet. secs. 31 and 32.
 Ascend rough broken S. slope, scattering brush.
 9.72 Spur, W. 251 ft. above cor. Descend.
 11.87 85 ft. below spur. Ascend.
 23.64 Ridge bears E. and W. 128 ft. above 11.87 pt. Descend.
 40.00 Set an iron post 3 ft. long, 1 in. diam., in a mound of
 stone for 1/4 sec. cor., marked on brass cap
 1915 on S. rim;
 1/4 S31 in W. and
 S32 in E. half; and raise a mound of stone 2 ft.
 base 1 1/2 ft. high, W. of cor. Pits impracticable.
 48.54 Wash 20 lks. wide course W. 507 ft. below ridge. Ascend.
 59.20 Ridge bears E. and W. 132 ft. above wash. Descend.
 72.75 Wash 20 lks. wide course W. 236 ft. below ridge. Ascend.
 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
 1915 on S. rim;
 T13NR7W in N. half;
 S30 in N. W.
 S29 in N. E.
 S32 in S. E. and
 S31 in S. W. quadrant; and raise a mound of stone
 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable.
 46 ft. above wash.
 Land, extremely rough and mountainous, covered with huge
 piled up granite boulders.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, mtn. mahogany and oak.
 Poor grass.

March 7, 1915.

Chains.

- March 8, 1915: At 7h. 30m. a.m., l.m.t., I set off $34^{\circ} 25\frac{1}{2}'$ N. on the lat. arc; $5^{\circ} 06\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 29, 30, 31 and 32
- Thence I run
East on a random line bet. secs. 29 and 32.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. and S. line 12 lks. S. of the cor. of secs. 28, 29, 32 and 33
- Thence I run
S. $89^{\circ} 55'$ W. on a true line bet. secs. 29 and 32.
Descend rough S. W. slope.
- 26.75 Wash 10 lks. wide course S. 364 ft. below cor. Ascend.
- 39.88 Ridge bears N. W. and S. E. 131 ft. above wash. Descend.
- 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
1915 on S. rim;
 $\frac{1}{4}$ S29 in N. and
S32 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
- 69.31 Wash 30 lks. wide course N. W. 300 ft. below ridge.
- 72.87 Spur, ~~brs~~N. 40 ft. above wash.
- 74.25 Same wash 30 lks. wide course S. W. 88 ft. below spur. Ascend.
- 80.00 The cor. of secs. 29, 30, 31 and 32.
90.ft. above wash.
Land, mountainous.
Soil, rocky; 4th. rate. Huge granite boulders.
No timber.
Undergrowth, oak and catclaw.
Poor grass.
- March 8; At this cor. I set off $5^{\circ} 03\frac{1}{2}'$ S on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ} 25\frac{1}{2}'$ N.
-
- West on a random line bet. secs. 30 and 31.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 76.58 Intersect W. bdy. of Tp. 2 lks. N. of the cor. of secs. 25, 30, 31 and 36, established by me, as described in Book "A." Thence I run,
N. $89^{\circ} 59'$ E. on a true line bet. secs. 30 and 31.
Along N. slope through dense brush.
- 30.72 Wash 10 lks. wide course N. W. 30 ft. above cor.
- 34.21 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in ground for witness cor. to $\frac{1}{4}$ sec. cor., mkd. on brass cap
1915 on S. rim;
WC $\frac{1}{4}$ in E. half;
S30 in N. W. and
S31 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
- 36.58 Point for $\frac{1}{4}$ sec. cor., falls in wash 10 lks. wide course S. W. Impracticable to set iron post at this point.
Ascend N. W. slope
- 44.65 Along rough N. slope
- 58.34 195 ft. above wash. Descend E. slope. Brush scattering.
- 64.88 Wash 40 lks. wide course N. W. 40 ft. below 58.34 pt. Ascend.
- 72.60 Spur, ~~brs~~S. 92 ft. above wash.
- 76.58 The cor. of secs. 29, 30, 31 and 32.
27 ft. below spur.
Land, mountainous.
Soil, rocky; 4th. rate.
No timber.
Undergrowth, oak, laurel, mtn. mahogany and catclaw.
Poor grass.

March 8, 1915.

Chains.

March 12, 1915: At 7h. 30m. a.m., l.m.t., I set off $34^{\circ} 25\frac{1}{2}'$ N. on the lat. arc; $3^{\circ} 33'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 29, 30, 31 and 32

Thence I run
 N. $0^{\circ} 03'$ W. bet. secs. 29 and 30.
 Ascend through scattering brush.

7.00 Top of ridge bears E. and W. 52 ft. above cor. Descend, huge granite boulders.

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
 1915 on S. rim;
 $\frac{1}{4}$ S30 in W. and
 S29 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

46.50 Leave boulders and slope becomes steeper.

58.05 Wash 20 lks. wide course N. E. 266 ft. below ridge.

73.66 Wash 15 lks. wide course N. W. 487 ft. below ridge.
 Ascend.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 19, 20, 29 and 30, marked on brass cap
 1915 on S. rim;
 T13NR7W in N. half;
 S19 in N. W.
 S20 in N. E.
 S29 in S. E. and
 S30 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 114 ft. above wash.
 Land, mountainous.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, oak and mtn. mahogany.
 Poor grass.

March 12: At this cor. I set off $3^{\circ} 29\frac{1}{2}'$ S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ} 26\frac{1}{2}'$ N.

40.00 N. $89^{\circ} 55'$ E. on a random line bet. secs. 20 and 29
 Set temp. $\frac{1}{4}$ sec. cor.

79.94 Intersect N. and S. line 2 lks. N. of the cor. of secs. 20, 21, 28 and 29.
 Thence I run
 S. $89^{\circ} 56'$ W. on a true line bet. secs. 20 and 29.
 Over huge granite boulders, scattering brush.

20.19 Ridge bears N. and S. 30 ft. above cor. descend.

39.97 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
 1915 on S. rim;
 $\frac{1}{4}$ S20 in N. and
 S29 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 248 ft. below cor.
 Ascend.

66.32 Ridge bears N. and S. 242 ft. above $\frac{1}{4}$ sec. cor. descend.

79.94 The cor. of secs. 19, 20, 29 and 30.
 342 ft. below ridge.
 Land, mountainous.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, mtn. mahogany, oak and catclaw.
 Poor grass.

March 12, 1915.

30

Subdivision of Tp. 13 N. Rg. 7 W.

Chains. March 13, 1915; At 7h. 30m. a.m., l.m.t., I set off $34^{\circ} 26\frac{1}{2}'$ N. on the lat. arc; $3^{\circ} 09\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29 and 30.

Thence I run
S. $89^{\circ} 59'$ W. on a random line bet. secs. 19 and 30.

40.00 Set temp. $\frac{1}{4}$ sec. cor.
76.45 Intersect W. bdy. of Tp. 7 lks. S. of the cor. of secs. 19, 24, 25 and 30, established by me, as described in Book "A." Thence I run,
S. $89^{\circ} 58'$ E. on a true line bet. secs. 19 and 30.
Ascend, through scattering brush.

12.80 Ridge bears N. W. and S. E. 70 ft. above cor.
Descend along N. slope.

21.22 105 ft. below ridge. Ascend along N. slope.
31.15 Ridge bears N. and S. 30 ft. above 21.22 pt. descend.
36.45 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
1915 on S. rim;
 $\frac{1}{4}$ S19 in N. and
S30 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

44.89 Wash 30 lks. wide course N. 243 ft. below ridge. Ascend.
58.20 Ridge bears N. and S. 286 ft. above wash. Descend.
71.00 Wash 40 lks. wide course N. W. 297 ft. below ridge. Ascend.

76.45 The cor. of secs. 19, 20, 29 and 30.
126 ft. above wash.
Land, mountainous.
Soil, rocky; 4th. rate. Granite boulders.
Undergrowth, catclaw and oak.
Poor grass.

March 13, 1915.

March 24, 1915: At 7h. 30m. a.m., l.m.t., I set off $34^{\circ} 26\frac{1}{2}'$ N. on the lat. arc; $1^{\circ} 11'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29 and 30.

Thence I run
N. $0^{\circ} 02'$ W. bet. secs. 19 and 20.
Ascend rough S. W. slope, through scattering brush.

17.76 Point of ridge, 278 ft. above cor. Descend.
33.36 Wash 40 lks. wide course N. W. 592 ft. below point of ridge. Ascend.

40.00 Set an iron post 3 ft. long, 1 in. diam., 18 ins. in the ground in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
1915 on S. rim;
 $\frac{1}{4}$ S19 in W. and
S20 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

40.70 Ridge bears SE. and NW. 147 ft. above wash.
55.60 91 ft. below ridge. Ascend.
61.75 Ridge bears E. and W. 149 ft. above 55.60 pt. Descend.
80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 17, 18, 19 and 20, marked on brass cap
1915 on S. rim;
T13NR7W in N. half;
S18 in N. W.
S17 in N. E.
S20 in S. E. and
S19 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
Land, mountainous.
Soil, rocky; 4th. rate. granite rocks.
No timber.
Undergrowth, catclaw, paloverde and cholla.

Chains.

Poor grass.

March 24, 1915.

March 25, 1915; At 7h. 30m. a.m., l.m.t., I set off 34° 27½' N. on the lat. arc; 1° 34½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20.

Thence I run

N. 89° 56' E. on a random line bet. secs. 17 and 20.

40.00

Set temp. ¼ sec. cor.

79.94

Intersect N. and S. line 5 lks. S. of the cor. of secs. 16, 17, 20 and 21.

Thence I run

S. 89° 54' W. on a true line bet. secs. 17 and 20.

Descend along S. W. slope of ridge, through scattering brush.

39.97

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

1915 on S. rim;

¼ S17 in N. and

S20 in S. half; and raise a mound of stone 2 ft.

base 1½ ft. high, N. of cor. Pits impracticable.

58.00

Wash 15 lks. wide course N. W. 453 ft. below cor.

Ascend N. E. slope.

79.94

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

65 ft. above wash.

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, paloverde and catclaw.

Poor grass.

March 25; At this cor. I set off 1° 38' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 27½' N.

March 25, 1915.

March 26, 1915; At 7h. 30m. a.m., l.m.t., I set off 34° 27½' N. on the lat. arc; 1° 58½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20.

Thence I run

N. 89° 58' W. on a random line bet. secs. 18 and 19.

40.00

Set temp. ¼ sec. cor.

76.38

Intersect W. bdy. of Tp. 4 lks. N. of the cor. of secs. 13, 18, 19 and 24, established by me as described in Book "A"

March 26; At this cor. I set off 2° 01½' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 28½' N.

Thence I run

East on a true line bet. secs. 18 and 19.

Descend, through scattering brush.

30.28

Wash 40 lks. wide course N. 168 ft. below cor. Ascend.

36.38

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

1915 on S. rim;

¼ S18 in N. and

S19 in S. half; and raise a mound of stone 2 ft.

base 1½ ft. high, N. of cor. Pits impracticable.

69.30

Ridge bears N. W. and S. E. 236 ft. above wash. Descend.

76.38

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

79 ft. below ridge.

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, paloverde and catclaw.

Poor grass

Chains.

March 26, 1915.

March 25, 1915.
 N. $0^{\circ} 03'$ W. bet. secs. 17 and 18
 Descend NE slope dry scattering brush.
 13.87 Wash 10 lks. wide course N. W. 130 ft. below cor. Ascend.
 17.10 Spur, bears W. 53 ft. above wash. Descend.
 20.78 Road bears E. and W.
 21.03 Telephone line bears E. and W.
 22.72 Wash 40 lks. wide course W. 67 ft. below spur. Ascend.
 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
 1915 on S. rim;
 $\frac{1}{4}$ S18 in W. and
 S17 in E. half; and raise a mound of stone 2 ft.
 base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 49.33 Top of round mtn. 421 ft. above wash. Descend along W.
 slope.
 70.30 125 ft. below mtn. top. Ascend along S. W. slope.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 12 ins. in the
 ground for cor. of secs. 7, 8, 17 and 18, in a mound of
 stone, marked on brass cap
 1915 on S. rim;
 T13NR7W in N. half;
 S7 in N. W.
 S8 in N. E.
 S17 in S. E. and
 S18 in S. W. quadrant; and raise a mound of stone
 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 168 ft. above 70.30 pt.
 Land, mountainous.
 Soil, rocky; 4th. rate. Loose granite rock.
 No timber.
 Undergrowth, paloverde and catclaw.
 Poor grass.

March 25, 1915.

March 27, 1915; At 7h. 30m. a.m., l.m.t., I set off $34^{\circ} 28\frac{1}{2}'$ N. on the lat. arc; $2^{\circ} 22'$ N. on the decl. arc;
 and determine a meridian with the solar at the cor. of
 secs. 7, 8, 17 and 18.
 Thence I run
 N. $89^{\circ} 54'$ E. on a random line bet. secs. 8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect N. and S. line 7 lks. N. of the cor. of secs.
 8, 9, 16 and 17.
 Thence I run
 S. $89^{\circ} 57'$ W. on a true line bet. secs. 8 and 17.
 Along rough S. slope, through scattering brush.
 14.38 Wash 30 lks. wide course E. 48 ft. below cor.
 27.79 Wash 15 lks. wide course S. W. 131 ft. below cor. Ascend.
 39.95 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
 $\frac{1}{4}$ S8 in N. and
 S17 in S. half;
 1915 on S. rim; and raise a mound of stone 2 ft.
 base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 52.23 Ridge bears SE. and NW. 115 ft. above wash. Descend.
 79.90 The cor. of secs. 7, 8, 17 and 18.
 100 ft. below ridge.
 Land, mountainous.
 Soil, rocky; 4th. rate. Loose granite rocks.
 No timber.
 Undergrowth, paloverde and catclaw.
 Poor grass.

Chains.

March 27: At this cor. I set off 2° 25' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 28 1/2' N.

40.00 West on a random line bet. secs. 7 and 18.
 Set temp. 1/4 sec. cor.

76.34 Intersect W. bdy. of Tp. 2 lks. N. of the cor. of secs. 7, 12, 13 and 18, established by me as described in Book "A." Thence I run, N. 89° 59' E. an a true line bet. secs. 7 and 18. Ascend W. slope, through scattering brush.

36.34 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap
 1915 on S. rim;
 1/4 S7 in N. and
 S18 in S. half; and raise a mound of stone 2 ft. base 1 1/2 ft. high, N. of cor. Pits impracticable.

61.19 Ridge bears N. W. and S. E. 355 ft. above cor. Descend.
 76.34 The cor. of secs. 7, 8, 17 and 18. 60 ft. below ridge. Land, mountainous. Soil, rocky; 4th. rate. Loose granite rocks. No timber. Undergrowth, paloverde and catclaw. Poor grass.

March 27, 1915.

April 8, 1915; At 7h. 00m. a.m., l.m.t., I set off 34° 28 1/2' N. on the lat. arc; 6° 58 1/2' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 7, 8, 17 and 18. Thence I run N. 0° 03' W. bet. secs. 7 and 8. Ascend, through scattering brush.

13.00 Ridge bears E. and W. 54 ft. above cor. Descend.
 36.25 Wash 15 lks. wide course N. W. 236 ft. below ridge.
 40.00 Set an iron post 3 ft. long, 1 in. diam., in a mound of stone for 1/4 sec. cor., marked on brass cap
 1915 on S. rim;
 1/4 S7 in W. and
 S8 in E. half; and raise a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable.

52.45 Wash 15 lks. wide course S. W. Ascend.
 75.05 Ridge bears E. and W. 357 ft. above wash. Descend.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., in a mound of stone, for cor. of secs. 5, 6, 7 and 8, marked on brass cap
 1915 on S. rim;
 T13NR7W in N. half;
 S6 in N. W.
 S5 in N. E.
 S8 in S. E. and
 S7 in S. W. quadrant; and raise a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4th. rate. Granite rocks. No timber. Undergrowth, paloverde and catclaw. Poor grass.

April 8; At this cor. I set off 7° 02' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 29" N.

34

Subdivision of Tp. 13 N. Rg. 7 W.

Chains. N. $89^{\circ} 57'$ E. on a random line bet. secs. 5 and 8.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.92 Intersect N. and S. line 5 lks. S. of the cor. of secs.
 4, 5, 8 and 9.
 Thence I run
 S. $89^{\circ} 55'$ W. on a true line bet. secs. 5 and 8.
 Descend, through scattering brush.
 23.71 Wash 30 lks. wide course N. 269 ft. below cor. Ascend.
 39.96 Set an iron post 3 ft. long, 1 in. diam., in a mound of
 stone for $\frac{1}{4}$ sec. cor., marked on brass cap
 1915 on S. rim;
 $\frac{1}{4}$ S5 in N. and
 S8 in S. half; and raise a mound of stone 2 ft.
 base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 50.80 Spur, br. N.
 79.92 The cor. of secs. 5, 6, 7 and 8.
 137 ft. above wash.
 Land, mountainous.
 Soil, rocky; 4th. rate. Granite boulders.
 No timber.
 Undergrowth, Paloverde and catclaw.
 Poor grass.

April 8, 1915.

April 9, 1915; At 7h. 00m. a.m., l.m.t., I set off $34^{\circ} 29'$ N. on the lat. arc; $7^{\circ} 21'$ N. on the decl. arc;
 and determine a meridian with the solar at the cor. of
 secs. 5, 6, 7 and 8.

Thence I run
 S. $89^{\circ} 59'$ W. on a random line bet. secs. 6 and 7.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 76.16 Intersect W. bdy. of Tp. at the cor. of secs. 1, 6, 7 and
 12, established by me as described in Book "A".
 Thence I run,
 N. $89^{\circ} 59'$ E. on a true line bet. secs. 6 and 7.
 Ascend, through scattering brush.
 21.06 Ridge bears N. W. and S. E. 245 ft. above cor. Descend.
 31.09 30 ft. below ridge, Ascend.
 36.16 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
 1915 on S. rim;
 $\frac{1}{4}$ S6 in N. and
 S7 in S. half; and raise a mound of stone 2 ft.
 base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 64.06 Ridge bears N. W. and S. E. 414 ft. above 31.09 pt.
 76.16 The cor. of secs. 5, 6, 7 and 8.
 104 ft. below ridge.
 Land, mountainous.
 Soil, rocky; 4th. rate. Granite boulders.
 No timber.
 Undergrowth, paloverde and catclaw.
 Poor grass.
 April 9: At this cor. I set off $7^{\circ} 24\frac{1}{2}'$ N. on the decl.
 arc; and observe the sun on the meridian at noon; the
 resulting lat. is $34^{\circ} 29'$ N.

N. $0^{\circ} 03'$ W. on a true line, bet. secs. 5 and 6.
 Descend N. slope.
 22.90 Wash 15 lks. wide course S. W. 330 ft. below ridge.
 32.28 Wash 10 lks. wide course S. W. Ascend.
 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
 1915 on S. rim;
 $\frac{1}{4}$ S6 in W. and

Chains.

S5 in E. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

49.40 50 ft. above wash, descend.

56.87 Wash 30 lks. wide course N. W. 157 ft. below 49.40 pt. Ascend.

80.30 Ridge bears N. E. and S. W. ~~descend~~. 286 ft. above wash. Desc.

82.60 Intersect S. bdy. of Tp. 14 N. Rg. 7 W. 146 lks. W. of the cor. of secs. 31 and 32, established by me, as described in Book "A."

At point of intersection, I
Set an iron post 3 ft. long, 2 ins. diam., 20 ins. in the ground, in a mound of stone, for closing cor. of secs. 5 and 6, marked on brass cap
1915 on S. rim;
T14NR7W S31 S32 in N. and
T13NR7W in S. half;
CC S. of center;
S5 in S. E. and
S6 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, S. of cor. Pits impracticable.

54 ft. below ridge.
Land, mountainous.
Soil, rocky; 4th. rate.
No timber.
Undergrowth, paloverde and catclaw.
Poor grass.

April 9, 1915.

GENERAL DESCRIPTION.

This township is extremely rough and mountainous and the soil is rocky and worthless for agricultural purposes. There is no timber or permanent water in the township, and no settlers.

John A. Hesse
U. S. Surveyor.

For FINAL OATH OF UNITED STATES SURVEYOR.
See Book "B" 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, FEB 18, 1916.

re-

The foregoing field notes of the survey of the _____
Third Standard Parallel North, through Range 7 West, and
Survey of the Subdivision Lines of Township 13 North,
Range 7 West, of the Gila and Salt River Base and Meridian,
in the State of Arizona,

executed by _____ John F. Hesse, U. S. Surveyor,
under his special instructions dated _____ September 26, 1914, for Group 3791, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General 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.~~