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Dec 31, 1917

BOOK 3079

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES

of

TOWNSHIP 3 SOUTH, RANGE 2 WEST.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

W. H. Thorn,

and

W. G. Shapcott,

In the capacity of U. S. Surveyors, under instructions dated October 8, 1915,
issued by the United States Surveyor General to govern surveys included in
Group No. 58, which were approved by the Commissioner of the General Land
Office, December 17, 1915.

Survey commenced February 7, 1916.

Survey completed February 17, 1916.

3079

BOOK 3079

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- Surveved under this group--notes in this book.
- Surveved under this group--notes in book "A".
- Unsurveved.

Subdivision of T.3 S., R.2 W.

(3)

Chains

Survey commenced Feb. 7, 1916 and executed with Young and Sons light mountain transits Nos. 8592 and 8521, as described in book "A".
 From recent and repeated field tests we know the transits and solar attachments to be insatisfactory adjustment. (For tests of the solar attachments on a mer. determined by observations on Polaris, see beginning of notes of subdivision of T.4 S., R.1 W.
 Feb. 7, 1916, at 9h., a.m., l.m.t., I set off 33° 7' N. on the decl. arc; 15° 32' S. on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 1, 2, 35 and 36, S. bdy. of tp., as described in book "A".

Thence
 N. 0° 1' W. bet. secs. 35 and 36.
 Over level land, through scattering timber and undergrowth.

4.70
 20.00
 40.00

Wash, 15 lks. wide, 1 ft. deep, course, N. 40° E.
 Wash, 15 lks. wide, 1 ft. deep, course, N. 40° E.
 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
 S 35 $\frac{1}{4}$:S 36

1916

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

68.70
 80.00

Wash, 10 lks. wide, 1 ft. deep, course, N. 40° E.
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 25, 26, 35 and 36, with brass cap mkd.

T 3 S R 2 W
S 26:S 25
 S 35:S 36

1916

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, level.
 Soil, sandy clay, 1st rate.
 Timber, iron wood and palo verde.
 Undergrowth, greasewood, ocotillos and sacti.

40.00
 79.97

East on a random line bet. secs. 25 and 36.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect E. bdy. of tp. at cor. of secs. 25, 30, 31 and 36, as described in book "A".

Thence
 West on a true line bet. secs. 25 and 36.
 Over level land, through scattering timber and undergrowth.

35.00
 39.98 $\frac{1}{2}$

Wash, 20 lks. wide, 2 ft. deep, course, N. 40° E.
 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

S 25
 $\frac{1}{4}$
 S 36

1916

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.

66.70
 79.97

Wash, 15 lks. wide, 1 ft. deep, course, N. 30° E.
 Cor. of secs. 25, 26, 35 and 36.
 Land, level.
 Soil, sandy clay, 1st rate.
 Timber, iron wood and palo verde.
 Undergrowth, greasewood.

Chains

Feb. 7, 1916, at 10h. 20m., a.m., 1 m.t., I observe Polaris at E.E. in accordance with instructions in the Manual of Surveying, and lay off the azimuth of Polaris, 1° 21' to the W. From this mer., the bearing of my line is N. 0° 1' W. as determined by solar observations.

Thence

N. 0° 1' W. bet. secs. 25 and 26.

Over level land, through scattering timber and undergrowth.

33.10

Wash, 15 lks. wide, 2 ft. deep, course, N. 40° E.

40.00

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

S 26 $\frac{1}{4}$:S 25

1916

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

72.30

Wash, 50 lks. wide, 3 ft. deep, course, N. 80° E.

80.00

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

T 3 S R 2 W.

S 23:S 24

S 26:S 25

1916

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, level.

Soil, sandy clay, gravelly, 1st rate.

Timber, iron wood and palo verde.

Undergrowth, greasewood.

40.00

East on a random line bet. secs. 24 and 25.

80.02

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

Intersect E. bdy. of tp. 2 lks. S. of cor. of secs. 19, 24, 25 and 30, as described in book "A".

Thence

S. 89° 59' W. on a true line bet. secs. 24 and 25.

Over level land, through scattering timber and undergrowth.

23.30

Wash, 20 lks. wide, 2 ft. deep, course, N. 80° E.

26.60

Wash, 15 lks. wide, 2 ft. deep, course, N. 80° E.

38.50

Wash, 25 lks. wide, 2 ft. deep, course, S. 80° E.

40.01

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

S 24

S 25

1916

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.

53.90

Wash, 50 lks. wide, 3 ft. deep, course, N. 80° E.

80.02

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

Land, level.

Soil, sandy clay, 1st rate.

Timber, iron wood and palo verde.

Undergrowth, greasewood.

Subdivision of T.3 S., R.2 W.

Chains

N. 0° 1' W. bet. secs. 23 and 24.
 Over level land, through scattering timber and under-
 growth.
 20.00 Asc. SE. slope of rocky range, 294 ft. to
 40.00 Ridge, brs. S. 60° E. and N. 60° W.
 Set an iron post 3 ft. long, 1 in. in diam., on surface
 rock, in a mound of stone, 4 ft. base, 2½ ft. high
 for ¼ sec. cor. with brass cap mkd.
 S 23 ¼ : S 24

1916

Pits impracticable.
 Build a mound of stone, 3 ft. base, 2 ft. high W. of cor.
 Desc. NE. slope, 339 ft. to level land.
 57.30 Foot of mountains, brs. S. 60° E. and N. 60° W.
 62.30 Enter level land.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground for cor. of secs. 13, 14, 23 and 24, with
 brass cap mkd.

T 3 S R 2 W.
 S 14 : S 13
 S 23 : S 24
 , 1916

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

Land, level and hilly.
 Soil, sandy gravelly clay, 2nd rate on level, remainder
 rocky, granite formation, 4th rate.
 Timber, iron wood and palo verde.
 Undergrowth, greasewood and giant cacti.
 Feb. 7, 1916, at this cor. I set off 15° 31' S. on the
 decl. arc; and at apparent noon observe the sun on
 the mer; the resulting lat. is 33° 10' N.

40.00 East on a random line bet. secs. 13 and 24.
 Set temp. ¼ sec. cor.
 80.07 Intersect E. bdy. of tp. 2 lks. S. of cor. of secs. 13,
 18, 19 and 24, as described in book "A".
 Thence
 S. 89° 59' W. on a true line bet. secs. 13 and 24.
 Over level land, through scattering timber and under-
 growth.

15.00 Wash, 15 lks. wide, 1 ft. deep, course, N.
 40.03½ Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for ¼ sec. cor. with brass cap mkd.

S 13
 ¼
 S 24
 1916

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.

40.30 Wash, 15 lks. wide, 1 ft. deep, course, N.
 45.60 Wash, 20 lks. wide, 2 ft. deep, course, N.
 60.30 Wash, 20 lks. wide, 2 ft. deep, course, N. 10° W.
 62.70 Wash, 15 lks. wide, 1 ft. deep, course, N. 10° E.
 80.07 Cor. of secs. 13, 14, 23 and 24.

Land, level.
 Soil, sandy clay, 1st rate.
 Timber, iron wood and palo verde.
 Undergrowth, greasewood.

N. 0° 1' W. bet. secs. 13 and 14.
 Over level land, through scattering timber and under-
 growth.

6

Subdivision of T.3 S., R.2 W.

Chains

40.00

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
S 14 $\frac{1}{4}$:S 13

1916

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

80.00

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

T 3 S R 2 W

S 11:S 12

S 14:S 13

1916

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, level.

Soil, sandy loam, 1st rate.

Timber, iron wood and palo verde.

Undergrowth, greasewood.

40.00

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

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

80.03

Intersect E. bdy. of tp. at cor. of secs, 7, 12, 13 and 18, as described in book "A".

Thence

West on a true line bet. secs. 12 and 13.

Over level land, through scattering timber and undergrowth.

37.80

Wash, 15 lks. wide, 1 ft. deep, course, N.

40.01 $\frac{1}{2}$

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

S 12

 $\frac{1}{4}$

S 13

1916

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.

64.40

Wash, 20 lks. wide, 2 ft. deep, course, N.

66.20

Wash, 20 lks. wide, 2 ft. deep, course, N.

80.03

Cor. of secs. 11, 12, 13 and 14.

Land, level.

Soil, sandy clay, 1st rate.

Timber, iron wood and palo verde.

Undergrowth, greasewood.

Feb. 15, 1916, at 9h., a.m., 1 m. t., I set off $33^{\circ} 10'$ N. on the lat. arc; $12^{\circ} 56'$ S. on the decl. arc; and determine a mer. with the solar at the cor. of secs. 11, 12, 13 and 14.

Thence

N. $0^{\circ} 1'$ W. bet. secs. 11 and 12.

Over level land, through scattering undergrowth.

40.00

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

S 11 $\frac{1}{4}$:S 12

1916

Chains

dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 1, 2, 11 and 12, with brass cap mkd.

T 3 S R 2 W
 S 2 : S 1
 S 11 : S 12
 1916

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

Land, level.
 Soil, sandy clay, 1st rate.
 No timber.
 Undergrowth, greasewood.

40.00 East on a random line bet. secs. 1 and 12.

Set temp. ¼ sec. cor.

80.00 Intersect E. bdy. of tp. 5 lks. N. of cor. of secs. 1, 6, 7 and 12, as described in book "A".

Thence

N. 89° 58' W. on a true line bet. secs. 11 and 12.

Over level land, through scattering timber and undergrowth.

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

S 1
 S 12
 1916

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.

62.90 Wash, 30 lks. wide, 3 ft. deep, course, N. 10° W.

80.00 Cor. of secs. 1, 2, 11 and 12.

Land, level.
 Soil, sandy clay, 1st rate.
 Timber, iron wood and palo verde.
 Undergrowth, greasewood.

At the cor. of secs. 1, 11 and 12.

Feb. 15, 1915, at 9h., 49m., a.m., 1 m.t., I observe Polaris at E.E. in accordance with instructions in the Manual of Surveying, and lay off the azimuth of Polaris, 1° 21' to the W. From the mer. thus determined I find the bearings of my line s to be N. 0° 1' W. and N. 89° 58' W. as determined by solar observations.

Thence

North on a random line bet. secs. 1 and 2.

40.00 Set temp. ¼ sec. cor.

79.95 Intersect N. bdy. of tp. 2 lks. E. of cor. of secs. 1, 2, 35 and 36, as described in book "A".

Thence

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

Over level land, through scattering timber and undergrowth.

17.95 Wash, 30 lks. wide, 3 ft. deep, course, N. 30° W.

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

S 2 ¼ : S 1

1916

dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.

Subdivision of T.3 S., R.2 W.

Chains
79.95

Cor. of secs. 1, 2, 11 and 12.
Land, level.
Soil, sandy clay, 1strate.
Timber, iron wood and palo verde along washes.
Undergrowth, greasewood.

Feb. 9, 1916, at 9h., a.m., 1.m.t., I set off 33° 7' N. on the lat. arc; 14° 55' S. on the decl. arc; and determine a meri with the solar at the cor. of secs. 2, 3, 34 and 35, as described in book "A".

Thence
N. 0° 1' W. bet. secs. 34 and 35.
Over level land, through scattering timber and undergrowth.

6.90 Wash, 15 lks. wide, 1 ft. deep, course, NE.
26.90 Wash, 20 lks. wide, 2 ft. deep, course, N. 20° E.
35.75 Wash, 20 lks. wide, 1 ft. deep, course, N. 45° E.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. with brass cap mkd.
S 34 ¼ : S 35

1916

from which,
A palo verde, 8 ins. in diam., brs. S. 82° E.
112 lks. dist. mkd. ¼ S 35 B T.
An iron wood, 20 ins. in diam., brs. S. 69° W.
58 lks. dist. mkd. ¼ S 34 B T.

68.35 Wash, 20 lks. wide, 2 ft. deep, course, N. 15° E.
75.50 Wash, 15 lks. wide, 1 ft. deep, course, N. 30° E.
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35, with brass cap mkd.

T 3 S R 2 W
S 27 : S 26
S 34 : S 35
1916

from which,
An iron wood, 14 ins. in diam., brs. S. 46° E.
197 lks. dist. mkd. T 3 S R 2 W S 35 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.

Land, level.
Soil, loose gravelly, clay, 2nd rate.
Timber, Iron wood, mesquite and palo verde.
Undergrowth, greasewood.

40.00 East on a random line bet. secs. 26 and 35.
Set temp. ¼ sec. cor.
79.92 Intersect N. and S. line, 3 lks. S. of cor. of secs. 25, 26, 35 and 36.

Thence
S. 89° 59' W. on a true line bet. secs. 26 and 35.
Over level land, through scattering timber and undergrowth.

12.12 Wash, 20 lks. wide, 1 ft. deep, course, NE.
28.20 Wash, 25 lks. wide, 1 ft. deep, course, N. 15° E.
32.50 Wash, 20 lks. wide, 2 ft. deep, course, N.
39.96 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. with brass cap mkd.

Chains	
	<p style="text-align: center;">S 26 $\frac{1}{4}$ <u>S 35</u> 1916</p> <p>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.</p>
46.90	Wash, 20 lks. wide, 1 ft. deep, course, N. 15° E.
56.30	Wash, 20 lks. wide, 1 ft. deep, course, N. 20° E.
58.90	Wash, 15 lks. wide, 1 ft. deep, course, N. 20° E.
68.00	Wash, 12 lks. wide, 2 ft. deep, course, N. 15° E.
74.90	Wash, 20 lks. wide, 2 ft. deep, course, N. 30° E.
77.60	Wash, 15 lks. wide, 2 ft. deep, course, N. 30° E.
79.92	Cor. of secs. 26, 27, 34 and 35. Land, level. Soil, loose, gravelly clay, 2nd rate. Timber, iron wood, mesquite and palo verde. Undergrowth, greasewood.
	<hr/> <p>Feb. 12, 1916, at 8h. 30m., a.m., l.m.t., I set off 33° 8' N. on the lat. arc; 13° 57' S. on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 26, 27, 34 and 35.</p> <p>Thence N. 0° 1' W. bet. secs. 26 and 27. Over level land, through scattering timber and undergrowth.</p>
39.40	Wash, 20 lks. wide, 3 ft. deep, course, N. 10° E.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd. S 27 $\frac{1}{4}$:S 26
	<p style="text-align: center;">1916</p> <p>dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.</p>
44.50	Wash, 50 lks. wide, 4 ft. deep, course, S. 80° E.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 22, 23, 26 and 27, with brass cap mkd.
	<p style="text-align: center;">T 3 S R 2 W. <u>S 22 :S 23</u> <u>S 27 :S 26</u> 1916</p> <p>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.</p> <p>Land, level. Soil, loose gravelly clay, 2nd rate. Timber, mesquite, iron wood and cat claw. Undergrowth, greasewood.</p>
	<hr/> <p>East on a random line bet. secs. 23 and 26.</p>
40:00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect N. and S. line, 4 lks. S. of cor. of secs. 23, 24, 25 and 26.
	<p>Thence S. 89° 58' W. on a true line bet. secs. 23 and 26. Over level land, through scattering timber and undergrowth.</p>
8.40	Wash, 20 lks. wide, 1 ft. deep, course, S.
23.70	Wash, 20 lks. wide, 1 ft. deep, course, S. 30° E.
39.90	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

Chains

S 23

+

S 26

1916

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.

- 47.40 Wash, 20 lks. wide, 1 ft. deep, course, S. 45° E.
 50.55 Wash, 15 lks. wide, 1 ft. deep, course, S. 30° E.
 67.65 Wash, 15 lks. wide, 1 ft. deep, course, S.
 77.55 Wash, 10 lks. wide, 1 ft. deep, course, S. 20° E.
 79.80 Cor. of secs. 22, 23, 26 and 27.

Land, level.

Soil, loose coarse, gravelly clay, 2nd rate.

Timber, palo verde and mesquite.

Undergrowth, greasewood.

Feb. 15, 1916, at 8h., a.m., l.m.t., I set off $33^{\circ} 9'$ N. on the lat. arc; $12^{\circ} 57'$ S. on the decl. arc; and determine a mer. with the solar at the cor. of secs. 22, 23, 26 and 27.

Thence

N. $0^{\circ} 1'$ W. bet. secs. 22 and 23.

Over level land, through scattering timber and undergrowth.

- 11.00 Wash, 20 lks. wide, $1\frac{1}{2}$ ft. deep, course, SE.
 17.00 Leave level land, asc. S. slope, 321 ft. to
 28.81 Spur slopes, SW., desc. NW. slope, 252 ft. to
 37.74 Foot of steep desc. brs. N. 10° E. and S. 10° W.
 40.00 True point for $\frac{1}{4}$ sec. cor. falls in wash, 20 lks. wide, 2 ft. deep, course, N. 70° W. therefore at
 40.50 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for W.C. $\frac{1}{4}$ sec. cor. with brass cap mkd.

S 22 $\frac{1}{4}$:S 23

W C

1916

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

- 43.50 Asc. rocky, S. slope, 80 ft. to
 45.35 Knoll brs. E. 3 chs. dist. and W. 15 chs. dist.
 Desc. NE. slope, 74 ft. to
 48.35 Foot of desc. brs. SE. and W.
 Thence over rolling W. slope.
 62.30 Wash, 30 lks. wide, 4 ft. deep, course, S. 70° W.
 66.10 Wash, 40 lks. wide, 6 ft. deep, course, S. 80° W.
 Asc. SW. slope, 260 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on surface rock, in a mound of stone, for cor. of secs. 14, 15, 22 and 23, with brass cap mkd.

T 3 S R 2 W

S 15:S 14

S 22:S 23

1916

from which,

A palo verde, 8 ins. in diam., brs. N. $21\frac{1}{2}^{\circ}$ E.

59 lks. dist. mkd. T 3 S R 2 W S 14 B T.

A palo verde, 7 ins. in diam., brs. N. $52\frac{1}{2}^{\circ}$ W.

70 lks. dist. mkd. T 3 S R 2 W S 15 B T.

No other trees within limits.

Pits impracticable.

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

Land, level and mountainous.

Soil, loose, coarse, decomposed granite, 2nd rate on level, remainder, rocky, 3rd rate.

Timber palo verde and iron wood.

Undergrowth, greasewood and cacti.

Subdivision of T.3 S., R.2 W.

Chains	
	Feb. 17, 1916, at 8h., a.m., l.m.t., I set off 33° 10' N. on the lat. arc; 12° 16' S. on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 14, 15, 22 and 23.
	Thence
	East on a random line bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.72	Intersect N. and S. line, 10 lks. S. of cor. of secs. 13, 14, 23 and 24.
	Thence
	S. 89° 56' W. on a true line bet. secs. 14 and 23.
	Over level land, through scattering timber and undergrowth.
4.80	Wash, 10 lks. wide, 2 ft. deep, course, N. 30° E.
31.00	Wash, 20 lks. wide, 8 ft. deep, course, NE.
34.87	Leave level land, asc. NE. slope, 80 ft. to
39.86	Set an iron post 3 ft. long, 1 in. in diam., on surface rock, in a mound of stone, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	S 14 $\frac{1}{4}$ S 23 1916
	Pits impracticable.
	Build a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.
	Asc. NE. slope, 429 ft. to
55.68	Ridge brs. N. 70° W. and S. 15° E.
	Desc. SW. slope, 185 ft. to
65.70	Draw, course, S., asc. SE. slope, 62 ft. to
76.60	Spur slopes S., desc. SW. slope, 51 ft. to
79.72	Cor. of secs. 14, 15, 22 and 23.
	Land, level and mountainous.
	Soil, coarse, gravelly clay, 2nd rate on level land, remainder, rocky, 3rd rate.
	Timber, palo verde, iron wood and mesquite.
	Undergrowth, greasewood and cacti.
	N. 0° 1' W. bet. secs. 14 and 15.
	Over rough mountainous land, through scattering timber and undergrowth.
	Asc. SW. slope, 132 ft. to
3.90	Point of ridge slopes SW. asc. SW. slope, 71 ft. to
11.34	Point of ridge, slopes, N. 60° W., desc. rocky NW. slope
100	100 ft. to
20.20	Head of gully, course, SW., asc. SW. slope, 136 ft. to
27.60	Ridge brs. W. and SE., desc. NE. slope, 611 ft. to W.C.
40.00	True point for $\frac{1}{4}$ sec. cor. falls among large granite boulders, therefore at
44.10	Set an iron post 3 ft. long, 1 in. in diam., on surface rock, in a mound of stone, for W.C. $\frac{1}{4}$ sec. cor. with brass cap mkd.
	S 15 $\frac{1}{4}$:S 14 W C 1916
	Pits impracticable.
	Build a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
	Enter level land, brs. E. and W.
66.40	Wash, 10 lks. wide, 1 ft. deep, course, NE.
78.80	Wash, 20 lks. wide, 1 $\frac{1}{2}$ ft. deep, course, NE.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 10, 11, 14 and 15, with brass cap mkd.
	T 3 S R 2 W S 10:S 11 S 15:S 14 1916

12

Subdivision of T.3 S., R.2 W.

Chains

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.

Land, mountainous and level.

Soil, loose sandy clay, 1strate on level land, remainder, loose, coarse, decomposed granite, rocky, 4th rate.

Timber, palo verde.

Undergrowth, greasewood and cacti.

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

40.00 Set temp. ¼ sec. cor.

79.76 Intersect N. and S. line, 5 lks. N. of cor. of secs. 11, 12, 13 and 14.

Thence

N. 89° 58' W. bet. secs. 11 and 14.

Over level land, through scattering timber and undergrowth.

19.60 Wash, 20 lks. wide, 1½ ft. deep, course, N. 15° W.

38.20 Wash, 20 lks. wide, 1½ ft. deep, course, N. 20° E.

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

S 11

+

S 14

1916

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.

77.30 Wash, 10 lks. wide, 1 ft. deep, course, N. 5° E.

79.50 Wash, 20 lks. wide, 1½ ft. deep, course, N. 5° E.

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

Land, level.

Soil, loose sandy clay, 1st rate.

Timber, palo verde and mesquite.

Undergrowth, greasewood.

N. 0° 1' W. bet. secs. 10 and 11.

Over level land, through scattering timber and undergrowth.

10.20 Wash, 10 lks. wide, 1 ft. deep, course, NE.

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

S 10 ¼ : S 11

1916

dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.

59.70 Wash, 10 lks. wide, 1½ ft. deep, course, NE.

71.50 Wash, 10 lks. wide, 1½ ft. deep, course, N. 60° NE.

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

T 3 S R 2 W

S 3 : S 2

S 10 : S 11

1916

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

Land, level.

Soil, loose sandy clah, 1st rate.

Timber, scattering palo verde and mesquite.

Chains	Undergrowth, greasewood. Feb. 17, 1916, at this cor. I set off 12° 13' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 11' N.
40.00 79.92	East on a random line bet. secs. 2 and 11. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 3 lks. N. of cor. of secs. 1, 2, 11 and 12. Thence N. 89° 59' W. on a true line bet. secs. 2 and 11. Over level land, through scattering timber and undergrowth.
32.50 39.96	Wash, 20 lks. wide, 2 ft. deep, course, N. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	S 2 $\frac{1}{4}$ S 11 1916
	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.
57.10 68.50 79.92	Wash, 10 lks. wide, 2 $\frac{1}{2}$ ft. deep, course, N. 30° E. Wash, 10 lks. wide, 2 ft. deep, course, N. 20° E. Cor. of secs. 2, 3, 10 and 11. Land, level. Soil, loose sandy clay, 1st, rate. Timber, palo verde and mesquite. Undergrowth, greasewood.
40.00 80.01	N. 0° 1' W. on a random line bet. secs. 2 and 3. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. bdy. of tp. at cor. of secs. 2, 3, 34 and 35, as described in book "A". Thence S. 0° 1' E. on a true line bet. secs. 2 and 3. Over level land, through scattering timber and undergrowth.
6.70 20.40 40.01	Wash, 10 lks. wide, 2 ft. deep, course, N. 60° E. Wash, 10 lks. wide, 2 $\frac{1}{2}$ ft. deep, course, NE. Set an iron post 3 ft. long, 1 in; in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	S 3 $\frac{1}{4}$:S 2 1916
	dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
41.10 59.60 67.30 80.01	Wash, 10 lks. wide, 3 ft. deep, course, N. 50° E. Wash, 10 lks. wide, 1 $\frac{1}{2}$ ft. deep, course, NE. Wash, 20 lks. wide, 3 ft. deep, course, NE. Cor. of secs. 2, 3, 10 and 11. Land, level. Soil, sandy clay, 1strate. Timber, palo verde, mesquite and iron wood. Undergrowth, greasewood.

Chains

N. 0° 2' W. bet. secs. 33 and 34.
Over level land, through scattering timber and undergrowth.

- 2.40 Wash, 20 lks. wide, 1 ft. deep, course, N. 30° E.
- 31.90 Wash, 15 lks. wide, 1 ft. deep, course, N. 20° E.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
S 33 $\frac{1}{4}$:S 34

1916

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

- 61.60 Wash, 15 lks. wide, 1 ft. deep, course, N. 45° E.
- 78.10 Wash, 15 lks. wide, 1 ft. deep, course, N. 30° E.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 27, 28, 33 and 34, with brass cap mkd.

T 3 S R 2 W
S 28:S 27
S 33:S 34

1916

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, level.
Soil, loose, gravelly clay, 2nd rate.
Timber, iron wood, palo verde and mesquite.
Undergrowth, greasewood.

- 40.00 East on a random line bet. secs. 27 and 34.
- 80.02 Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line at cor. of secs. 26, 27, 34 and 35.

Thence

West on a true line bet. secs. 27 and 34.
Over level land, through scattering timber and undergrowth.

- 10.45 Wash, 15 lks. wide, 1 ft. deep, course, NE.
- 17.80 Wash, 15 lks. wide, 1 ft. deep, course, N. 30° E.
- 28.70 Wash, 20 lks. wide, 1 ft. deep, course, N. 60° E.
- 39.75 Wash, 10 lks. wide, 1 ft. deep, course, N. 10° W.
- 40.01 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

S 27

$\frac{1}{4}$

S 34

1916

from which,

An iron wood, 6 ins. in diam., brs. N. 53 $\frac{1}{2}$ ° E.
15 lks. dist. mkd. $\frac{1}{4}$ S 27 B T.

An iron wood, 14 ins. in diam., brs. S. 31 $\frac{1}{4}$ ° E.
163 lks. dist. mkd. $\frac{1}{4}$ S 34 B T.

- 47.45 Wash, 20 lks. wide, 1 ft. deep, course, N. 20° E.
- 63.90 Wash, 20 lks. wide, 1 ft. deep, course, N. 30° E.
- 78.95 Wash, 15 lks. wide, 1 ft. deep, course, N. 15° E.
- 80.02 Cor. of secs. 27, 28, 33 and 34.

Land, level.
Soil, loose sandy clay, 1st rate.
Timber, iron wood, palo verde and mesquite.
Undergrowth, greasewood.

Feb. 9, 1916, at this cor. I set off 14° 53' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 8' N.

Chains

N. 0° 2' W. bet. secs. 27 and 28.
Over level land, through scattering timber and undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
S 28 $\frac{1}{4}$:S 27

1916

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

43.40 Wash, 20 lks. wide, 3 ft. deep, course, N. 60° E.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 21, 22, 27 and 28, with brass cap mkd.

T 3 S R 2 W

S 21:S 22

S 28:S 27

1916

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, level.

Soil, loose sandy clay, 1st rate.

Timber, mesquite, iron wood and palo verde.

Undergrowth, greasewood.

East on a random line bet. secs. 22 and 27.

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

79.97 Intersect N. and S. line, 5 lks. N. of cor. of secs. 22, 23, 26 and 27.

Thence

N. 89° 58' W. on a true line bet. secs. 22 and 27.

Over level land, through scattering timber and undergrowth.

37.90 Wash, 15 lks. wide, 2 ft. deep, course, S. 20° E.

39.98 $\frac{1}{2}$ Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

S 22

$\frac{1}{4}$

S 27

1916

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.

42.20 Wash, 10 lks. wide, 1 ft. deep, course, S. 20° E.

43.95 Wash, 15 lks. wide, 1 ft. deep, course, S.

55.60 Wash, 10 lks. wide, 1 ft. deep, course, S.

56.55 Wash, 15 lks. wide, 2 ft. deep, course, S. 10° E.

70.40 Wash, 20 lks. wide, 3 ft. deep, course, S.

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

Land, level.

Soil, loose, coarse, gravelly clay, 2nd rate.

Timber, mesquite and palo verde.

Undergrowth, greasewood.

Feb. 14, 1916, at 8h., a.m., l.m.t., I set off 33° 9' N. on the lat. arc; 13° 16' S. on the decl. arc; and determine a mer. with the solar at the cor. of secs. 21, 22, 27 and 28.

Thence

N. 0° 2' W. bet. secs. 21 and 22.

Over level land, through scattering timber and undergrowth.

Chains
40.00

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
S 21 $\frac{1}{4}$:S 22

1916

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

75.00
80.00

Wash, 10 lks. wide, 1 ft. deep, course, SW.
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 15, 16, 21 and 22, with brass cap mkd.

T 3 S R 2 W
S 16:S 15
S 21:S 22

1916

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, level
Soil, loose sandy gravelly clay, 2nd rate.
Timber, palo verde, iron wood and mesquite.
Undergrowth, greasewood and cacti.

40.00
79.97

East on a random line bet. secs. 15 and 22.
Set temp; $\frac{1}{4}$ sec. cor.
Intersect N. and S. line at cor. of secs. 14, 15, 22 and 23.

Thence

West on a true line bet. secs. 15 and 22, over mountainous land, through scattering timber and undergrowth.

.70
3.85
16.80
33.58

Draw, course, S., asc. S $\frac{1}{2}$ slope, 87 ft. to spur slopes SW., desc. NW. slope, 372 ft. to wash.
Foot of steep desc. brs. NE. and SW.
Wash, 20 lks. wide, 1 ft. deep, course, S. 30° W.

Thence over gently rolling SW. slope.

39.98 $\frac{1}{2}$

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

S 15
 $\frac{1}{4}$
S 22
1916

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.

44.00
57.50
71.90
77.10
79.97

Wash, 10 lks. wide, 1 ft. deep, course, S. 10° W.
Wash, 20 lks. wide, 1 ft. deep, course, SW.
Wash, 10 lks. wide, 1 $\frac{1}{2}$ ft. deep, course, S. 30° W.
Wash, 10 lks. wide, 1 $\frac{1}{2}$ ft. deep, course, S. 30° W.
Cor. of secs. 15, 16, 21 and 22.

Land, level and mountainous.
Soil, coarse, decomposed granite 2nd and 3rd rates.
Timber, palo verde.
Undergrowth, greasewood and cacti.

Feb. 15, 1916, at this cor. I set off 12° 55' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 10' N.

N. 0° 2' W. bet. secs. 15 and 16.
Over gentle SW. slope, through scattering timber and undergrowth.

32.00
40.00

Asc. rocky SW. slope, 262 ft. to
Set an iron post 3 ft. long, 1 in. in diam., on surface rock, in a mound of stone, for $\frac{1}{4}$ sec. cor. with brass cap mkd.

S 16 $\frac{1}{4}$:S 15
1916

Pits impracticable.

Subdivision of T.3 S., R.2 W.

Chains

Build a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
 Asc. SW. slope, 115 ft. to
 Top of ridge, brs. E. and W., desc. N. slope, 75 ft. to
 Head of wash course, NE., asc. SE. slope, 69 ft. to
 Ridge brs. NE. and SW., desc. NW. slope, 182 ft. to
 Draw, course, NW., asc. SW. slope, 189 ft. to
 Set an iron post 3 ft. long, 2 ins. in diam., on surface
 rock, in a mound of stone, 2 ft. base, 1½ ft. high
 formcor. of secs. 9, 10, 15 and 16, with brass cap
 mkd.

T 3 S R 2 W
 S 9 :S 10
 S 16 :S 15
 1916

Pits impracticable.

Build a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
 Land, gently rolling and mountainous.
 Soil, loose, gravelly clay, to 32 chs., 2nd rate, remain-
 der, decomposed granite, rocky 4th rate.
 Timber, palo verde.
 Undergrowth, greasewood and cacti.

East on a random line bet. secs. 10 and 15.

40.00 Set temp. ¼ sec. cor.
 80.06 Intersect N. and S. line, 5 lks. N. of cor. of secs. 10,
 11, 14 and 15.

Thence

N. 89° 58' W. on a true line bet. secs. 10 and 15.
 Over level land, through scattering timber and under-
 growth.

21.10 Wash, 10 lks. wide, 1½ ft. deep, course, NE.
 38.50 Wash, 30 lks. wide, 6 ft. deep, course, NE.
 40.03 Set an iron post 3 ft. long, 1 in. in diam., 4 ins. in
 the ground to solid rock, in a mound of stone, for
 ¼ sec. cor. with brass cap mkd.

S 10
 ¼
 S 15
 1916

Pits impracticable.

46.20 Build a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
 Asc. SE. slope, 105 ft. to
 Spur slopes NE., asc. NE. slope, strewn with granite
 boulders, 556 ft. to
 77.75 Ridge, brs. NW. and SE., desc. SW. slope, 166 ft. to
 80.06 Cor. of secs. 9, 10, 15 and 16.
 Land, level and mountainous.
 Soil, loose sandy clay, 1st rate. to 35 chs., remainder
 coarse, decomposed granite, rocky, 3rd and 4th rates.
 Timber, palo verde.
 Undergrowth, greasewood, and cacti.

N. 0° 2' W. bet. secs. 9 and 10.

Over SW. slope, through scattering timber and under-
 growth. Asc. 51 ft. to

2.38 Ridge brs. N. 60° E. and S. 60° W.
 Desc. NE. slope, 653 ft. to

32.00 Foot of desc. brs. E. and W.

Thence over gentle NE. slope.

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

S 9 ¼ :S 10

1916

18

Subdivision of T.3 S., R.2 W.

Chains

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

48.00 Wash, 20 lks. wide, 3 ft. deep, course, NE.
 59.20 Wash, 10 lks. wide, $1\frac{1}{2}$ ft. deep, course, NE.
 75.90 Wash, 10 lks. wide, $1\frac{1}{2}$ ft. deep, course, NE.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 3, 4, 9 and 10, with brass cap mkd.

T 3 S R 2 W

S 4 :S 3

S 9 :S 10

1916

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, mountainous and gently rolling.

Soil, coarse, decomposed granite, rocky, 4th rate, to 38 chs., remainder, loose, coarse, gravelly clay, 2nd rate.

Timber, palo verde and mesquite.

Undergrowth, greasewood and cacti.

40.00 East on a random line bet. secs. 3 and 10.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.03 Intersect N. and S. line, at cor. of secs. 2, 3, 10 and 11.

Thence

West on a true line bet. secs. 3 and 10.

Over level land, through scattering timber and undergrowth.

13.50 Wash, 10 lks. wide, 2 ft. deep, course, NE.
 35.20 Wash, 10 lks. wide, $1\frac{1}{2}$ ft. deep, course, NE.
 40.01 $\frac{1}{2}$ Set an iron post 3 ft. long, 1 in. in diam.; 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

S 3

 $\frac{1}{4}$

S 10

1916

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.

66.50 Wash, 10 lks. wide, 2 ft. deep, course, N. 30° E.
 75.80 Wash, 10 lks. wide, 1 ft. deep, course, N. 30° E.
 80.03 Cor. of secs. 3, 4, 9 and 10.

Land, level.

Soil, loose sandy clay, 1st rate.

Timber, palo verde, iron wood and mesquite.

Undergrowth, greasewood.

40.00 N. 0° 2' W. on a random line bet. secs. 3 and 4.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect N. bdy. of tp. at cor. of secs. 3, 4, 33 and 34.
 Thence

S. 0° 2' E. on a true line bet. secs. 3 and 4.

Over level land, through scattering timber and undergrowth.

4.76 Wash, 10 lks. wide, 2 ft. deep, course, NE.
 40.06 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

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

1916

Subdivision of T.3 S., R.2 W.

Chains

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

- 50.46 Wash, 30 lks. wide, 3 ft. deep, course, N. 70° E.
- 56.26 Wash, 10 lks. wide, 4 ft. deep, course, N. 80° E.
- 80.06 Cor. of secs. 3, 4, 9 and 10.

Land, level.
Soil, loose, gravelly clay, 2nd rate.
Timber, iron wood, palo verde and mesquite.
Undergrowth, greasewood and cacti.

N. 0° 2' W. bet. secs. 32 and 33.
Over level land, through scattering timber and undergrowth.

- 21.20 Wash, 20 lks. wide, 1 ft. deep, course, NE.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor. with brass cap mkd.
S 32 1/4 : S 33

1916

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

- 78.80 Wash, 20 lks. wide, 1 ft. deep, course, NE.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 28, 29, 32 and 33, with brass cap mkd.

T 3 S R 2 W
S 29 : S 28
S 32 : S 33

1916

dig pits 18 X 18 X 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.
Soil, loose, gravelly, clay, 2nd rate.
Timber, palo verde, iron wood and mesquite.
Undergrowth, greasewood and cacti.
Feb. 10, 1916, at this cor. I set off 14° 34' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 8' N.

Feb. 11, 1916, at 8h., a.m., l.m.t., I set off 33° 8' N. on the lat. arc; 14° 17' S. on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 28, 29, 32 and 33.

- 40.00 Thence East on a random line bet. secs. 28 and 33. Set temp. 1/4 sec. cor.
- 79.96 Intersect N. and S. line, 1 lk. S. of cor. of secs. 27, 28, 33 and 34.

Thence West on a true line bet. secs. 28 and 33.
Over level land, through scattering timber and undergrowth.

- 5.00 Wash, 20 lks. wide, 1 ft. deep, course, N. 20° E.
- 25.00 Wash, 15 lks. wide, 1 ft. deep, course, N.
- 28.05 Wash, 12 lks. wide, 2 ft. deep, course, NE.
- 39.98 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor. with brass cap mkd.

S 28
1/4
S 33

1916

20

Subdivision of T.3 S., R.2 W.

Chains	
	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.
44.50	Wash, 12 lks. wide, 2 ft. deep, course, N. 20° E.
56.40	Wash, 10 lks. wide, 2 ft. deep, course, N. 45° E.
68.90	Wash, 10 lks. wide, 2 ft. deep, course, N. 10° E.
77.20	Wash, 20 lks. wide, 1 ft. deep, course, NE.
79.96	Cor. of secs. 28, 29, 32 and 33. Land, level. Soil, loose sandy clay, 1strate. Timber, palo verde and mesquite. Undergrowth, greasewood.
	N. 0° 2' W. bet. secs. 28 and 29. Over level land, through scattering timber and undergrowth.
12.50	Wash, 15 lks. wide, 1 ft. deep, course, N. 75° E.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. with brass cap mkd. S 29 ¼ : S 28
	1916 dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 20, 21, 28 and 29, with brass cap mkd. T 3 S R 2 W. S 20 : S 21 S 29 : S 28
	1916 dig pits 18 X 18 X 12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level. Soil, loose, sandy clay, 1st rate. Timber, mesquite. Undergrowth, greasewood.
	East on a random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line, 4 lks. S. of cor. of secs. 21, 22, 27 and 28. Thence S. 89° 58' W. on a true line bet. secs. 21 and 28. Over level land, through scattering timber and undergrowth.
39.98	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. with brass cap mkd. S 21 ¼ S 28
	1916 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.
79.96	Cor. of secs. 20, 21, 28 and 29. Land, level. Soil, loose sandy clay, 1strate. Timber, mesquite. Undergrowth, greasewood.

Subdivision of T.3 S. R.2 W.

Chains

Feb. 12, 1916, at this cor. I set off 13° 55' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 9' N.

N. 0° 2' W. bet. secs. 20 and 21.
Over level land, through scattering timber and undergrowth.

30.20 Wash, 10 lks. wide, 1 ft. deep, course, N. 10° E.

36.20 Same wash, course, N. 45° W.

37.80 Wash, 15 lks. wide, 2 ft. deep, course, N. 45° W.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 3 ins. in the ground for 1/4 sec. cor. with brass cap mkd.
S 20 1/4 : S 21

1916

from which,

A mesquite, 12 ins. in diam., brs. S. 69 1/4° W.
150 lks. dist, mkd. 1/4 S 20 B.T.

No other trees within limits.

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

58.15 Wash, 15 lks. wide, 3 ft. deep, course, W.

67.50 Wash, 15 lks. wide, 1 ft. deep, course, SW.

79.10 Wash, 20 lks. wide, 1 ft. deep, course, W.

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

T 3 S R 2 W

S 17 : S 16

S 20 : S 21

1916

from which,

A palo verde, 10 ins. in diam., brs. S. 28° E.
76 lks. dist. mkd. T 3 S R 2 W S 21 B T.

No other trees within limits.

Dig pits 18 X 18 X 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, loose coarse, gravelly, clay, 2nd rate.

Timber, palo verde and mesquite.

Undergrowth, gfeasewood.

East on a random line bet. secs. 16 and 21.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. and S. line at cor. of secs. 15, 16, 21 and 22.

Thence

West on a true line bet. secs. 16 and 21.

Over level and hilly land, through scattering timber and undergrowth.

28.00 Wash, 20 lks. wide, 1 ft. deep, course, S. 60° W.

37.00 Leave level land, asc. rocky SE. slope, 76 ft. to

37.67 Spur slopes S., desc. rocky, SW. slope, 75 ft. to

40.00 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to solid rock, in a mound of stone, for 1/4 sec. cor. with brass cap mkd.

S 16

1/4

S 21

1916

from which,

A palo verde, 8 ins. in diam., brs. N. 51° W.
130 lks. dist, mkd. 1/4 S 16 B T.

Chains

	A palo verde, 8 ins. in diam., brs. S.66° E. 26 lks. dist. mkd. $\frac{1}{4}$ S 21 B. T. Thence over level land, sloping gently to the SW. Wash, 20 lks. wide, 2 ft. deep, course, S. 70° W. Cor. of secs. 16, 17, 20 and 21. Land, level and mountainous. Soil, loose, gravelly clay, 2nd rate on level land, remainder, decomposed granite, 3rd rate. Timber, palo verde. Undergrowth, greasewood and cacti.
65.50	
80.00	
	N. 0° 2' W. bet. secs. 16 and 17. Over gradual SW. slope, through scattering timber and undergrowth. Wash, 10 lks. wide, 2 ft. deep, course, S. 60° W. Wash, 10 lks. wide, 2 ft. deep, course, S. 50° W. Wash, 20 lks. wide, 2 ft. deep, course, S. 60° W. Wash, 30 lks. wide, 3 ft. deep, course, S. 80° W. Leave level land, asc. SW. slope, 23 ft. to Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground to solid rock, in a mound of stone, for $\frac{1}{4}$ sec. cor. with brass cap mkd. S 17 $\frac{1}{4}$:S 16 1916 Pits impracticable. Build a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. Asc. SW. slope, 135 ft. to Spur slopes, SW., desc. 78 ft. to Asc. 23 ft. to Spur slopes, S. 85° W., desc. 46 ft. to Spur slopes, S. 85° W. desc. N. slope, 134 ft. to wash. Foot of rocky desc. brs. E. and W. thence over gradual NW. slope, to Wash, 40 lks. wide, 6 ft. deep, course, N. 80° W. Asc. gradual SW. slope, to Set an iron post 3 ft. long, 2 ins. in diam., 6 ins. in the ground to solid rock, in a mound of stone, for cor. of secs. 8, 9, 16 and 17, with brass cap mkd. T 3 S R 2 W S 8 :S 9 S 17:S 16 1916 Pits impracticable. Build a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. Land, level and mountainous. Soil, loose, gravelly clay, 2nd rate on level, remainder loose, coarse, decomposed granite, 3rd rate. Timber, palo verde and iron wood. Undergrowth, greasewood and cacti. Feb. 14, 1916 at this cor. I set off 13° 15' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 10' N.
48.31	
56.00	
62.82	
69.37	
73.00	
78.70	
80.00	
	Feb. 16, 1916, at 7h., 30m., a.m., 1 m.t., I set off 33° 10' N. on the lat. arc; 12° 36' S. on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 8, 9, 16 and 17. Thence East on a random line bet. secs. 9 and 16. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 8 lks. N. of cor. of secs. 9, 10, 15 and 16. Thence N. 89° 57' W. on a true line bet. secs. 9 and 16. Over mountainous land, through scattering timber and
40.00	
79.88	

Chains	undergrowth.	
7.40 27.75 29.70 39.94	<p>Desc. SW. slope, 234 ft. to Head of draw, course, SW., asc. SE. slope, 129 ft. to Top of asc. brs. NE. and SW., desc. NE. slope, 34 ft. to Saddle of ridge, brs. NE. and SW., asc. NE. slope, 45 ft. to Set an iron post 3 ft. long, 1 in. in diam., on surface rock, in a mound of stone, for $\frac{1}{4}$ sec. cor. with brass cap mkd. S 9 $\frac{1}{4}$ S 16 1916</p>	
40.70 53.42 79.88	<p>Pits impracticable. Build a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Short spur slopes NW., desc. NW. slope, 317 ft. to Wash, 20 lks. wide, 2 ft. deep, course, NW. Thence desc. gradual SW. slope, 83 ft. to Cor. of secs. 8, 9, 16 and 17. Land, mountainous and rolling. Soil, loose, coarse, decomposed granite, rocky, 3rd rate. Timber, palo verde and iron wood. Undergrowth, greasewood and cacti.</p>	
3.60 7.00 12.20 16.40 18.70 23.00 32.00 32.70 40.00 40.50	<p>N. 0° 2' W. bet. secs. 8 and 9. Over hilly land, through scattering timber and undergrowth. Asc. gradual SW. slope, Wash, 30 lks. wide, 5 ft. deep, course, S. 80° W. Asc. rocky, SW. slope, 123 ft. to Top of knoll brs. E. and W. desc. NE. slope, 143 ft. to Foot of steep desc., brs. NW. and E., thence over rolling land. Wash, 20 lks. wide, 2 ft. deep, course, N. 60° W. Wash, 70 lks. wide, 2 ft. deep, course, W. Point of spur slopes W. Wash, 20 lks. wide, 3 ft. deep, course, S. 70° W. True point for $\frac{1}{4}$ sec. cor. falls in wash, 20 lks. wide, 3 ft. deep, course, N. 75° W., therefore at Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd. S 8 $\frac{1}{4}$:S 9 W C 1916 dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. di dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.</p>	
47.00 64.70 75.00 80.00	<p>Thence over level land. Wash, 20 lks. wide, 3 ft. deep, course, NW. Wash, 20 lks. wide, 3 ft. deep, course, NE. Wash, 10 lks. wide, 1 ft. deep, course, N. 10° E. Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 4, 5, 8 and 9, with brass cap mkd. T 3 S R 2 W S 5 :S 4 S 8 :S 9 1916 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. --- High granite peak brs. N. 55° 30' E. Land, level and mountainous. Soil, loose, gravelly clay, and rocky granite, 2nd & 3rd rates. Timber, palo verde and iron wood. Undergrowth, greasewood and cacti.</p>	
40.00 79.89	<p>East on a random line bet. secs. 4 and 9. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 10 lks. N. of cor. of secs. 3, 4, 9 and 10. Feb. 18, 1916, at 8h., a.m., 1 m.t., I set off 33° 11' N. on the lat. arc; 11° 55' S. on the decl. arc; and determine a mer. with the solar at the cor. of secs. 3, 4, 9 and 10. Thence N. 89° 56' W. on a true line bet. secs. 4 and 9. Over level land, through scattering timber and undergrowth.</p>	

Chains	
8.20	Wash, 10 lks. wide, 2 ft. deep, course, NE.
18.70	Wash, 10 lks. wide, 3 ft. deep, course, NE.
30.00	Wash, 10 lks. wide, 2 ft. deep, course, NE.
39.94½	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. with brass cap mkd. S 4 ¼ S 9 1916 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.
47.40	Wash, 20 lks. wide, 1½ ft. deep, course, N. 30° E.
69.10	Wash, 10 lks. wide, 3 ft. deep, course, N. 10° E.
78.80	Wash, 10 lks. wide, 2½ ft. deep, course, N. 20° E.
79.89	Cor. of secs. 4, 5, 8 and 9. Land, level. --- Soil, gravelly clay, 2nd rate. Timber palo verde, iron wood and mesquite. Undergrowth, greasewood and cacti.
40.00	N. 0° 2' W. on a random line bet. secs. 4 and 5. Set temp. ¼ sec. cor.
80.01	Intersect N. bdy. of tp. at cor. of secs. 4, 5, 32 and 33 as described in book "A". Thence S. 0° 2' E. on a true line bet. secs. 4 and 5. Over level land, through scattering timber and undergrowth.
6.20	Wash, 20 lks. wide, 2 ft. deep, course, NE.
27.80	Enter wash, 80 lks. wide, 3 ft. deep, course, from S. 5° W. to N. 20° E.
40.01	True point for ¼ sec. cor. falls in wash.
40.30	Leave same wash, course, from S. 20° W. to N. 5° E.
41.01	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for W.C. ¼ sec. cor. with brass cap mkd. W.C S 5 ¼ : S 4 1916 from which, An iron wood, 12 ins. in diam., brs. N. 42° W. 38 lks. dist. mkd. W.C. ¼ S 5 B T. No other trees within limits. Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
63.70	Wash, 10 lks. wide, 2 ft. deep, course, NE.
80.01	Cor. of secs. 4, 5, 8 and 9. Land level. Soil, loose, gravelly clay, 2nd rate. Timber, iron wood, palo verde and mesquite. Undergrowth, greasewood and cacti. Feb. 16, 1916, at this cor. I set off 12° 34' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 11' N.

Chains	
	<p>Feb. 10, 1916, at 9h., a.m., l.m.t., I set off 33° 7' N. on the lat. arc; 14° 36' S. on the decl. arc, and determine a mer. with the solar, at the cor. of secs. 5, 6, 31 and 32, as described in book "A".</p> <p>Thence N. 0° 3' W. bet. secs. 31 and 32. Over level land, through scattering timber and undergrowth.</p>
1.60	Wash, 20 lks. wide, 8 ft. deep, course, N. 45° W.
6.00	Wash, 50 lks. wide, 3 ft. deep, course, N. 45° W.
36.40	Wash, 10 lks. wide, 2 ft. deep, course, N. 20° E.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd. S 31 $\frac{1}{4}$:S 32
	1916
	dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
67.15	Wash, 12 lks. wide, 2 ft. deep, course, N. 30° E.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 29, 30, 31 and 32, with brass cap mkd. T 3 S R 2 W <u>S 30:S 29</u> S 31:S 32 1916
	from which, A palo verde, 12 ins. in diam., brs. N. 45° W. 62 lks. dist. mkd. T 3 S R 2 W S 30 B T. No other trees within limits. 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, level. Soil, loose sandy clay, 1st rate. Timber, palo verde, Undergrowth, greasewood and cacti.
	East on a random line bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line 2 lks. S. of cor. of secs. 28, 29, 32 and 33. Thence S. 89° 59' W. on a true line bet. secs. 29 and 32. Over level land, through scattering timber and undergrowth.
35.75	Wash, 15 lks. wide, 2 ft. deep, course, N. 10° 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. with brass cap mkd. S 29 $\frac{1}{4}$ <u>S 32</u> 1916
	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.
41.30	Wash, 10 lks. wide, 1 ft. deep, course, N.
55.20	Wash, 15 lks. wide, 2 ft. deep, course, N. 30° E.
73.50	Wash, 12 lks. wide, 2 ft. deep, course, N. 30° E.
80.00	Cor. of secs. 29, 30, 31 and 32. Land, level. Soil, loose gravelly clay, 2nd rate. Timber, palo verde and iron wood. Undergrowth, greasewood.

Chains	
	West on a random line bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.06	Intersect W. bdy. of tp. 7 lks. N. of cor. of secs. 25, 30, 31 and 36, as described in book "A".
	Thence
	N. $89^{\circ} 57'$ E. on a true line bet. secs. 30 and 31.
	Over level land, through scattering timber and undergrowth.
3.20	Wash, 15 lks. wide, 2 ft. deep, course, N.
15.20	Wash, 25 lks. wide, 1 ft. deep, course, N. 15° W.
26.60	Wash, 12 lks. wide, 2 ft. deep, course, N. 10° W.
38.46	Wash, 15 lks. wide, 1 ft. deep, course, NE.
39.06	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	S 30
	$\frac{1}{4}$
	S 31
	1916
	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.
50.35	Wash, 35 lks. wide, 2 ft. deep, course, N.
57.55	Wash, 25 lks. wide, 2 ft. deep, course, N. 15° E.
66.75	Wash, 30 lks. wide, 3 ft. deep, course, N.
79.06	Cor. of secs. 29, 30, 31 and 32.
	Land, level.
	Soil, loose, gravelly clay, 2nd rate.
	Timber, palo verde and iron wood.
	Undergrowth, greasewood and cacti.
	N. $0^{\circ} 3'$ W. bet. secs. 29 and 30.
	Over level land, through scattering timber and undergrowth.
35.60	Wash, 6 lks. wide, 2 ft. deep, course, N. 20° E.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	S 30 $\frac{1}{4}$:S 29
	1916
	dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
51.20	Wash, 6 lks. wide, 2 ft. deep, course, N. 45° E.
69.75	Wash, 20 lks. wide, 2 ft. deep, course, N.
71.70	Leave same wash, course, NW.
73.75	Same wash, course, NE.
75.00	Wash, 60 lks. wide, 3 ft. deep, course, N. 75° E.
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, with brass cap mkd.
	T 3 S R 2 W
	S 19:S 20
	S 30:S 29
	1916
	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, level.
	Soil, loose, gravelly, clay, 2nd rate.
	Timber, palo verde and mesquite.
	Undergrowth, greasewood.
	East on a random line bet. secs. 20 and 29.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.99	Intersect N. and S. line, at cor. of secs. 20, 21, 28 and 29.
	Thence

Chains	
	West on a true line bet. secs. 20 and 29. Over level land, through scattering timber and undergrowth.
18.65	Wash, 15 lks. wide, 1 ft. deep, course, N.
28.05	Wash, 30 lks. wide, 3 ft. deep, course, N.
39.99½	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. with brass cap mkd.
	S 20 + S 29 1916
	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.
55.60	Wash, 15 lks. wide, 2 ft. deep, course, N. 10° W.
60.50	Wash, 12 lks. wide, 2 ft. deep, course, N. 10° W.
69.75	Wash, 75 lks. wide, 3 ft. deep, course, N. 10° E.
79.99	Cor. of secs. 19, 20, 29 and 30. Land, level. Soil, loose sandy clay, 1st rate. Timber, palo verde and mesquite. Undergrowth, greasewood.
<hr/>	
	West on a random line bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
78.91	Intersect W. bdy. of tp. 7 lks. N. of cor. of secs. 19, 24, 25 and 30, as described in book "A". Thence N. 89° 57' E. on a true line bet. secs. 19 and 30. Over level land, through scattering timber and undergrowth.
2.80	Wash, 60 lks. wide, 8 ft. deep, course, SW.
24.20	Wash, 15 lks. wide, 2 ft. deep, course, SE.
38.91	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. with brass cap mkd.
	S 19 + S 30 1916
	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.
52.85	Wash, 15 lks. wide, 2 ft. deep, course, SE.
74.65	Wash, 15 lks. wide, 3 ft. deep, course, SE.
78.91	Cor. of secs. 19, 20, 29 and 30. Land, level. Soil, loose sandy clay, 2nd rate. Timber, palo verde. Undergrowth, greasewood and cacti. Feb. 11, 1916, at this cor. I set off 14° 14' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 9' N.
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	N. 0° 3' W. bet. secs. 19 and 20. Over level land, through scattering timber and undergrowth.
8.30	Wash, 10 lks. wide, 3 ft. deep, course, S. 75° E.
16.70	Wash, 6 lks. wide, 3 ft. deep, course, S. 80° E.
24.60	Wash, 10 lks. wide, 2 ft. deep, course, E.
31.25	Wash, 20 lks. wide, 4 ft. deep, course, N. 60° ME.
34.60	Wash, 10 lks. wide, 1 ft. deep, course, NE.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. with brass cap mkd.

Chains

S 19 1/4 : S 20

1916

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

- 51.80 Wash, 25 lks. wide, 3 ft. deep, course, S. 75° E.
- 73.30 Wash, 20 lks. wide, 1 ft. deep, course, N. 75° E.
- 76.40 Wash, 25 lks. wide, 3 ft. deep, course, NE.
- 80.00 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, with brass cap mkd.

T 3 S R 2 W

S 18 : S 17

S 19 : S 20

1916

dig pits 18 X 18 X 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.
Soil, loose, coarse, rocky, decomposed granite, 3rd rate.
Timber, palo verde.
Undergrowth, greasewood and cacti.

East on a random line bet. secs. 17 and 20.

- 40.00 Set temp. 1/4 sec. cor.
- 80.16 Intersect N. and S. line, 5 lks. S. of cor. of secs. 16, 17, 20 and 21.

Thence

S. 89° 58' W. on a true line bet. secs. 17 and 20. Over level land, through scattering timber and undergrowth.

- 3.50 Wash, 15 lks. wide, 1 ft. deep, course, SW.
- 13.40 Wash, 20 lks. wide, 3 ft. deep, course, N. 75° W.
- 24.85 Same wash, course, S. 75° W.
- 28.90 Same wash, 25 lks. wide, 5 ft. deep, course, N. 45° W.
- 40.08 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor. with brass cap mkd.

S 17

1/4

S 20

1916

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

- 42.90 Wash, 110 lks. wide, 3 ft. deep, course, N. 10° E;
- 48.70 Wash, 25 lks. wide, 1 ft. deep, course, NE.
- 70.70 Wash, 20 lks. wide, 1 ft. deep, course, NE.
- 76.70 Wash, 25 lks. wide, 2 ft. deep, course, NE.
- 80.16 Cor. of secs. 17, 18, 19 and 20.

Land, level.
Soil, loose, coarse, gravelly clay, 2nd rate.
Timber, palo verde and cat claw.
Undergrowth, greasewood.

West on a random line bet. secs. 18 and 19.

- 40.00 Set temp. 1/4 sec. cor.
- 78.82 Intersect W. bdy. of tp. 6 lks. N. of cor. of secs. 13, 18, 19 and 24, as described in book "A".

Thence

N. 89° 57' E. on a true line bet. secs. 18 and 19. Over mountainous land, through scattering timber and undergrowth.

Asc. SW. slope, 280 ft. to

Subdivision of T.3 S., R.2 W.

Chains

15.80

Ridge brs. NW. and SE.
Thence along N. slope of peak, to

32.55

Desc. E. slope, 198 ft. to

38.82

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

S 18
 $\frac{1}{4}$
S 19
1916

Pits impracticable.

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

Desc. E. slope, 305 ft. to

45.82

Spur slopes, S. 75° E., desc. E. slope, 248 ft. to

63.80

Enter level land.

78.82

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

Land, mountainous and level.

Soil, loose, coarse, decomposed granite, 2nd rate on level, remainder, rocky, 3rd rate.

Timber, palo verde and iron wood.

Undergrowth, greasewood, and cacti.

N. 0° 3' W. bet. secs. 17 and 18.

Over level land, through scattering timber and undergrowth.

4.55

Wash, 15 lks. wide, 2 ft. deep, course, NE.

8.80

Wash, 15 lks. wide, 2 ft. deep, course, NE.

12.20

Wash, 10 lks. wide, 2 ft. deep, course, NE.

17.20

Wash, 25 lks. wide, 5 ft. deep, course, N. 75° E.

25.50

Wash, 25 lks. wide, 3 ft. deep, course, NE.

34.30

Wash, 30 lks. wide, 1 ft. deep, course, N. 75° E.

38.90

Wash, 25 lks. wide, 2 ft. deep, course, E.

40.00

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

S 18 $\frac{1}{4}$:S 17

1916

from which,

An iron wood, 8 ins. in diam., brs. S. 60° E.
92 lks. dist. mkd. $\frac{1}{4}$ S 17 B T.

An iron wood, 10 ins. in diam., brs. S. 0° 30' W.
52 lks. dist. mkd. $\frac{1}{4}$ S 18 B T.

46.40

Wash, 15 lks. wide, 3 ft. deep, course, E.

54.70

Wash, 40 lks. wide, 4 ft. deep, course, E.

60.30

Wash, 60 lks. wide, 5 ft. deep, course, E.

73.80

Wash, 25 lks. wide, 5 ft. deep, course, N. 75° E.

78.90

Wash, 25 lks. wide, 4 ft. deep, course, NE.

80.00

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

T 3 S R 2 W

S 7 :S 8

S 18:S 17

1916

from which,

An iron wood, 8 ins. in diam., brs. S. 50 $\frac{1}{4}$ ° W.
95 lks. dist. mkd. T 3 S R 2 W S 18 B T.

No other trees within limits.

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, level cut by washes.

Soil, loose, coarse, decomposed granite, rocky, 3rd rate.

Timber, palo verde and iron wood.

Undergrowth, greasewood and cacti.

Chains

East on a random line bet. secs. 8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.16 Intersect N. and S. line, 2 lks. S. of cor. of secs. 8, 9,
 16 and 17.
 Thence
 S. $89^{\circ} 59'$ W. on a true line bet. secs. 8 and 17.
 Over level land, through scattering timber and under-
 growth.
 1.90 Wash, 40 lks. wide, 6 ft. deep, course, N. 80° W.
 38.50 Wash, 90 lks. wide, 5 ft. deep, course, N. 10° W.
 40.08 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$$\begin{array}{r} S 8 \\ \frac{1}{4} \\ \hline S 17 \\ 1916 \end{array}$$

 from which,
 A palo verde, 14 ins. in diam., brs. N. $35\frac{1}{2}^{\circ}$ E.
 107 lks. dist. mkd. $\frac{1}{4}$ S. 8 B T.
 A palo verde, 12 ins. in diam., brs. S. 34° E.
 167 lks. dist. mkd. $\frac{1}{4}$ S 17 B T.
 57.40 Wash, 20 lks. wide, 2 ft. deep, course, NE.
 63.70 Wash, 30 lks. wide, 4 ft. deep, course, NE.
 77.50 Wash, 20 lks. wide, 3 ft. deep, course, N. 60° E.
 80.16 Cor. of secs. 7, 8, 17 and 18.
 Land, level.
 Soil, loose, gravelly clay, 2nd rate.
 Timber, palo verde and iron wood.
 Undergrowth, greasewood and cacti.

West on a random line bet. secs. 7 and 18.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.78 Intersect W. bdy. of tp. at cor. of secs. 7, 12, 13 and
 18, as described in book "A".
 Thence
 East on a true line bet. secs. 7 and 18.
 Over gently rolling land, through scattering timber and
 undergrowth.
 Asc. rolling NE. slope, 17 ft. to
 18.18 Wash, 40 lks. wide, 4 ft. deep, course, N. 20° E.
 Asc. steep NW. slope, 294 ft. to
 35.42 Spur slopes NE. desc. SE. slope, 53 ft. to
 38.78 Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in
 the ground to solid rock, in a mound of stone,
 for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$$\begin{array}{r} S 7 \\ \frac{1}{4} \\ \hline S 18 \\ 1916 \end{array}$$

 Pits impracticable.
 Build a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 Desc. SE. slope, 211 ft. to
 46.78 Enter level land, brs. N. 60° E. and S. 15° W.
 69.78 Wash, 90 lks. wide, 3 ft. deep, course, NE.
 78.78 Cor. of secs. 7, 8, 17 and 18.
 Land, level and mountainous.
 Soil, loose, coarse, decomposed granite, 2nd rate on level
 land, remainder, rocky, 3rd rate.
 Timber, palo verde and iron wood.
 Undergrowth, greasewood, and cacti.

N. $0^{\circ} 3'$ W. bet. secs. 7 and 8.
 Over level land, through scattering timber and under-
 growth.

<p>Chains 4.20 40.00</p>	<p>Wash, 80 lks. wide, 2 ft. deep, course, NE. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd. S 7 $\frac{1}{4}$:S 8</p> <p style="text-align: center;">1916</p> <p>dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3$\frac{1}{2}$ ft. base, 1$\frac{1}{2}$ ft. high W. of cor.</p>
<p>67.30 80.00</p>	<p>Wash, 10 lks. wide, 2 ft. deep, course, N. 75° E. Set an iron post 3 ft. long, 2 in. in diam., 24 ins. in the ground for cor. of secs. 5, 6, 7 and 8, with brass cap mkd.</p> <p style="text-align: center;">T.3 S R 2 W S 6 :S 5 S 7 :S 8</p> <p style="text-align: center;">1916</p> <p>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.</p> <p>Land, level. Soil, loose, coarse, decomposed granite, 2nd rate. Timber, palo verde and iron wood. Undergrowth, greasewood and cacti.</p>
<p>40.00 80.15</p>	<p>East on a random line bet. secs. 5 and 8. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 5 lks. N. of cor. of secs. 4, 5, 8 and 9. Thence N. 89° 58' W. on a true line bet. secs. 5 and 8. Over level land, through scattering timber and undergrowth.</p>
<p>8.20 17.80 23.50 36.70 40.07$\frac{1}{2}$</p>	<p>Wash, 20 lks. wide, 1 ft. deep, course, N. 5° E. Wash, 20 lks. wide, 2 ft. deep, course, N. 30° E. Wash, 30 lks. wide, 2 ft. deep, course, N. 20° E. Wash, 20 lks. wide, 2 ft. deep, course, N. 10° E. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd. S 5 $\frac{1}{4}$ S 8</p> <p style="text-align: center;">1916</p> <p>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.</p>
<p>53.10 61.50 72.50 80.15</p>	<p>Wash, 20 lks. wide, 2$\frac{1}{2}$ ft. deep, course, N. Wash, 20 lks. wide, 2$\frac{1}{2}$ ft. deep, course, N. 5° E. Wash, 10 lks. wide, 1$\frac{1}{2}$ ft. deep, course, n. 10° E. Cor. of secs. 5, 6, 7 and 8. Land, level. Soil, loose, gravelly clay, 2nd rate. Timber, iron wood, palo verde and mesquite. Undergrowth, greasewood.</p>
<p>40.00 78.68</p>	<p>West on a random line bet. secs. 6 and 7. Set temp. $\frac{1}{4}$ sec. cor. Intersect W. bdy. of tp. 11 lks. N. of cor. of secs. 1, 6, 7 and 12, as described in book "A". Thence N. 89° 55' E. on a true line bet. secs. 6 and 7. Over level land, through scattering timber and undergrowth.</p>
<p>3.28 29.78 38.40</p>	<p>Wash, 10 lks. wide, 1$\frac{1}{2}$ ft. deep, course, N. 30° E. Wash, 20 lks. wide, 1$\frac{1}{2}$ ft. deep, course, N. Wash, 20 lks. wide, 2 ft. deep, course, N. 20° E.</p>

Chains 38.68	<p>Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.</p> <p style="text-align: center;">S 6 $\frac{1}{4}$ S 7 1916</p> <p>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.</p>
43.70 70.80 77.30 78.68	<p>Wash, 20 lks. wide, 2 ft. deep, course, N. 20° E. Wash, 10 lks. wide, 2 ft. deep, course, N. 15° E. Wash, 10 lks. wide, 1 ft. deep, course, N. 10° E. Cor. of secs. 5, 6, 7 and 8. Land, level. Soil, loose, gravelly, clay, 2nd rate. Timber, palo verde, mesquite and iron wood. Undergrowth, greasewood and cacti.</p>
40.00 79.98	<p>N. 0° 3' W. on a random line bet. secs. 5 and 6. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. bdy. of tp. 19 lks. E. of cor. of secs. 5, 6, 31 and 32, as described in book "A". Thence S. 0° 11' E. on a true line bet. secs. 5 and 6. Over level land, through scattering timber and undergrowth.</p>
39.98	<p>Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.</p> <p style="text-align: center;">S 6 $\frac{1}{4}$:S 5 1916</p> <p>dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.</p>
58.40 79.98	<p>Wash, 10 lks. wide, 2 ft. deep, course, NE. Cor. of secs. 5, 6, 7 and 8. Land, level. Soil, loose, gravelly clay, 2nd rate. Timber, palo verde and iron wood. Undergrowth, greasewood.</p>

GENERAL DESCRIPTION

This township contains level, gently sloping and rough, mountainous land.

The soil of secs, 1, 2, 3, 11, 12 and 13 is a deep, rich, loose, yellow, sandy clay, suitable for agriculture with proper irrigation.

A range of mountains, with spurs from it extends through sections 8, 9, 10, 17, 16, 15, 14, 22, 23 and 24. The west three fourths of secs. 18 and 19 are mountainous. Detached mountains are located in secs. 4 and 7. Palo verde, iron wood, mesquite and cat claw, are found along the washes. Palo verde and iron wood are found along the mountain slopes also. Greasewood covers the entire township.

No wafer has been developed within the township and there are no settlers or improvements.

Subdivision of T.3 S., R.2 W

DATE DIAGRAM

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

Lines dated in red were surveyed by W. H. Thorn, U. S. Surveyor.
 Lines dated in green were surveyed by W. G. Shapcott, U. S. Surveyor.

CERTIFICATES OF UNITED STATES SURVEYORS.

BOOK 3079

We, W. H. Thorn and W.G.Shapcott, U.S.Surveyors, hereby certify on honor that, in pursuance of special instructions received from the U.S. Surveyor General of Arizona, for Group No.58,Arizona, bearing date of the 8th day of October, 1915, we have well, faithfully and truly, in our own proper persons, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivision lines of

TOWNSHIP 3 SOUTH, RANGE 2 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes, and by the diagram on the reverse hereof, as having been executed by us, and under our direction; and we do further certify on honor that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U.S.Surveyor General for Arizona for Group No.58, and in the specific manner described in our respective field notes, and that the foregoing are the original field notes in such surveys.

W. H. Thorn

U. S. Surveyor.

W. G. Shapcott,

U.S. Surveyor.

By

W. H. Thorn

U. S. Surveyor.

Chief of Party.

A P P R O V A L .

Phoenix, Arizona, MAY 25 1918

The foregoing field notes of the survey of the Subdivision lines of

TOWNSHIP 3 SOUTH, RANGE 2 WEST

of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by W.H.Thorn and W. G. Shapcott, U. S. Surveyors, under special instructions dated October 8, 1915, for Group 58, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Frank D. Frost
U.S. Surveyor General of Arizona.

I certify that the foregoing transcript of the field notes of the above described surveys in Book "I" of Group 58, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General of Arizona.