

2807
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BOOK 2807

SEP 30 1914

Book "Q"
Subdivisions
FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines of Tp. 1 S. Rg. 10 W.

2807

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

JOHN F. HESSE &

JESSE B. WRIGHT

In the capacity of U. S. Surveyor S, under instructions dated October 21, 1913, issued by the United States Surveyor General to govern surveys included in Group No. 32, which were approved by the Commissioner of the General Land Office, November 21, 1913, pursuant to authority contained in the Act of Congress dated June 23, 1913.

Survey commenced April 25, 1914

Survey completed May 12, 1914

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1A

Book "Q"

BOOK 2807

INDEX DIAGRAM.

Township 1 South , Range 10 West

Gila & Salt River Base Line

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- Notes in Book "A" this Group
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- - - - - Unsurveyed

Subdivision of Tp.1 S. Rg.10W.

chains.

Survey commenced April, 25, 1914, and executed by John F. Hesse & Jesse B. Wright, U.S. Surveyors using Young & Sons light transit instruments Nos. 8588 and 7084 respectively, the former being the instrument being described in book "A" and the latter being the instrument being described in book "B".

I examine the adjustments of transit No. 8588 and find them correct; then to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At camp which is located near the standard cor. of Tps. 1 N. Rgs. 9 and 10 W.; latitude 33° 22' 33" N, longitude 113° 14' 23" W.; I set off 33° 22 1/2' N. on the lat. arc 13° 13' N on the decl. arc; and, at 5h. 30m. p.m. l.m.t. determine with the solar a meridian and mark a point there of, on a stone firmly set in the ground 5 chains N. of my station.

April 25, 1914.

April 26, 1914 At 5h. 17m. a.m. by my watch, which has correct l.m.t. I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 6h 15m. a.m., l.m.t. I lay off the azimuth of Polaris 1° 23' to the west, and mark the meridian thus determined, by cutting a small groove in the stone set April 25, on which the meridian coincides with the mark determined by the solar.

At 6h 30m. a.m., l.m.t. I set off 33° 22 1/2' on the lat. arc; 13° 23 1/2' on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chains N. of my station; this mark coincides with the mark established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians which coincide with the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at the cor. of secs. 35 and 36 on the S. bdy. of Tp. 1 S. Rg. 10 W. at 9h. 00m a.m., is N. 14° 30' W.; the angle thus determined gives the mag. decl. 14° 30' E.

From the cor. of secs. 35 and 36 on the S. bdy. of the Tp. I run

- I run
- N. 0° 01' W. bet. secs. 35 and 36.
- Over level land through dense brush.
- 1.15 Cross wash 50 lks. wide course N.E.
- 8.00 Wash 25 lks. course N. and along in wash to
- 18.26 Leave wash 25 lks. course N.E.
- Cross old road bears E. and W.
- 40.00 Set an iron post 3ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap S35 in W. S36 in E. and 1914 in S. half; and raise a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable.
- 80.00 Set an iron post 3ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 25, 26, 35, and 36, marked on brass cap
- T1SR10W in N. and
- 1914 in S. half;
- S26 in N.W.
- S25 in N. E.
- S36 in S.E.
- S35 in S. W. quadrant; from which
- A Palo Verde 4 ins. diam., bears N. 12 1/2° W 64 lks. dist., marked T1SR10WS26BT.
- A Palo Verde 8 ins. diam., bears N. 21 1/4° E. 64 lks. dist., marked T1SR10WS25BT.
- A Palo Verde 4 ins. diam., bears S. 30 1/4° E. 26 lks. dist., marked T1SR10WS36BT.
- A Palo Verde 6 ins. diam., bears S. 72 3/4° W. 87 lks. dist. marked T1SR10WS35BT.

Subdivision of Tp.1 S. Rg.10 W.

Chains.

Land, level.
Soil, Rocky 4th rate.
No timber.
Undergrowth, Palo Verde, greasewood.

-
- 40.00 East on a random line bet. secs. 25 and 36.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect E. bdy. of Tp. 4 lks. S. of the cor. of secs. 25, 30, 31, and 36, estab. by me as described in book "B"
Thence I run
S. $89^{\circ} 58'$ W. on a true line bet. secs. 25 and 36.
Over level land through dense brush.
- 37.84 Cross wash 15 lks. wide coarse N.E.
- 40.01 Set an iron post 3 ft. long, 1 in. diam., 26 ins in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S25 in N. and S36 1914 in S half; from which
A Palo Verde 6 ins. in diam. bears N. 1° W. 131 lks. dist. marked $\frac{1}{4}$ S25BT.
An Ironwood 4 ins. in diam. bears S. $73\frac{1}{2}^{\circ}$ W. 181 lks. dist marked $\frac{1}{4}$ S36BT.
- 46.00 Cross wash 25 lks. wide course N. W.
- 68.40 Cross wash 25 lks. wide course N. E.
- 80.02 The cor. of secs. 25, 26, 35, and 36.
Land level.
Soil, rocky 4 th rate.
No timber.
Undergrowth, palo verde, and cacti.

-
- 40.00 N $0^{\circ} 01'$ W. bet. secs. 25 and 36.
Over level land through dense brush.
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 $\frac{1}{4}$ S26 in W. S25 in E. and 1914 in S. half; from which
A Palo Verde 6 ins. diam. bears S. $11\frac{1}{4}^{\circ}$ E. 107 lks. dist., marked $\frac{1}{4}$ S25BT.
A Palo Verde 4 ins. diam. bears S $63\frac{1}{2}^{\circ}$ W. 158 lks. dist. ,marked $\frac{1}{4}$ S26BT.
- 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
T1SR10W in N. and
1914 in S. half;
S23 in N.W.
S24 in N.E.
S25 in S.E.
S26 in S.W. quadrant; from which
A Palo Verde, 4 ins diam., bears N. $64\frac{1}{2}^{\circ}$ W. 93 lks. dist., marked T1SR10WS23BT
A Palo Verde 6 ins. diam. bears N. $23\frac{1}{4}^{\circ}$ E. 248 lks. dist., marked T1SR10WS24BT.
Dig pits 18x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4ft. base 2 ft. high, W. of cor.
Land, level.
Soil, gravelly, rocky, 4 th. rate.
No timber.
Undergrowth, palo verde, greasewood and cacti.

-
- 40.00 East on a random line bet. secs. 24 and 25
Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect E. bdy. of Tp. 2 lks. S. of the cor. of secs. 19, 24, 25, and 30, estab. by me as described in book "B"
Thence I run
S. $89^{\circ} 59'$ W. on a true line bet. secs. 24 and 25.
Over level land, through dense brush.

Subdivision of Tp.1 S. Rg.10 W.

Chains.	
40.01	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 $\frac{1}{4}$ S24 in N. and S25 1914 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
68.00	Cross wash 50 lks. wide course N.
80.02	The cor of secs. 23, 24, 25, and 26. Land, level. Soil, rocky, 4 th. rate. No timber. Undergrowth, palo verde, greasewood, cacti.

	N.0° 01' W. bet. secs. 23 and 24.
11.60	Over level land, through dense brush.
14.40	Cross road bears N.E and S.W.
21.20	Cross wash 50 lks. wide course N. E.
25.00	Begin ascent E. slope of high mountain.
25.00	Top of mountain bears W. 30 chs. dist.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec cor., marked on brass cap $\frac{1}{4}$ S23 in W. S24 in E, and 1914 in S. 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. 13, 14, 23, and 24. marked on brass cap T1SR10W in N. and 1914 in S. half; S14 in N.W. S13 in N. E. S24 in S. E. 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. Land, level, and mts. Soil, rocky 4 th. rate. No timber. Undergrowth, palo verde, greasewood.

	East on a random line bet. secs. 13 and 24.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect E. bdy. of Tp. at the cor, of secs. 13, 18, 19, and 24, estab. by me as described in book "B" Thence I run West on a true line bet. secs. 13, and 24. Mountainous land, dense brush. Ascend from cor.
8.56	Cross road bears N. E. and S. W.
29.17	Cross wash 50 lks. wide course N. 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 $\frac{1}{4}$ S13 in N. and S24 1914 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high. N. of cor. Pits impracticable.
65.00	Cross wash 25 lks. wide course S.E.
80.00	The cor of secs. 13, 14, 23, and 24. Land, mountainous. Soil, rocky, 4 th. rate. No timber. Undergrowth, greasewood, palo verde,

	N.0° 01' W. bet. secs. 13 and 14.
40.00	Over mountainous land thru dense brush. Continue along E. slope of mountain. Set an iron post 3 ft. long, 1 in diam., 26 ins. in the

Subdivisions of Tp. 1 S. Rg. 10W.

Chains

45.00 ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S14 in W.
80.00 S13 in E. and 1914 in S. half; and raise a mound of stone
2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
Begin descent of N. E. slope.
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the
ground for cor. of secs. 11, 12, 13, and 14. marked on
brass cap
T1SR10W in N. and
1914 in S. 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.
Land, mountainous.
Soil, rocky, 4 th. rate. Slide malpais.
No timber.
Undergrowth, greasewood, palo verde.

April, 36, 1914.

1914

April, 30: At 7h 30m a.m. l.m.t., I set off $33^{\circ} 21'$ N. on
the lat. arc; $14^{\circ} 39'$ 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
East on a random line bet. secs. 12 and 13.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.02 Intersect E. bdy. of Tp. 3 lks. S of cor. of secs. 7, 12,
13, and 18, estab. by me as described in book "B"

Thence I run
S $89^{\circ} 59'$ W. on a true line, bet. secs. 12 and 13
Over mountainous land, through dense brush.
Ascend S. E. slope of ridge.
30.50 Top of high ridge bears N. E. and S. W. Decend.
46.01 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 $\frac{1}{4}$ S12 in N.
and S13 1914 in S. half; and raise a mound of stone 2 ft.
base $1\frac{1}{2}$ ft. high. N. of cor. Pits impracticable.
60.65 Cross wash 20 lks. wide course, N. E. Ascend along NE. slope.
80.02 The cor of secs. 11, 12, 13, and 14.
Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Under growth, palo verde, greasewood, and cactus.

N. $0^{\circ} 01'$ W. bet. secs. 11 and 12.
Descend
10.00 Bottom of descent, thence over level land.
40.00 Set an iron post 3 ft. long, 1 in. diam. 26 ins. in the
ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S11 in W.
S12 in E. and 1914 in S half; from which
An Ironwood 5 ins. in diam. bears S. $87\frac{3}{4}^{\circ}$ E. 105
lks. dist. marked $\frac{1}{4}$ S12BT.
A Palo Verde 6 ins. in diam. bears S. $34\frac{1}{2}^{\circ}$ W. 131
lks. dist. marked $\frac{1}{4}$ S11BT.

62.30 Cross road bears E. and W.
65.15 Cross wash 25 lks. wide course N. E.
71.15 Cross wash 15 lks. wide course E.
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
T1SR10W in N. and
1914 in S. half;
S2 in N. W.
S1 in N. E.
S12 in S. E.

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Chains

S11 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist. & raise a mound of earth 4 ft. base 2 ft. high W. of cor.
 Land, mountainous and level.
 Soil, rocky, sandy and gravelly. 2 nd, and 4 th. rate.
 No timber.
 Undergrowth, greasewood, palo verde, and ironwood.

East on a random line bet. secs. 1 and 12.
 40.00 Set a temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect E. bdy of Tp. 3 lks. N. cor. of secs. 1, 6, 7, and 12, estab. by me as described in book "B"
 Thence I run
 N. $89^{\circ} 59'$ W. on a true line bet. secs. 1 and 12.
 Over level land 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 S1 in W. and S12 1914 in S. half. dig pits 18 x 18 x 12 ins. E. and W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
 60.20 Cross wash 20 lks. wide course N. E.
 80.00 The cor. of secs. 1, 2, 11, and 12.
 Land, level.
 Soil, sandy, gravelly mixed with small rocks 2nd rate.
 No timber.
 Undergrowth, greasewood, palo verde, and ironwood.

N. $0^{\circ} 01'$ W. on a true line, bet. secs. 1 & 2
 Over level land 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 S2 in W. S1 in E. and 1914 in S. half. dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 67.65 Cross road bears N. E. and S. W.
 80.62 Intersect Gila and Salt River Baseline, 9.91 chs. E. of std. cor. of secs. 35 & 36, T. 1 N. R. 10 W., estab. by Jesse B. Wright, as described in book "C" at point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 1 & 2, marked on brass cap,
 CC S. of center;
 T1N R10W S35 S36 in N., and
 1914 in S. half;
 S1 in S. E. and
 S2 in S. W. quadrant; from which
 An Ironwood 4 ins. in diam. bears S. $32\frac{1}{2}^{\circ}$ E. 369 lks. dist. marked CCT1SR10WS1BT.
 An Ironwood 10 ins. in diam. bears S. $27\frac{1}{2}^{\circ}$ W. 78 lks. dist., marked CCT1SR10WS2BT.
 Land, level.
 Soil, sandy, gravelly 2nd rate.
 No timber.
 Undergrowth, greasewood and palo verde.

Note: April, 30: At this cor. I set off $14^{\circ} 42'$ N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $33^{\circ} 22\frac{1}{2}'$ N.

April, 30, 1914.

Subdivisions of Tp. 1 S. Rg. 10 W.

Chains	
	1914 April, 27, 1914; At 7h 30m a.m. l.m.t. I set off 33° 17½' N. on the lat. arc; 13° 42½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34, and 35, on the S. bdy. of the Tp. Xestab. by me as described Thence I run (in book "B") N. 0° 01' W. bet. sec. 34 and 35. Over rolling land, through dense brush.
0.50	Descend N. slope of knoll
5.10	Cross draw 15 lks. wide course N. W. Ascend S. slope of spur.
10.25	Top of spur bears W. Descend.
17.00	Bottom of slope.
28.80	Cross wash 76 lks, wide course N. E.
37.40	Cross same wash 60 lks. wide course N. W.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in the ground for ¼ sec, cor., marked on brass cap ¼ S34 in W. S35 in E. and 1914 in S. half; from which A Palo Verde 4 ins. in diam. bears N. 45° E. 68 lks. dist., marked ¼ S35BT. A Palo Verde 4 ins. in diam. bears N. 50° W. 41 lks. dist., marked ¼ S34BT.
42.10	Cross wash 50 lks. wide course N.W.
43.10	Cross road bears N. E. and S.W.
49.85	Cross 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. 26, 27, 34, and 35., marked on brass cap T1SR10W in N. and 1914 in S. half S27 in N. W. S26 in N. E. S35 in S. E. and S34 in S. W. quadrant; from which A Palo Verde 9 ins. in diam. bears N. 9° E. 127 lks. dist. marked T1SR10WS26BT. No other trees near. Raiseda mound of stone 2 ft. base 1½ ft. high W. of port. Pits impracticable. Land, rolling. - Soil, rocky, 4th. rate. No timber. Undergrowth, palo verde, greasewood, and cactus.

	East on a random line bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect N. and S. line at the cor of secs. 25, 26, 35, and 36. Thence I run West on a true line bet, secs. 26 and 35. Over rolling land through dense brush.
30.30	Cross wash 25 lks. wide course N. W.
39.99	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in the ground for ¼ sec. cor. marked on brass cap ¼ S26 in N. and S35 1914 in S half; from which A Palo Verde 4 ins. bears N. 5½° W. 96 lks. dist. marked ¼ S26BT. A Palo Verde 5 ins. diam. bears S. 1° E. 120 lks. dist. marked ¼ S35BT.
51.30	Cross wash 25 lks. wide course N.
69.12	Cross wash 30 lks. wide course N. W.
79.98	The cor. of secs. 26, 27, 34, and 35. Land, rolling. Soil, rocky 4th rate. No timber. Undergrowth, greasewood, palo verde, ocatilla.

	N. 38° 01' W. bet. secs. 26 and 27.

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Chains

N.0° 01' W. bet. secs. 26 and 27.
 Over level land through dense brush.
 15.92 Cross road bears N.E. and S.W.
 22.10 Cross wash 30 lks. wide course N. W.
 33.48 Cross wash 25 lks. wide course N.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 $\frac{1}{4}$ S27 in W. S26 in E. and 1914 in S. half; from which
 A Palo Verde 12 ins. diam. bears N. 23 $\frac{1}{2}$ ° W. 43 lks. dist. marked $\frac{1}{4}$ S27BT. No other tree near.
 Dig pits 18 x 18 x 12 ins. N. and S. of post, $\frac{3}{4}$ ft. dist. & raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, $\frac{1}{4}$ W. of post.
 66.70 Cross wash 30 lks. wide course N. E.
 80.00 Set an iron post 3 ft. long, 2 in diam. 24 ins in the ground for cor. of secs. 22, 23, 26, and 27, marked on brass cap
 T1SR10W in N. and 1914 in S. half;
 S22 in N. W.
 S23 in N. E.
 S26 in S. E. and S27 in S. W. quadrant; from which
 A Palo Verde 12 ins. diam. bears N. 13 $\frac{1}{2}$ ° E. 158 lks. dist. marked T1SR10WS23BT. No other tree near.
 Dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high $\frac{1}{4}$ W. of post.
 Land, level.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, greasewood, ocatilla.

 East on a random line bet. secs. 23 and 26.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect N. and S. line 4 lks. N. of the cor. of secs. 23, 24, 25, and 26.
 Thence I run
 N.89° 58' W. on a true line bet. secs. 23 and 26.
 Over level land through dense brush.
 6.70 Cross wash 40 lks. wide course N.
 17.85 Cross road bears N. E. and S. W.
 31.20 Cross wash 30 lks. wide course N. E.
 40.01 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 $\frac{1}{4}$ S23 in N. and S26 1914 in S. half; raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high $\frac{1}{4}$ N. of cor. Pits impracticable.
 69.00 Cross wash 50 lks. wide course N. E.
 80.02 The cor. of secs. 22, 23, 26, and 27.
 Land, level.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, greasewood and paloverde.

Note: April, 27: At this cor. I set off 13° 45 $\frac{1}{2}$ ' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 33° 19' N.

 N.0° 01' W. bet. secs. 22 and 23.
 Over rolling land through dense brush.
 15.88 Cross wash 30 lks. wide course 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 $\frac{1}{4}$ S22 in W. S23 in E. and 1914 in S. half; raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, $\frac{1}{4}$ W. of cor. Pits impracticable.
 44.00 Begin gradual ascent.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins in the ground for the cor. of secs. 14, 15, 22, and 23., marked on brass cap
 T1SR10W in N. and

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Chains

1914 in S. half
 S15 in N. W.
 S14 in N. E.
 S23 in S. E. and
 S22 in S. W. quadrant; from which
 A Palo Verde 6 ins. in diam. bears N. $63\frac{3}{4}^{\circ}$ W. 109
 lks. dist. marked T1SR1OWS15BT.
 A Palo Verde 5 ins. diam. bears N. $26\frac{1}{4}^{\circ}$ E. 200
 lks. dist., marked T1SR1OWS14BT.
 A Palo Verde 10 ins. diam. bears S. 67° E. 185
 lks. dist., marked T1SR1OWS23BT.
 A Palo Verde 8 ins. diam. bears S. $34\frac{1}{2}^{\circ}$ W. 179
 lks. dist. marked T1SR1OWS22BT. Pits impracticable.
 Raise a mound of stone 2 ft. base $\frac{1}{2}$ ft high W. of cor.
 Land, rolling.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, paloverde, greasewood, ocatilla.

889° 58' E. on a random line bet. secs. 14 and 23.
 4040.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect N. and S. line at the cor. of secs. 13, 14, 23,
 and 24.

Thence I run
 N. $89^{\circ} 58'$ W. on a true line bet. sec. 14 and 23.
 Over mountainous land through dense brush. Ascend
 18.10 Top of Mt. bears N. and S. 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 $\frac{1}{4}$ S14 in N.
 and S23 1914 in S. half; raise a mound of stone 2 ft.
 base $\frac{1}{2}$ ft. high. W. of cor. Pits impracticable.
 60.50 Cross gulch 30 lks. course S.
 79.98 The cor. of secs. 14, 15, 22, and 23.
 Land, mountainous,
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, paloverde, greasewood.

N. $0^{\circ} 01'$ W. bet. secs. 14 and 15.
 Over mountainous land through dense brush. Ascend S. slope
 23.50 Cross gulch 80 lks. wide course W.
 24.00 Begin abrupt ascent.
 39.00 Top of ascent, Top of Mt. about 25 chs. East. Descend N.W. slope
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S15 in W.
 S15 in E. and 1914 in S. half; raise a mound of stone
 2 ft. base $\frac{1}{2}$ ft. high. W. of cor. Pits impracticable.
 80.00 Set an iron post 3 ft. long, 2 in. diam. 24 ins. in the
 ground for cor of secs. 10, 11, 14, and 15, marked on brass
 cap

T1SR1OW in N. and
 1914 in S. half
 S10 in N. W.
 S11 in N. E.
 S14 in S. E. and
 S15 in S. W. quadrant; from which
 A Paloverde 5 ins. diam. bears S. 75° W. 51 lks.
 dist. marked T1SR1OWS15BT. No other trees near.
 Raise a mound of stone 2 ft. base $\frac{1}{2}$ ft. high W.
 of cor. Pits impracticable.
 Land, mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, paloverde, and cactus.

April, 27, 1914.

Subdivision of Tp. 1 S. Rg. 10 W.

Chains April, 30, 1914
 40.00 April, 30, 1914; 89° 58' E. on a random line bet. secs. 11 and 14.
 80.02 Set a temp. $\frac{1}{4}$ sec cor.
 Intersect N. and S. line 2 lks. S of cor. of secs. 11, 12, 13, and 14.
 Thence I run
 N. 89° 59' W. on a true line bet, secs. 11 and 14.
 38.00 Over mountainous land, through dense brush. Ascend
 Top of ascent. Descend to sec. cor.
 40.01 Set an iron post 3 ft. long 1 in. diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S11 in N.
 and S 14 1914 in S half; from which
 A Paloverde 4 ins. diam. bears N. 61 $\frac{1}{4}$ ° E. 20 lks.
 dist., marked $\frac{1}{4}$ S11BT.
 A Paloverde 5 ins. diam. bears S. 76 $\frac{1}{4}$ ° E. 52 lks.
 dist., marked $\frac{1}{4}$ S14BT.
 80.02 The cor. of secs. 10, 11, 14, and 15.
 Land mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, paloverde, and greasewood.

N. 0° 01' W. bet. secs. 10 and 11.
 9.00 Over mountainous land through dense brush. Descend.
 Bottom of descent, thence over rolling land.
 16.60 Cross wash 30 lks. wide course N. E. 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 $\frac{1}{4}$ S10 in W.
 S11 in E. and 1914 in S. half; from which
 A Paloverde 4 ins. diam. bears S. 61 $\frac{1}{4}$ ° W. 37 lks.
 dist., marked $\frac{1}{4}$ S10BT.
 An Ironwood 12 ins. diam. bears S. 75 $\frac{3}{4}$ ° E. 138 lks.
 dist., marked $\frac{1}{4}$ S11BT.
 80.00 Set an iron post 3 ft long, 2 ins. in diam. 24 ins. in the
 ground for the cor of secs. 2, 3, 10, and 11. marked on
 brass cap,
 T1SR10W in N. and 1914 in S. half,
 S3 in N. W.
 S2 in N. E.
 S11 in S. E. and
 S10 in S. W. quadrant; raise a mound of stone 2 ft.
 base $\frac{1}{2}$ ft. high. W. of cor. Pits impracticable.
 Land, mountainous and rolling.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, paloverde, ironwood, and greasewood.

S 89° 59' E. on a random line bet. secs. 2 and 11.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line 2 lks S of the cor. of secs. 1, 2,
 11, and 12.
 Thence I run
 West on a true line bet. secs. 2 and 11.
 Over rolling land through dense brush.
 9.00 Cross road bears N. and S.
 18.00 Ascend.
 23.00 Top of ascent . Descend.
 30.00 Bottom of descent. Ascend rolling SE. slope.
 40.00 Set an iron post 3 ft. long, 1 in. diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S2 in N.
 and S11 1914 in S. half; Dig pits 18 x 18 x 12 ins. E. and
 W. of post 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft.
 base $\frac{1}{2}$ ft. high N. of cor.
 80.00 The cor. of secs. 2, 3, 10, and 11.
 Land rolling.
 Soil, sandy gravelly 2nd rate.
 No timber.
 Paloverde and greasewood.

Subdivision of Twp. 1 S. Rg. 10 W.

	Chains.	May, 1, 1914.
		N. 0° 01' W. on a true line, bet. secs. 2 & 3.
		Over rolling land through dense brush.
14.50		Cross wash 15 lks. wide course 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 $\frac{1}{4}$ S 3 in W. S 2 in E. and 1914 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.; base, $1\frac{1}{2}$ ft. high on W. of cor.
54.50		Cross wash 30 lks. wide course N. E.
69.50		Cross wash 60 lks. wide course E.
80.57		Intersect the G. & S. R. Base line, 9° 22' 30" S. of the S. E. cor. of secs 34 & 35, T. 1 N., R. 10 W. estab. by Jesse B. Wright, as described in book "C". At point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in ground, for closing cor. of sec. 2 & 3, marked on brass cap, CC S. of center, T1N R10W S34 S35 in N. and 1914 in S. half; S2 in S. E. and S3 in S. W. quadrant; dig pits 24 x 18 x 12 ins. crosswise on each line, E. and W. 3 ft., and S. of post 7 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, S. of cor. Land rolling. Soil, sandy rocky, gravelly, 4th rate. No timber. Undergrowth, paloverde, ironwood and greasewood.
		May, 1, 1914.
		April 28, 1914 At 7h. 30m. a.m. l.m.t., I set off 33° 17 $\frac{1}{2}$ ' N. on the lat. arc; 14° 02' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 33, and 34. on the S. bdy of the Twp., estab. by me as described in book "B", Thence I run N. 0° 02' W. bet. secs. 33 and 34. Over choppy hills through dense brush.
3.00		Cross dim road bears E. and W.
13.10		Cross wash 20 lks. wide course S. W.
40.00		Set an iron post 3 ft. long, 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap. $\frac{1}{4}$ S 3 in W. S 34 in E. and 1914 in S. half; from which A Paloverde 7 ins. diam. bears S. 88 $\frac{1}{2}$ ° E. 230 lks. dist., marked $\frac{1}{4}$ S 34 BT. A Paloverde 6 ins. diam. bears S. 81 $\frac{1}{4}$ ° W. 125 lks. dist., marked $\frac{1}{4}$ S 33 BT.
80.00		Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for the cor. of secs. 27, 28, 33, and 34., marked on brass cap T1SR10W in N. and 1914 in S. half; S28 in N. W. S27 in N. E. S34 in S. E. and S33 in S. W. quadrant; from which An Ironwood 5 ins. diam. bears N. 26° W. 60 lks. dist., marked T1SR10WS28BT. A Paloverde 6 ins. diam. bears N. 52 $\frac{1}{2}$ ° E. 50 lks. dist. marked, T1SR10WS27BT. A Paloverde 5 ins. diam. bears S. 61 $\frac{1}{4}$ ° E. 42 lks. dist., marked T1SR10WS34BT. A Paloverde 6 ins. in diam. bears S 89° W. 39 lks. dist., marked T1SR10WS33BT. Land, choppy hills. Soil, rocky, outcropping ledges. 4th rate. No timber. Undergrowth, paloverde, greasewood, ironwood, and ceatilla.

Subdivision of Tp. 1 S. Rg. 10 W.

Chains	
	East on a random line bet. secs. 27 and 34.
40.00	Set at temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line 5 lks. S. of the cor. of secs. 26, 27, 34, and 35. Thence I run, S. $89^{\circ} 58' W.$, on a true line, bet. secs. 27 & 34
	Over choppy hills, through dense brush.
10.50	Cross wash, 40 lks. wide, course SW.
20.50	Cross road, bears NE. & SW.
40.05	Set an iron post, 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S27 in N. and S24 1914 in S. half; from which
	A Paloverde 20 ins. in diam. bears N. $35^{\circ} W.$ 107 lks. dist. marked $\frac{1}{4}$ S27BT.
	A Paloverde 6 ins. diam. bears S. $60^{\circ} E.$ 150 lks. dist. marked $\frac{1}{4}$ S34BT.
42.50	Cross wash 25 lks. wide course S. W.
80.10	The cor. of secs. 27, 28, 33, and 34. Land, choppy hills. Soil, rocky, 4th rate. No timber. Undergrowth, paloverde, greasewood, and ironwood.

	N. $0^{\circ} 02' W.$ bet. secs. 27 and 28.
	Over choppy hills, 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 $\frac{1}{4}$ S28 in W. S27 in E. and 1914 in S. half; from which
	A Paloverde 6 ins. diam. bears S. $14^{\circ} W.$ 80 lks. dist. marked $\frac{1}{4}$ S28BT
	A Paloverde 6 ins. diam. bears N. $75\frac{1}{2}^{\circ} E.$ 47 lks. dist. marked $\frac{1}{4}$ S27BT.
77.00	Cross wash 30 lks. wide course N. W.
80.00	Set an iron post 3 ft. long, 2 in. diam. 24 ins. in the ground for the cor. of secs. 21, 22, 27, and 28., marked on brass cap
	T18R10W in N. and 1914 in S. half;
	S21 in N. W.
	S22 in N. E.
	S27 in S. E. and
	S28 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
	Land, choppy hills. Soil, rocky, 4th rate. No timber. Undergrowth, paloverde, ironwood, greasewood and ocotilla.

	N. $89^{\circ} 58' E.$ on a random line bet. secs. 22 and 27.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S, line 7 lks. N. of cor of secs. 22, 23, 26, and 27,
	Thence I run
	N. $89^{\circ} 59' W.$ on a true line bet. secs. 22 and 27.
	Over choppy hills, through dense brush.
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 $\frac{1}{4}$ S22 in N. S27 1914 in S. half; from which
	A Paloverde 5 ins. diam. bears N. $57\frac{1}{2}^{\circ} E.$ 52 lks. dist., marked $\frac{1}{4}$ S22BT.
	A Paloverde 5 ins. S. $74\frac{1}{2}^{\circ} E.$ 73 lks. dist. marked $\frac{1}{4}$ S27BT.
80.04	The cor. of secs. 21, 22, 27, and 28. Land, choppy hills. Soil, rocky, 4th rate. No timber. Undergrowth, paloverde, ironwood, and greasewood.

Subdivision of Tp. 1 S. Rg. 10 W.

Chains.

- 40.00 N.0° 02' W. bet. secs. 21 and 22.
Over rolling land, through dense brush.
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 $\frac{1}{4}$ S21 in W. S22 in E. and 1914 in S half; From which
A Paloverde 6 ins. diam. bears S.7 $\frac{1}{2}$ ° E. 180 lks. dist., marked $\frac{1}{4}$ S22BT.
A Paloverde 12 ins. diam. bears S.84° W. 150 lks. dist., marked $\frac{1}{4}$ S21BT.
- 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
T18R10W in N. and 1914 in S. half;
S16 in N. W.
S15 in N. E.
S22 in S. E. and S21 in S. W. quadrant; from which
A Paloverde 5 ins. in diam. bears S.58 $\frac{1}{2}$ ° E. 57 lks. dist. marked T18R16WS22BT. No other trees near.
Raise a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
Land, rolling.
Soil, sandy, gravelly, 4th rate.
No timber.
Undergrowth, paloverde, ironwood, greasewood and ocatilla.
Note: April, 28; At this cor. I set off 14° 05' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 33° 20' N.
- N.00° 00' W. on a random line bet. secs. 15 and 22.
- 40.00 S. 89° 59' E. on a random line bet. secs. 15 and 22.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. and S. line 5 lks. S. of cor. of secs. 14, 15, 22, and 23.
Thence I run
S. 89° 59' W. on a true line bet. secs 15 and 22.
- 40.01 Over rolling hills, through dense brush.
Set an iron post 3 ft. long, 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S15 in N. and S22 1914 in S. half; from which
A Paloverde 4 ins. diam. bears N.70° W. 40 lks. dist. marked $\frac{1}{4}$ S15BT.
A Paloverde 5 ins. diam. bears S.47° W. 168 lks. dist. marked $\frac{1}{4}$ S22BT.
- 80.02 The cor of secs. 15, 16, 21, and 22.
Land, rolling hills.
Soil, rocky, 4th rate.
No timber.
Undergrowth, paloverde, greasewood and ocatilla.
-
- 40.00 N.0° 02' W. bet. secs. 15 and 16.
Over rolling hills, through dense brush.
Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S16 in W. S15 in E. and 1914 in S. half; from which
A Paloverde 5 ins. diam. bears N.25° W. 40 lks. dist., marked $\frac{1}{4}$ S16BT.
A Paloverde 4 ins. diam. bears N.34 $\frac{1}{2}$ ° E. 18 lks. dist., marked $\frac{1}{4}$ S15BT.
- 48.40 Cross wash 20 lks. wide course E. Ascend.
- 59.90 Top of ridge bears S. E. and N. W. Thence along E. slope.
- 73.50 Descend to cor.
- 80.00 Set an iron post 3ft. long, 2ins in diam., 24 ins. in

Subdivision of Tp. 1 S. Rg. 10 W.

chains.

the ground for cor .of secs,9, 10, 15, and 16.,marked on brass cap

T1SR10W.in N.and
1914 in S.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, 1½ ft.high.W. of cor.Pits impracticable.

Land,rolling hills.

Soil,rocky,4th rate.

No timber.

Undergrowth,paloverde, greasewood and ocatilla.

N.89° 59'E on a random line bet. secs.10 and 15.

40.00 Set temp. ¼ sec. cor.

79.98 Intersect N. and S. line 2lks.S. of the cor. for secs 10, 11, 14, and 15.

Thence I run

S. 89° 58'W. on a true line bet. secs. 10 and 15.

8.00 Over-rolling land. through dense brush.

8.00 Cross wash 25 lks. wide course N. E.

39.99 Set an iron post 3 ft. long, 1 in. diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼S10 in N. and S15 1914 in S half; dig pits 18 x 18 x12 ins. E.and W. of post 3ft. dist.,and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.

69.05 Cross wash 20 lks. wide, 20 ft. deep,course S. E. Asc.

79.98 The cor. of secs.9, 10, 15, and 16.

Land, rolling.

Soil,rocky, 4th rate.

No timber.

Undergrowth,paloverde and greasewood.

1914

April, 28, 1914.

May, 1; At 7h 30m a.m.l.m.t., I-set off 33°21'N. on the lat. arc; 14° 57½' 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° 02'W. bet. secs.9 and 10.

Over rolling land.through dense brush.

4.40 Cross wash 15 lks. wide course S.E.

40.00 Set an iron post 3 ft long, 1 in. diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼S9 in W.

S10 in E. and 1914 in S. half;and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.

58.00 Ascend bluff.

76.30 Top of bluff. Descend to cor.

80.00 Set an iron post 3ft. long, 2 ins. in diam. 24 ins. in the ground for the cor. of secs.3, 4, 9, and 10. marked on brass cap

T1SR10W in N. and
1914 in S 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 1½ ft. high W. of cor.Pits impracticable/

Land, rolling.

Soil, rocky, 4th rate.

No timber.

Undergrowth.paloverde and greasewood.

subdivision of Tp.1 S.Rg 16 W.

Chains	
	N.89° 58'E. on a random line bet. secs. 3 and 10.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.92	Intersect N. and S. line 2 lks. N. of the cor. for secs. 2, 3, 10, and 11.
	Thence I run
	S.89° 59'W. on a true line bet. secs. 3 and 10.
	Over rolling land, through dense brush.
19.00	Cross wash 20 lks. wide course S. E.
39.96	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in the ground for the $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S3 in N. and S10 1914 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high; N. of cor. Pits impracticable.
67.00	Ascend precipitous bluff.
79.92	The cor. of secs. 3, 4, 9, and 10.
	Land, mountainous and rolling.
	Soil, rocky, 4th rate.
	No timber.
	Undergrowth, paloverde, greasewood; and ironwood.

	N.0° 02'W., on a true line, bet. secs. 3 & 4.
	Over mountainous, land, dense brush.
4.10	Descend precipitous bluff.
19.20	Bottom of descent. Thence over rolling land.
40.00	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in the ground for the $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S4 in W. S3 in E. and 1914 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high. W. of cor, Pits impracticable.
55.75	Cross wash 40 lks. wide course E.
75.40	Ascend to cor.
80.60	Intersect G. & S. R. Base line, 10 15 chains E. of the true pt. for $\frac{1}{4}$ sec. cor. of secs 33 & 34, T.1 N., R.10 W., estab. by Jesse B. Wright, as described in book "C". At point of intersection, 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,
	CC S. of center;
	T.1 N. R.10 W. S33 S34 in N. and
	1914 in S. half;
	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.
	Land, mountainous.
	Soil, rocky, 4th rate.
	No timber.
	Undergrowth, greasewood, paloverde, ironwood, and cactus.
	Note: May 1; At this cor. I set off 15° 0 $\frac{1}{2}$ ' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. 33° 22 $\frac{1}{2}$ ' N.
	May 1, 1914.

	1914
	April, 29; At 7h 30m a.m. l.m.t., I set off 33° 17 $\frac{1}{2}$ ' N. on the lat. arc; 14° 20 $\frac{1}{2}$ ' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp. Estab. by me as described in book "B" Thence I run
	N.0° 02'W. bet. secs. 32 and 33.
	Over level land, through dense brush.
7.10	Cross wash 15 lks. course S. W. Leave level land for choppy hills, 1st rate for 4th rate soil.
15.00	Cross wash 40 lks. wide course S. W.
40.00	Set an iron post 3ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S32 in W. S33 in E. and 1914 in S. half; from which
	A Paloverde 5 ins. diam. bears N.70° W. 5 lks. dist. marked $\frac{1}{4}$ S32BT.
	A Paloverde 5 ins. diam. bears S.35° E. 156 lks. dist. marked $\frac{1}{4}$ S33BT.

Subdivision of Tp. 1 S. Rg. 10 W.

Chains

56.00
80.00

Cross old road bears N. W. and S.E.
Set an iron post 3ft. long 2 ins. in diam. 24 ins. in the ground for the cor of secs. 28, 29, 32, and 33. marked on brass cap

T1SR10W in N. and
1914 in S. half;
S29 in N.W.
S28 in N.E.
S33 in S.E. and
S32 in S. W. quadrant; from which

A Paloverde 6 ins. diam. bears N. 13 1/4° W. 87 lks. dist., marked T1SR10WS29BT.

A Paloverde 7 ins. diam. bears N. 82 1/4° E. 110 lks. dist., marked T1SR10WS28BT.

A Paloverde 6 ins. diam. bears S. 26 1/2° E. 32 lks. dist. marked T1SR10WS33BT.

A Paloverde 8 ins. diam. bears S. 24° W. 169 lks. dist. marked T1SR10WS32BT.

Land, choppy hills.

Soil, 4th rate. outcropping granite.

No timber.

Undergrowth, greasewood, paloverde, and ironwood.

40.00
80.02

East on a random line bet. secs. 28 and 33.

Set temp. 1/4 sec. corr

Intersect N. and S. line 5 lks. N. of cor. of secs. 27, 28, 33 and 34.

Thence I run

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

Over choppy hills through dense brush.

40.01

Set an iron post 3 ft. long lin. diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap S28 in N. and S33 1914 in S. half; from which

A Paloverde 5 ins. diam. bears N. 22 1/4° W. 21 lks. dist., marked 1/4 S28BT.

A Paloverde 5 ins. diam. bears S. 66 1/4° E. 71 lks. dist., marked 1/4 S33BT.

80.02

The cor. of secs. 28, 29, 32 and 33.

Land choppy hills.

Soil, rocky 4th rate.

No timber.

Undergrowth, paloverde, ironwood and greasewood.

16.00
40.00

N. 0° 02' W. bet. secs. 28 and 29.

Over choppy hills.

Through dense brush.

Cross wash 25 lks. wide course W.

Set an iron post 3 ft, long 1 in. diam. 26 in. in the ground for 1/4 sec. cor., marked on brass cap 1/4 S29 in W. S28 in E. and 1914 in S. half; from which

A Paloverde 7 ins. diam. bears N 10 1/2° W. 103 lks. dist., marked 1/4 S29BT.

A Paloverde 5 ins. in diam. bears N. 59° E. 154 lks. dist., marked 1/4 S28BT.

52.79
80.00

Cross wash 15 lks. wide course N. W.

Set an iron post 3 ft. long 2 ins. in diam. 34 ins. in the ground for the cor. of secs. 20, 21, 28, and 29., marked on brass cap

T1SR10W in N. and
1914 in S. half;

S20 in N. W.

S21 in N. E.

S28 in S. E. and

S29 in S. W. quadrant; from which

A Paloverde 5 ins. diam. bears N. 63 1/4° W. 163 lks. dist., marked T1SR10WS20BT.

Subdivision of Tp. 1 S. Rg. 10 W

Chains

An Ironwood 5 ins. diam. bears S. 71 $\frac{1}{4}$ ° E. 132 lks. dist., marked T1SR1OWS28BT. No other trees near.
 Dig pits 18 x 18 x 12 ins in each sec. 5 $\frac{1}{2}$ ft. dist., and raise a mound of earth 4ft. base 2 ft. high. N.W. of cor.
 Land, choppy hills.
 Soil, sandy, gravelly, rocky, 4th rate.
 No timber.
 Undergrowth, paloverde, ironwood, greasewood, and cactus.

40.00
79.98

S. 89° 58' E. on a random line bet. secs. 21 and 28.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line 4 lks. S. of the cor. of secs. 21, 22, 27, and 28.

4.50
39.99

Thence I run
 West on a true line bet. secs. 21 and 28.
 Over choppy hills, through dense brush.
 Cross wash 25 lks. wide course N.W.
 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 $\frac{1}{4}$ S21 in N. and S28 1914 in S. half; from which
 A Paloverde 6 ins. diam. bears N. 42 $\frac{1}{4}$ ° E. 111 lks. dist. marked $\frac{1}{4}$ S21BT.
 A Paloverde 8 ins. diam. bears S. 62 $\frac{1}{4}$ ° E. 195 lks. dist., marked $\frac{1}{4}$ S28BT.

68.00
79.98

Cross wash 12 lks. wide course N. W.
 The cor. of secs. 20, 21, 28, and 29.
 Land, choppy hills.
 Soil, sandy, gravelly, rocky, 4th rate.
 No timber.
 Undergrowth, paloverde, ironwood, greasewood, and cactus.

15.00
40.00

N. 0° 02' W. bet. secs. 20 and 21.
 Over rolling hills, through dense brush.
 Cross wash 30 lks. wide course W.
 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 $\frac{1}{4}$ S20 in W. S21 in E. and 1914 in S. half; and raise a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft high. N.W. of cor. Pits impracticable.

47.65
58.50
80.00

Cross wash 40 lks. wide course W.
 Cross wash 20 lks. wide course N. W.
 Set an iron post 3 ft long, 2 ins. in diam. 24 ins. in the ground for the cor of secs. 16, 17, 20 and 21, marked on brass cap
 T1SR1OW in N, and
 1914 in S. half;
 S17 in N. W.
 S16 in N. E.
 S21 in S. E. and
 S20 in S. W. quadrant; from which
 A Paloverde 5 ins diam. bears N. 47 $\frac{3}{4}$ ° W. 110 lks. dist., marked T1SR1OWS17BT.
 A Paloverde 6 ins. diam. bears N 58 $\frac{3}{4}$ ° E. 236 lks. dist., marked T1SR1OWS16BT.
 An Ironwood 6 ins. diam. bears S. 1° E. 205 lks. dist., marked T1SR1OWS21BT.
 A Paloverde 8 ins. diam. bears S10 $\frac{1}{4}$ ° W 212 lks. dist., marked T1SR1OWS20BT.

Land, rolling hills.
 Soil, gravelly, rocky, 4th rate.
 No timber.

Note:

April, 29; At this cor. I set off 14° 23 $\frac{1}{2}$ ' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 33° 20' N.

Subdivision of Tp.1 S. Rg. 10 W.

Chains

40.00 East on a random line bet. secs. 16 and 21.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line 2 lks S. of 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 rolling land, through dense brush.
 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 $\frac{1}{4}$ S16 in N. and S21 1914 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
 79.96 The cor. of secs. 16, 17, 20 and 21.
 Land, rolling.
 Soil, Sandy, rocky, 4th rate.
 No timber.
 Undergrowth, paloverde, ironwood and greasewood.

N. 0° 02' W. bet. secs. 16 and 17.
 Over rolling land, through dense brush.
 15.50 Cross wash 20 lks. wide S. W.
 40.00 Set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S17 in W. S 16 in E. and 1914 in S. half; from which
 A Paloverde 5 in. diam. bears S. 13 $\frac{1}{4}$ ° E. 106 lks. dist., marked $\frac{1}{4}$ S16BT.
 A Paloverde 5 ins. diam. bears S. 87 $\frac{1}{4}$ ° W. 83 lks. dist., marked $\frac{1}{4}$ S17BT.

55.50 Cross wash 20 lks. wide course S..W.
 65.00 Cross same wash 10 lks. wide course S. E.
 74.00 Ascend S. slope of ridge.
 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for the cor. of secs. 8, 9, 16, and 17., marked on brass cap
 T1SR10W in N. and
 1914 in S. 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, rolling.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, paloverde, ironwood, and greasewood.

N. 89° 59' E. on a random line bet. secs. 9 and 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line 5 lks. N. of the cor. of secs. 9, 10, 15, and 16.

Thence I run
 N89° 59' W. on a true line bet. secs. 9, and 16.
 Over rolling land, through dense brush. Ascend.
 3.00 Top of rocky ledge bears N.W and S. E. Descend.
 39.98 Set an iron post 3 ft. long, 1 in. diam. 26 ins. in the ground for the $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S9 in N. and S16 1914 in S. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ high N. of cor. Pits impracticable.
 65.50 Top of low ridge bears N. and S. Descend to cor.
 79.96 The cor. of secs. 8, 9, 16, and 17.
 Land, rolling.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, greasewood and paloverde.

Subdivision of Tp. 1 S. Rg. 10 W.

Chains

N. 0° 02' W. bet. secs. 8 and 9.
 Over mountainous land, through dense brush. Ascend.
 12.50 Top of ridge 200 ft. high bears N. W. and S. E. Descend.
 28.50 Cross wash 15 lks. wide course S.W. Enter level land.
 40.00 Set an iron post 3 ft. long 1 in. diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S8 in W.
 S9 in E. and 1914 in S. 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. in diam. 24 ins. in the
 ground for the cor of secs. 4, 5, 8, and 9, marked on
 brass cap
 T1SR10W in N. and
 1914 in S. 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, $1\frac{1}{2}$ high, W. of Cor. Pits impracticable.
 Land, mountainous, 28.50 chs. Level, 51.50 chs.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, paloverde, greasewood, and ironwood.

April, 29, 1914.

1914
 May, 1; S. 89° 59' E. on a random line bet. secs. 4 and 9.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. and S. line 2 lks. N. of cor of secs. 3, 4,
 9, and 10.
 Thence I run
 N. 89° 58' W. on a true line bet. secs. 4 and 9.
 Over mountainous land, through dense brush. Ascend.
 6.00 Top of high ridge bears N.W. and S.E. 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 $\frac{1}{4}$ S4 in N.
 S9 in E. and 1914 in S. half; and raise a mound of stone
 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 46.00 Bottom of descent. Thence over level land.
 79.94 The cor. of secs. 4, 5, 8, and 9.
 Land, mountainous and level.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, greasewood, paloverde, and cactus.

N. 0° 02' W., on a true line, bet. secs. 4 & 5.
 Over rolling land ascending, through scattering brush.
 25.36 Foot of bluff 100 ft. high E. and W.
 40.00 Set an iron post 3 ft. long 1 in. diam. 26 ins. in the
 ground for the $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S5 in W.
 S4 in E. and 1914 in S. half; and raise a mound of stone
 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 77.80 Cross wash 40 lks. wide course E.
 80.62 Intersect G. & S. R. Base Line, 10744 chs. E. of std. cor. of secs.
 32 & 33, T. 1 N., R. 10 W., estab. by Jesse B. Wright, as described
 in book "C". At point of intersection, set an iron post, 3 ft.
 long, 2 ins. diam., 24 ins. in ground, for closing cor. of secs.
 4 & 5, marked on brass cap, CC S. of center,
 T1NR10W S32 S33 in N, and
 1914 in S. half;
 S4 in S. E.
 S5 in S. W. quadrant; and raise a mound of stone
 2 ft. base $1\frac{1}{2}$ ft. high on S. of cor. Pits impracticable.
 Land, rolling and mountainous.
 Soil, rocky 4 th. rate.
 No timber.
 Undergrowth, greasewood and cactus.

John P. Hesse May, 1, 1914.

U.S. Surveyor

Subdivision of Tn. 1 S. Rg. 10 W.

Chains.

GENERAL DESCRIPTION.

This township is rolling and mountainous and the soil is generally rocky and of little value for agricultural purposes. The mountains are of volcanic origin and barren. There is no water or timber in the township, and no settlers.

John F. Hesse
U. S. Surveyor.

Jesse B. Wright, U.S. Surveyor.

April 30, 1914. At 7 h. 30 m. a.m., l.m.t., I set off 33° 17 1/2' N., on the lat. arc; 14° 39' N., on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the T. established by John F. Hesse, U. S. Surveyor, as described in Book "B".

Thence I run N. 0° 3' W., bet. secs. 31 and 32. Descending from top of hill. Through dense undergrowth.

5.00
11.00
32.00
40.00

Gulch, 15 lks. wide, course East.
Gulch, 10 lks. wide, course East.
Wash, 15 lks. wide, course S.E., ascend.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in ground, for 1/4 sec. cor., marked on brass cap,

1/4 S 31 in W.,
S 32 in E., and

1914, in S. half, from which
A palo verde, 8 ins. in diam., brs. N. 15° E., 17 lks. dist., marked 1/4 S 32 B T.

A palo verde, 10 ins. in diam., brs. S. 42° W., 92 lks. dist., marked 1/4 S 31 B T.

45.00
69.10
76.00
80.00

Top of W. slope of hill descend.
Wash, 15 lks. wide, course N. W., ascend.
Top of W. slope of hill, descend.
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, marked on brass cap,

T 1 S R 10 W in N., and
1914 in S. half,
S 30 in N. W.,
S 29 in N. E.,
S 32 in S. E., and
S. 31 in S. W., quadrants, and

raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of post. Pits impracticable.
Land rolling and mountainous.
Soil, Rocky, 4th rate.
Scattering timber.
Undergrowth, dense greasewood, palo verde cacti and ocotillo.

40.00
80.01

East, on a random line, bet. secs. 29 and 32.
Set temporary 1/4 sec. cor.
Intersect N. and S. line, 2 lks. S. of the cor. of secs. 28, 29, 32 and 33, hereinbefore described.

Thence I run
S. 89° 59' W., on a true line, bet. secs. 29 and 32.
Over rolling and mountainous land, through scattering brush. Ascend.

30.00
40.005

Ridge, brs. N. and S., descend.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,
1/4 S 29 in N., and
S 32 1914 in S. half,
raise a mound of stone, 2 ft. base, 1 1/2 ft. high N. of cor.
Pits impracticable.

Chains	
41.00	Gulch, 15 lks. wide, course N.N.W., ascend.
45.00	Ridge, brs. N. and S., descend.
63.00	Gulch, 15 lks. wide, course N., ascend.
69.00	Ridge, brs. N. and S., descend.
80.01	The cor. of secs. 29, 30, 31 and 32. Land rolling and mountainous. Soil, rocky, 4th rate. No timber. Undergrowth, greasewood, palo verde, ocotillo and cacti.

	West, on a random line, bet. secs. 30 and 31.
40.00	Set temporary $\frac{1}{4}$ sec. cor.
78.18	Intersect the west boundary of the Tp. 4 lks. S. of the cor. of secs. 25, 30, 31 and 36, established by John F. Hesse, U. S. Surveyor as described in Book "B". Thence I run S. $89^{\circ} 58'$ E., on a true line, bet. secs. 30 and 31. Over broken rolling land through dense brush.
10.18	Ascend steep rocky slope.
38.18	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 in N., and S 31 1914, in S. half, raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable. Descend.
44.98	Wash, 40 lks. wide, course N.W., ascend.
78.18	The cor. of secs. 29, 30, 31 and 32. Land broken and rolling. Soil 3rd rate. No timber. Underbrowth, dense greasewood, palo verde, ocotillo and cacti.

	N. $0^{\circ} 3'$ W., bet. secs. 29 and 30. Over broken rolling land, thru dense brush.
8.50	Gulch, 20 lks. wide, course west.
21.70	Wash, 30 lks. wide, course S.W.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 30 in W., S 29 in E., and 1914 in S. half, from which A palo verde, 8 ins. in diam., brs. S. 55° E., 102 lks. dist., marked $\frac{1}{4}$ S 29 B. T. No other tree within limits. Dig pits 18 x 18 x 12 ins. N. & S. of post 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
55.00	Wash, 20 lks. wide, course west, ascend.
65.50	Road, brs. S.E. and N.W.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked on brass cap, T 1 S R 10 W. in N., and 1914 in S. half, S 19 in N. W., S 20 in N. E., S 29 in S. E., and S 30 in S. W., quadrants, from which A palo verde 10 ins. in diam., brs. N. 48° E., 175 lks. dist., marked T 1 S R 10 W S 20 B T. A palo verde, 6 ins. in diam., brs. S. $80\frac{1}{2}^{\circ}$ E., 246 lks. dist., marked T 1 S R 10 W S 29 B T. A palo verde, 8 ins. in diam. brs. S. 37° W., 280 lks. dist., marked T 1 S R 10 W S 30 B T. A plao verde, 6 ins. in diam., brs. N. 86° W., 204 lks. dist., marked T 1 S R 10 W S 19 B T. Land broken and rolling. Soil 3rd rate. Timber, scattered.

Subdivision of T. 1 S., R. 10 W.

Chains	Undergrowth, dense greasewood, palo verde, cacti and ocotillo.

40.00	N. 89° 59' E., on a random line, bet. secs. 20 and 29. Set temporary $\frac{1}{4}$ sec. cor.
80.03	Intersect the cor. of secs. 20, 21, 28 and 29, hereinbefore described.
	Thence I run
7.80	S. 89° 59' W., on a true line, bet. secs. 20 and 29. Over broken rolling land, thru dense brush.
40.015	Wash, 20 lks. wide, course N. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap.
	$\frac{1}{4}$ S 20 in N., and S 29 1914 in S., half, from which
	A palo verde, 7 ins. in diam., brs. S. 41 $\frac{1}{2}$ ° E., 140 lks. dist., marked $\frac{1}{4}$ S 29 B T.
	A palo verde, 8 ins. in diam., brs. N. 23° W., 95 lks. dist., marked $\frac{1}{4}$ S 20 B T.
Note:	At this cor. April 30, I set off 14° 42' N., on the decl. arc; and observe the sun on the meridian at noon; the resulting latitude is 33° 19' N.
62.40	Wash, 60 lks. wide, course N.
80.03	The cor. of secs. 19, 20, 29 and 30. Land broken and rolling. Soil, 3rd rate. Timber, very scattering. Undergrowth, dense greasewood, ocotillo and cacti.

40.00	N. 89° 58' W., on a random line bet. secs. 19 and 30. Set temporary $\frac{1}{4}$ sec. cor.
78.20	Intersect the west bdy. of T., 7 lks. S. of the cor. of secs. 19, 24, 25 and 30, established by John F. Hesse, U. S. Surveyor, as described in Book "B"
	Thence I run
28.00	S. 89° 55' E., on a true line, bet. secs. 19 and 30. In draw, course S. W. Thru dense undergrowth. Leave draw.
38.20	Set an iron post, 3 ft. long, 1 in. in diam. 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 in N., and S 30 1914 in S. half, from which
48.00	A palo verde, 8 ins. in diam., brs. N. 12° E., 150 lks. dist., marked $\frac{1}{4}$ S 19 B T. No other tree within limits. Dig pits 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
68.85	Wash, 20 lks. wide, course N.W. Road, brs. N. W. and S.E.
78.20	The cor. of secs. 19, 20, 29 and 30. Land, rolling. Soil, in draw 1st rate, remainder 2nd rate. Timber, very scattering. Undergrowth, dense greasewood, palo verde, ironwood and cacti.

7.60	N. 0° 3' W., bet. secs. 19 and 20. Over rolling land, thru dense undergrowth. Wash, 20 lks. wide, course N. W.
31.00	Wash, 100 lks. wide, course S.W.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 19 in W., S 20 in E, and 1914 in S. half. Dig pits 18 x 18 x 12 ins., N. and S. of post 3 ft. dist., and raise a mound of earth, 3 $\frac{1}{2}$ ft. 1 $\frac{1}{2}$ ft. high, W. of cor.

Chains 80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 17, 18, 19 and 20, marked on brass cap, T 1 S R 10 W in N., and 1914 in S. half; S 18 in N. W., S 17 in N. E., S 20 in S. E., and S 19 in S. W., quadrants.</p> <p>From which, a palo verde, 10 ins. in diam., brs. N. 34° E., 90 lks. dist., marked T 1 S R 10 E S 17 B T. No. other trees within limits. Dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.</p> <p>Land rolling. Soil, 2nd rate. No timber. Undergrowth, dense greasewood, palo verde, ocotillo, and cacti.</p> <p>-----</p>
40.00	N. 89° 59' E., on a random line, bet. secs. 17 and 20.
80.02	Set temporary ¼ sec. cor. Intersect N. and S. line, 2 lks. N. of the cor. of secs. 16, 17, 20 and 21, hereinbefore described. Thence I run, West, on a true line, bet. secs. 17 and 20. Over rolling land, thru dense undergrowth.
24.00	Wash, 60 lks. wide, course S.W.
40.01	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap. ¼ S 17 in N., and S 20 1914 in S. half, and Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
80.02	The cor. of secs. 17, 18, 19 and 20. Land rolling. Soil, 2nd rate. No timber. Undergrowth, dense greasewood, palo verde, cacti and ocotillo.
40.00	N. 89° 55' W., on random line, bet. secs. 18 and 19. Set temporary ¼ sec. cor.
78.10	Intersect W. bdy. of T. at the cor. of Secs. 13, 18, 19, and 24, established by John F. Hesse, U. S. Surveyor, as described in Book "B". Thence I run S. 89° 55' E., on a true line, bet. secs. 18 and 19. Over rolling land, thru dense undergrowth.
8.50	Wash, 50 lks. wide, course S.W.
38.10	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap, ¼ S 18 in N., and S 19 1914 in S. half. Dig pits 18 x 18 x 12 ins. E. and W. of cor. 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
78.10	The cor. of secs. 17, 18, 19 and 20. Land rolling. Soil, 2nd and 3rd rate. No timber. Undergrowth, dense greasewood, palo verde, cacti and ocotillo.

April 30, 1914.

Subdivision of T. 1 S., R. 10 W.

Chains	May 1, 1914. At 7 h. 30 m., a.m., l.m.t., I set off 33° 20' N., on the lat. arc, 14° 57½' 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. 0° 3' W., bet. secs. 17 and 18. Over rolling land thru dense undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. marked on brass cap, ¼ S 18 in W, S 17 in E., and 1914 in S. Half. Dig pits 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high W. of cor.
52.90	Wash, 30 lks. wide, course S.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, marked on brass cap, T 1 S R 10 W in N., and 1914 in S. half; S 7 in N.W., S 8 in N. E., S 17 in S. E., and S 18 in S. W., quadrant, from which A sharp pinnacle of Eagle Tail Peak brs. N. 9° 56' E. A palo verde, 8 ins. in diam. brs. S. 8¼° E., 154 lks. dist., marked T 1 S R 10 W S 17 B T: No other trees within limits. Raise a md. of stone, 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. Land rolling. Soil, rocky, 3rd and 4th rate. No timber. Undergrowth, dense greasewood, palo verde, ocotillo, and cacti.

	East on a random line bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
80.13	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 8, 9, 16 and 17, hereinbefore described. Thence I run S. 89° 57' W., on a true line bet. secs. 8 and 17. Over hilly land, through dense undergrowth. Ascend.
7.80	Ridge, brs. N. and S.
23.40	Gulch, 15 lks. wide, course south.
27.00	Gulch, 20 lks. wide, course south.
40.065	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap, ¼ S 8 in N, and S 17 1914 in S. half, Raise a md. of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
51.00	Wash, 25 lks. wide, course south.
69.00	Gulch, 40 lks. wide, course S.W.
80.13	The cor. of secs. 7, 8, 17 and 18. Land, hilly and rolling. Soil, 2nd and 3rd rate. No timber. Undergrowth, dense greasewood, palo verde, ocotillo and cacti.

	N. 89° 55' W., on a random line, bet. secs. 7 and 18.
40.00	Set temporary ¼ sec. cor.
78.10	Intersect the W. bdy. of T. 2 lks. S. of the cor. of secs. 7, 12, 13 and 18, established by John F. Hesse, U. S. Surveyor as described in Book "B". Thence I run S. 89° 54' E., on a true line bet. secs. 7 and 18. Over broken, hilly land thru dense undergrowth.
4.00	Wash 30 lks. wide, course South.
38.10	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in

Subdivision of T. 1 S., R. 10 W.

Chains	<p>the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 7 in N., and S 18 1914 in S. half, from which. An ironwood, 12 ins. in diam., brs. N. 64° E., 90 lks. dist., marked $\frac{1}{4}$ S 7 B T. A palo verde, 12 ins. in diam., brs. S. 24° W., 111 lks. dist., marked $\frac{1}{4}$ S 18 B T.</p>
40.00	Gulch, 10 lks. wide, course South.
49.00	Gulch, 15 lks. " " "
64.00	Wash 25 " " " "
74.00	" 15 " " " "
78.10	The cor. of secs. 7, 8, 17 and 18. Land, hilly and rolling. Soil, 3rd rate. Timber, scattering. Undergrowth, dense greasewood, ironwood, palo verde, ocotillo and cacti.

	<p>N. 0° 3' W., bet. secs. 7 and 8. Ascend slightly over rocky land, thru scattering under- growth.</p>
26.00	Rocky draw, 50 lks. wide, course S.W.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 7 in W., S 8 in E., and 1914 in S. half. 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. in diam., 24 ins. in the ground for cor. of secs. 5, 6, 7 and 8, marked on brass cap, T 1 S R 10 W in N., and 1914 in S. half, S 6 in N. W., S 5 in N. E., S 8 in S. E., and S 7 in S. W., quadrants. Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable. Land, hilly. Soil, rocky. No timber. Undergrowth, scattering yuccas, palo verde, greasewood, and cacti.

	<p>At the cor. of secs. 5, 6, 7 and 8, May 1, 1914, I set off 15° 00$\frac{1}{2}$' N., on the decl. arc, and observe the sun on the meridian at noon. The resulting latitude is 33° 21$\frac{1}{2}$' N Thence I run</p>
40.00	N. 89° 57' E., on a random line, bet. secs. 5 and 8. Set temporary $\frac{1}{4}$ sec. cor.
80.16	Intersect the N. and S. line, 7 lks. N. of the cor. of secs. 4, 5, 8 and 9, hereinbefore described Thence I run
	West, on a true line, bet. secs. 5 and 8. Over level land, thru scattering undergrowth.
40.08	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 5 in N., and S 8 1914 in S. half. Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor. Pits impracticable.
46.56	Wash 25 lks. wide, course south, leave level land. Ascend.
53.16	Top of small spur, bears south, descend.
68.26	Wash, 25 lks. wide, course S. W., ascend.
75.16	Top of small ridge, bears N. E. and S. W., desc.
80.16	The cor. of secs. 5, 6, 7 and 8. Land, 46.56 chs. level, 39.60 chs., rolling.

Subdivision of T. 1 S., R. 10 W.

Chains

Soil, 4th rate.
Timber, scattering.
Undergrowth, greasewood and cactus.

N. 89° 54' W., on a random line, bet. secs. 6 and 7.

40.00
78.00

Set temporary $\frac{1}{4}$ sec. cor.
Intersect W. bdy. of T. 7 lks. N. of the cor. of secs. 1, 6, 7, and 12, established by John F. Hesse, U. S. Surveyor, as described in Book "B".

Thence I run
S. 89° 57' E., on a true line, bet. secs. 6 and 7.
Over rolling, rocky land. Scattering timber and undergrowth.

37.96
38.00

Wash, 20 lks. wide, course south.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 6 in N., and S 7 1914 in S. half.

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

65.86
78.00

Wash 25 lks. wide, course south.
The cor. of secs. 5, 6, 7 and 8.
Land, rolling.
Soil, rocky, 4th rate.
Timber, scattering.
Undergrowth, scattering greasewood and cacti.

N. 0° 3' W., bet. secs. 5 and 6, on a true line.
Over rolling and mountainous land. Ascend gradually.
Begin precipitous ascent over broken ledges.

30.00
36.00
40.00

Top of ascent brs. E.S.E.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 6 in W., S 5 in E., and 1914 in S. half.

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

42.80
51.00
52.00

Descend abrupt N. slope.
Wash, 75 lks. wide, course S.W.
Ascend.

80.35

Intersect the N. bdy. of T. (G. & S. R. Base Line) 10.26 chs. E. of the Std. cor. of secs. 31 and 32, T. 1 N., R. 10 W., established by me as described in Book "C".
At point of intersection, I set an iron post, 3 ft. long, 2 ins. in diam. 24 ins. in the ground, for closing cor. of Secs. 5 and 6, marked on brass cap,
C C S of center,
T 1 N R 10 W S 31 S 32 in N., and 1914 in S. half,
S 5 in S. E., and S 6 in S. W. quadrants.

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor. Pits impracticable.
Land rolling and mountainous.
Soil, rocky 4th rate.
No timber.
Undergrowth, greasewood and cacti.

May 1, 1914.

For General Description see page 19, hereof.

Jesse B. Wright
U. S. Surveyor.

202
2807


FOR FINAL OATH OF UNITED STATES SURVEYOR.
See Book "E"

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 *Aug 27*, 1915

The foregoing field notes of the survey of the
Subdivision lines of
Township 1 South Range 10 West
of the Gila and Salt River Base & Meridian
in the State of Arizona

executed by John F. Hesse and Jesse B. Wright, U.S. Surveyors
under ~~the~~ ^{their} special instructions dated October 21, 1913 for Group 32, ~~for~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
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.~~