

3077

Book "G"

4-679

Dec 31, 1917

BOOK 3077

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES

of

TOWNSHIP 3 SOUTH, RANGE 1 EAST.

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. Surveyor^s, 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 29, 1916.

Survey completed March 8, 1916.

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3077

BOOK 3077

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- Surveyed under this group--notes in this book.
- Surveyed under this group--notes in book "A".
- Surveyed in 1868.
- Resurveyed under group No. 38.
- Unsurveyed.

Subdivision of T.3 S., R.1 E.

3

Chains

Survey commenced Feb. 29, 1916, and executed with Young and Son's light mountain transits Nos. 8592 and 8521, as described in book "A".

Feb. 13, 1916, we examine the adjustments of the transits and find them correct. Then to test the solar attachments, by comparing their indications resulting from a.m. and p.m. observations on a mer. established by observations on Polaris, we proceed as follows.

Feb. 12, 1916, at 9h. 58.8m., p.m., we observe Polaris at W.E. in accordance with instructions in the Manual of Surveying, at a point near camp in T.2 S., R.2 W.S.32.

Feb. 13, at 7h. 30m., a.m., l.m.t., we lay off the azimuth of Polaris, 1° 21' to the E. and mark the mer. thus determined by a rod placed on line 10 chs. N. of our stations.

At 8h., a.m., we set off 33° 12' N. on the lat. arcs; 13° 37' S. on the decl. arcs; and determine meridians with the solars. The meridians thus determined fall within 1' in azimuth of the mer. determined by observations on Polaris.

At 4h., p.m., l.m.t., we set off 33° 12' N. on the lat. arcs; 13° 30' S. on the decl. arcs; and determine meridians with the solars. The meridians thus determined fall within 1' in azimuth of the mer. determined by observations on Polaris. We, therefore conclude that the adjustments of the transits and solar attachments are satisfactory.

Feb. 29, 1916, at 9h., a.m., l.m.t., I set off 33° 7' N. on the lat. arc; 7° 53' S. on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 5, 6, 31 and 32, heretofore described.

Thence

N. 0° 1' E. bet. secs. 31 and 32.

Over level land, through scattering timber and undergrowth.

6.50

Wash, 30 lks. wide, 4 ft. deep, course, NW.

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.

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 1 E

S 30:S 29

S 31:S 32

1916

dig pits 18 X 18 X 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, sandy loam, 1st rate.

Timber, none.

Undergrowth, greasewood, 4 to 6 ft. high.

40.00

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

80.00

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

Intersect W. bdy. of tp. at cor. of secs. 29, 30, 31 and 36, which is an iron post 3 ins. in diam., properly set, mkd. and witnessed as described by the Surveyor General.

Thence

East on a true line bet. secs. 30 and 31.

Subdivision of T.3 S.,R.1 E.

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 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.

80.00

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

Soil, sandy loam, 1st rate.

No timber.

Undergrowth, greasewood, 4 to 6 ft. high.

N. 0° 1' E. bet. secs. 29 and 30.

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 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.

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 1 E

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, sandy loam, 1st rate.

Timber, scattering mesquite.

Undergrowth, greasewood, 4 to 6 ft. high.

Mar. 1, 1916, at 10h. a.m., l.m.t., I set off 33° 9' N. on the lat. arc; 7° 29' S. on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 19, 20, 29 and 30.

Thence

West on a random line bet. secs. 19 and 30.

40.00

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

79.97

Intersect G. & S.R.M. 3 lks. S. of cor. of secs. 19, 24, 25 and 30, which is an iron post 3 ins. in diam., properly set, mkd. and witnessed as described by the Surveyor General.

Thence

S. 89° 59' E. on a true line bet. secs. 19 and 30.

Over level land, through scattering undergrowth.

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 19

$\frac{1}{4}$

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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

79.97

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

Land, level.

Soil, sandy loam, 1st rate.

Chains

No timber.
Undergrowth, greasewood 4 to 6 ft. high.

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

21.40 Wash, 10 lks. wide, 1 ft. deep, course, S. 40° 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 19 $\frac{1}{4}$: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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

44.60 Wash, 20 lks. wide, 1 ft. deep, course, S. 60° W.
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 1 E
S 18:S 17
S 19:S 20

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, scattering iron wood and palo verde.
Undergrowth, greasewood, 4 to 6 ft. high.

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

40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.94 Intersect G. & S.R.M., 3 lks. S. of cor. of secs. 13, 18, 19 and 24, which is an iron post 3 ins. in diam., properly set, mkd. and witnessed as described by the Surveyor General.

Thence

S. 89° 59' E. on a true line bet. secs. 18 and 19
Over level land, through scattering timber and undergrowth

39.97 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 19

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.

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

Land, level.
Soil, sandy loam, 1st rate.
Timber, scattering palo verde.
Undergrowth, greasewood.

N. 0° 1' E. bet. secs. 17 and 18.
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 18 $\frac{1}{4}$:S 17

1916

Subdivision of T. 3 S., R. 1 E.

Chains

80.00

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.
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 1 E
S 7 : S 8
S 18 : S 17
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, scattering palo verde.
Undergrowth, greasewood.
Mar. 2, 1916, at this cor. I set off $7^{\circ} 5'$ S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is $33^{\circ} 10'$ N.

40.00

West on a random line bet. secs. 7 and 18.

79.89

Set temp. $\frac{1}{4}$ sec. cor.
Intersect G. & S.R.M., 2 lks. S. of cor. of secs. 7, 12, 13 and 18, which is an iron post 3 ins. in diam., properly set, mkd. and witnessed as described by the Surveyor General.

Thence
S. $89^{\circ} 59'$ E. on a true line bet. secs. 7 and 18.
Over level land, through scattering undergrowth.

39.94 $\frac{1}{2}$

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 7
 $\frac{1}{4}$
S 18
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.

79.89

Cor. of secs. 7, 8, 17 and 18.
Land, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, greasewood.

N. $0^{\circ} 1'$ E. bet. secs. 7 and 8.
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 7 $\frac{1}{4}$: S 8

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. 5, 6, 7 and 8, with brass cap mkd.

T 3 S R 1 E
S 6 : S 5
S 7 : S 8
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.

Subdivision of T.3 S., R.1 E.

Chains	Land, level. Soil, sandy loam, 1st rate. Timber, scattering iron wood and palo verde, and mesquite. Undergrowth, greasewood.
40.00 79.85	<p>West on a random line bet. secs. 6 and 7. Set temp. $\frac{1}{4}$ sec. cor. Intersect G. & S.R.M., 1 lks. S. of cor. of secs. 1, 6, 7 and 12, which is an iron post 3 ins. in diam., properly set, mkd. and witnessed as described by the Surveyor General.</p>
39.92 $\frac{1}{2}$	<p>Thence East on a true line bet. secs. 6 and 7. Over level land, through scattering undergrowth. 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>
79.85	<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. Cor. of secs. 5, 6, 7 and 8. Land, level. Soil, sandy loam, 1st rate. No timber. Undergrowth, greasewood and scattering mesquite brush.</p>
40.00 80.05	<p>North on a random line bet. secs. 5 and 6. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. bdy. of tp. 17 lks. W. of cor. of secs. 5, 6, 31 and 32.</p>
13.85 17.85 40.05	<p>Thence S. 0° 7' W. on a true line bet. secs. 5 and 6. Wash, 40 lks. wide, 3 ft. deep, course, S. 70° W. Wash, 35 lks. wide, 2 ft. deep, course, S. 70° W. 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>
80.05	<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. Cor. of secs. 5, 6, 7 and 8. Land, level. Soil, sandy loam, 1st rate. Timber, scattering iron wood and palo verde. Undergrowth, greasewood.</p>
40.00	<p>N. 0° 1' E. bet. secs. 32 and 33. Over level land, through scattering undergrowth. 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>
80.00	<p style="text-align: center;">S 32 $\frac{1}{4}$:S 33 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. 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.</p>
	<p style="text-align: center;">T 3 S R 1 E S 29:S 28 S 32:S 33 1916</p>

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, level.
 Soil, sandy loam, 1st rate.
 No timber.
 Undergrowth, greasewood, and scattering mesquite.

West on a random line bet. secs. 29 and 32.
 40.00 Set temp. ¼ sec. cor.
 80.00 Intersect N. and S. line, 2 lks. S. of cor. of Secs. 29, 30, 31 and 32.
 Thence
 S. 89° 59' E. on a true line bet. secs. 29 and 32.
 40.00 Over level land, through scattering undergrowth.
 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 32
 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.
 80.00 Cor. of secs. 28, 29, 32 and 33.
 Land, level.
 Soil, sandy loam 1st rate.
 No timber.
 Undergrowth, greasewood and scattering mesquite.

N. 0° 1' E. bet. secs. 28 and 29.
 Over level land, through scattering timber and undergrowth.
 10.80 Road, brs. NW. and SE.
 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.

1916
 T 3 S R 1 E
 S 20:S 21
 S 29: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.
 dig pits 18 X 18 X 12 ins. in each sec. 5½ ft. dist. and raise amount of earth 4 ft. base, 2 ft. high W. of cor.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, scattering scrub mesquite.
 Undergrowth, greasewood.

West on a random line bet. secs. 20 and 29.
 40.00 Set temp. ¼ sec. cor.
 80.01 Intersect N. and S. line 2 lks. N. of cor. of secs. 19, 20, 29 and 30.
 Thence
 N. 89° 59' E. on a true line bet. secs. 20 and 29.
 Over level land, through scattering undergrowth.

Subdivision of T.3 S.,R.1 E.

Chains
40.00½

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

¼
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.

80.01

Cor. of secs. 20, 21, 28 and 29.
Land, level.
Soil, sandy loam, 1st rate.
No timber.
Undergrowth, greasewood and scattering mesquite brush.

N. 0° 1' E. bet. secs. 20 and 21.
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 20 ¼ : S 21

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.

60.00

Wash, 10 lks. wide, ½ ft. deep, course, S. 60° 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 1 E

S 17 : S 16

S 20 : S 21

1916

from which,

An iron wood, 6 ins. in diam., brs. S. 24¼° E.
7 lks. dist. mkd. T 3 S R 1 E S 21 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, sandy loam, 1st rate.

Timber, scattering iron wood, palo verde and mesquite.

Undergrowth, greasewood.

Mar. 2, 1916, at this cor. I set off 7° 5' S. on the decl. arc; and at apparent noon observe the sun on the mer; the resulting lat. is 33° 10' N.

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

40.00

Set temp. ¼ sec. cor.

80.00

Intersect N. and S. line. 2 lks. S. of cor. of secs. 17, 18, 19 and 20.

Thence

S. 89° 59' E. on a true line bet. secs. 17 and 20.

Over level land, through scattering timber and undergrowth.

35.70

Wash, 20 lks. wide, 1 ft. deep, course, S. 30° W.

39.80

Wash, 20 lks. wide, 1 ft. deep, course, S. 30° W.

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 17

¼

S 20

1916

Chains

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.

55.00 Wash, 15 lks. wide, 1 ft. deep, course, S. 40° W.
 60.30 Wash, 15 lks. wide, 1 ft. deep, course, S. 40° W.
 75.40 Wash, 10 lks. wide, 1 ft. deep, course, S. 30° W.
 80.00 Cor. of secs. 16, 17, 20 and 21.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood.

N. 0° 1' E. bet. secs. 16 and 17.
 Over level land, through scattering timber and undergrowth.

2.60 Wash, 10 lks. wide, $\frac{1}{2}$ ft. deep, course, S. 60° W.
 31.50 Wash, 20 lks. wide, 2 ft. deep, course, S. 40° W.
 32.50 Wash, 40 lks. wide, 2 ft. deep, course, S. 40° W.
 36.60 Wash, 20 lks. wide, 2 ft. deep, course, S. 50° 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 17 $\frac{1}{4}$:S 16

1916

from which,

An iron wood, 6 ins. in diam., brs. S. 29° W.
 82 lks. dist. mkd. $\frac{1}{4}$ S 17 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 $3\frac{1}{2}$ 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. 8, 9, 16 and 17, with brass cap mkd.

T 3 S R 1 E

S 8 :S 9

S 17 :S 16

1916

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

Land, level.

Soil, sandy loam, 1st rate.

Timber, scattering iron wood and palo verde.

Undergrowth, greasewood.

West on a random line bet. 8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.03 Intersect N. and S. line, 1 lk. N. of cor. of secs. 7, 8, 17 and 18.

Thence

East on a true line bet. secs. 8 and 17.
 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 8

$\frac{1}{4}$

S 17

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.

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

69.10 Wash, 15 lks. wide, 2 ft. deep, course, S. 80° W.

80.03 Cor. of secs. 8, 9, 16 and 17.

Land, level.

Soil, sandy loam, 1st rate.

Timber, scattering palo verde.

Undergrowth, greasewood.

Subdivision of T.3 S., R.1 E.

Chains

N. 0° 1' E. bet. secs. 8 and 9.
 Over level land, through scattering timber and undergrowth.
 .80 Wash, 15 lks. wide, 2 ft. deep, course, S. 85° W.
 40.00 True point for $\frac{1}{4}$ sec. cor. falls in wash, 35 lks. wide, 1 $\frac{1}{2}$ ft. deep, course, S. 70° W., therefore at
 40.40 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 8 $\frac{1}{4}$:S 9
 WC
 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.
 48.50 Wash, 15 lks. wide, 1 ft. deep, course, S. 70° W.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 4, 5, 8 and 9, with brass cap mkd.
 T 3 S R 1 E
 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.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, scattering palo verde.
 Undergrowth, greasewood.

40.00 West on a random line, bet. secs. 5 and 8.
 79.99 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 3 lks. S. of cor. of secs. 5, 6, 7 and 8.
 Thence
 S: 89° 59' E. on a true line bet. secs. 5 and 8.
 Over level land, through scattering timber and undergrowth.
 39.99 $\frac{1}{2}$ 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 5
 $\frac{1}{4}$
 S 8
 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.
 79.99 Cor. of secs. 4, 5, 8 and 9.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, scattering timber and palo verde.
 Undergrowth, greasewood.

40.00 North on a random line, bet. secs. 4 and 5.
 80.10 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect. N. bdy. of tp. 12 lks. W. of cor. of secs. 4, 5, 32 and 33.
 Thence
 S. 0° 5' W. on a true line bet. secs. 4 and 5.
 Over level land, through scattering timber and undergrowth.
 10.30 Wash, 25 lks. wide, 2 ft. deep, course, W.
 40.10 True point for $\frac{1}{4}$ sec. cor. falls in wash, 40 lks. wide, 2 ft. deep, course, S. 70° W., therefore at

12

Subdivision of T.3 S., R.1 E.

Chains

40.40

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.

W.C. $\frac{1}{4}$

S 5 $\frac{1}{4}$ S 4

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.

45.10

Wash, 50 lks. wide, 2 ft. deep, course, S. 70° W.

80.10

Cor. of secs. 4, 5, 8 and 9.

Land, level.

Soil, sandy loam, 1st rate.

Timber, scattering palo verde and iron wood.

Undergrowth, greasewood, ocotillos and cacti.

Mar. 2, 1916, at 8h., a.m., l.m.t., I set off 33° 7' N. on the lat. arc; 7° 8' S. on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 3, 4, 33 and 34, S. bdy. of tp. as described in book "A".

Thence

N. 0° 2' E. bet. secs. 33 and 34.

Over level land, through scattering timber and undergrowth.

1.60

Road, brs. NW. and SE.

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.

42.10

Wash, 10 lks. wide, 1 ft. deep, course, S. 70° W.

64.50

Wash, 10 lks. wide, 1 ft. deep, course, S. 70° W.

77.70

Wash, 10 lks. wide, 1 ft. deep, course, S. 70° W.

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 1 E

S 28:S 27

S 33:S 34

1916

from which,

An iron wood, 18 ins. in diam., brs. N. 72° E.

60 lks. dist. mkd. T 3 S R 1 E S 27 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, sandy loam, 1st rate. to 40 chs.; remainder gravelly 2nd rate.

Timber, scattering iron wood and palo verde.

Undergrowth, greasewood.

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

40.00

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

80.00

Intersect N. and S. line. 2 lks. N. of cor. of secs. 28, 29, 32 and 33.

Thence

N. 89° 59' E. on a true line bet. secs. 28 and 33.

Over level land, through scattering timber and undergrowth.

10.40

Road, brs. NW. and SE.

Subdivision of T.3 S.,R.1 E.

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 28
 $\frac{1}{4}$
 S 33
 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.

80.00 Cor. of secs. 27, 28, 33 and 34.
 Land, level.
 Soil, sandy loam, 1st rate.
 Timber, scattering iron wood and palo verde.
 Undergrowth, greasewood.

Mar. 3, 1916, at 8h., a.m., l.m.t., I set off $33^{\circ} 8'$ N. on the lat. arc; $6^{\circ} 45'$ S. on the decl. arc; and determine a mer. with the solar at the cor. of secs. 27, 28, 33 and 34.

Thence
 N. $0^{\circ} 2'$ E. bet. secs. 27 and 28.
 Over level land, through scattering timber and undergrowth.

14.00 Wash, 10 lks. wide, 2 ft. deep, course, W.
 18.50 Wash, 10 lks. wide, 1 ft. deep, course, S. 75° W.
 30.95 Wash, 10 lks. wide, 1 ft. deep, course, S. 60° W.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ 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.

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 1 E
 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, palo verde and iron wood.
 Undergrowth, greasewood.

40.00 West on a random line bet. secs. 21 and 28.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.01 Intersect N. and S. line, at cor. of secs. 20, 21, 28 and 29.

Thence
 East on a true line bet. secs. 21 and 28.
 Over level land, through scattering timber and undergrowth.

15.56 Wash, 15 lks. wide, 1 ft. deep, course, SW.
 40.00 $\frac{1}{2}$ 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 21
 $\frac{1}{4}$
 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

14

Subdivision of T. 3 S., R. 1 E.

Chains 80.01	Cor. of secs. 21, 22, 27 and 28. Land, level. Soil, loose sandy clay, 1st rate. Timber, scattering mesquite and iron wood. Undergrowth, greasewood.
	N. 0° 2' E. bet. secs. 21 and 22. Over level land, through scattering timber and undergrowth.
23.40	Wash, 15 lks. wide, 3 ft. deep, course, S. 75° W.
25.00	Leave level land, and asc. SW. slope, 100 ft. to $\frac{1}{4}$ sec. cor.
30.00	Wash, 50 lks. wide, 4 ft. deep, course, S. 75° W.
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd. S 21 $\frac{1}{4}$:S 22 1916 and build a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. Asc. SW. slope, 210 ft. to Spur slopes S. 60° W., Thence along W. slope, desc. 25 ft. to
46.75	Draw, course, W., asc. SW. slope, 102 ft. to
49.70	Ridge brs. NW. and S. 30° E., desc. NE. slope, 126 ft. to
54.58	Point of spur slopes E. desc. N. slope, 134 ft. to
63.85	Wash, 20 lks. wide, 3 ft. deep, course, N. 70° E.
72.72	Thence over level land.
80.00	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 1 E 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, and mountainous. Soil, loose, gravelly clay, 2nd rate. on level; remainder coarse, decomposed granite, rocky, 3rd rate. Timber, palo verde and iron wood. Undergrowth, greasewood.
	West on a random line bet. secs. 16 and 21.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line at cor. of secs. 16, 17, 20 and 21. Thence East on a true line bet. secs. 16 and 21. Over level land, through scattering timber and undergrowth.
39.80	Wash, 15 lks. wide, 2 ft. deep, course, S. 30° E.
40.03	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 16 $\frac{1}{4}$ S 21 1916 from which, An iron wood, 10 ins. in diam., bfs. N. 39 $\frac{1}{2}$ ° W. 252 lks. dist. mkd. $\frac{1}{4}$ S 16 B T. An iron wood, 8 ins. in diam., brs. S. 18° E. 116 lks. dist. mkd. $\frac{1}{4}$ S 21 B T.
43.35	Leave level land, asc. W. slope, 257 ft. to
57.56	Ridge brs. NW. and S. 30° E. Desc. NE. slope, 226 ft. to

Subdivision of T. 3 S. R. 1 E.

Chains

71.26
80.06

Wash, 30 lks. wide, 6 ft. deep, course, NE.
Cor. of secs. 15, 16, 21 and 22.
Land, level, and mountainous.
Soil, loose, sandy clay, 1st rate. on level; remainder
coarse, decomposed granite, rocky, 3rd rate.
Timber, palo verde, mesquite and iron wood.
Undergrowth, greasewood and cacti.

N. 0° 2' E. bet. secs. 15 and 16.
Over level land, through scattering timber and under-
growth.

1.30
8.10
33.40
40.00

Wash, 10 lks. wide, 2 ft. deep, course, N. 60° W.
Wash, 20 lks. wide, 2 ft. deep, course, N. 70° W.
Wash, 20 lks. wide, 3 ft. deep, course, N. 60° W.
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 16 $\frac{1}{4}$:S 15

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.

48.50
80.00

Wash, 70 lks. wide, 2 ft. deep, course, W.
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
the ground for cor. of secs. 9, 10, 15 and 16, with
brass cap mkd.

T 3 S R 1 E
S 9 :S 10
S 16:S 15

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, scattering palo verde, mesquite, iron wood, and
cat claw.
Undergrowth, greasewood.

40.00
80.05

West on a random line bet. secs. 9 and 16.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line, 2 lks. S. of cor. of secs. 8, 9,
16 and 17.

Thence
S. 89° 59' E. on a true line bet. secs. 9 and 16.
Over level land, through scattering timber and under-
growth.

19.45
29.15
40.02 $\frac{1}{2}$

Wash, 30 lks. wide, 1 ft. deep, course, N. 80° W.
Same wash, course, S. 60° W.
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 9
 $\frac{1}{4}$
S 16
1916

from which,
A palo verde, 10 ins. in diam., brs., N. 51° E.
31 lks. dist. mkd. $\frac{1}{4}$ S 9 B T.
A palo verde, 12 ins. in diam., brs. S. 9 $\frac{1}{4}$ ° W.
179 lks. dist. mkd. $\frac{1}{4}$ S 16 B T.

80.05

Cor. of secs. 9, 10, 15 and 16.
Land, level.
Soil, loose sandy clay, 1strate.
Timber, palo verde, mesquite, iron wood and cat claw.
Undergrowth, greasewood.

Chains	
	N. 0° 2' E. bet. secs. 9 and 10. Over level land, through scattering timber and undergrowth.
4.30	Wash, 40 lks. wide, 1 ft. deep, course, W.
20.70	Wash, 25 lks. wide, 2 ft. deep, course, S. 45° W.
27.50	Wash, 55 lks. wide, 2 ft. deep, course, S. 45° 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 9 $\frac{1}{4}$:S 10
	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.
65.40	Wash, 25 lks. wide, 1 ft. deep, course, SW.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 3, 4, 9 and 10, with brass cap mkd. T 3 S R 1 E 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, level. Soil, loose gravelly clay, 2nd rate. Timber, palo verde, iron wood and mesquite. Undergrowth, greasewood.
	West on a random line bet. secs. 4 and 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.01	Intersect N. and S. line, at cor. of secs. 4, 5, 8 and 9. Thence East on a true line bet. secs. 4 and 9. Over level land, through scattering timber and undergrowth.
40.00 $\frac{1}{2}$	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 4 $\frac{1}{4}$ 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 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.
49.70	Wash, 40 lks. wide, 1 ft. deep, course, S. 45° W.
74.25	Wash, 55 lks. wide, 3 ft. deep, course, SW.
80.01	Cor. of secs. 3, 4, 9 and 10. Land, level. Soil, loose sandy clay, 2nd rate. Timber, palo verde, mesquite and iron wood. Undergrowth, greasewood.
	N. 0° 2' E. on a random line bet. secs. 3 and 4.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.23	Intersect N. bdy. of tp. 8 lks. W. of cor. of secs. 3, 4, 33 and 34, as described in book "A". Thence S. 0° 5' W. on a true line bet. secs. 3 and 4. Over level land, through scattering timber and undergrowth.
1.43	Wash, 35 lks. wide, 5 ft. deep, course, SW.
6.28	Wash, 80 lks. wide, 3 ft. deep, course, SW.

Subdivision of T.3 S., R.1 E.

Chains

9.33 Wash, 35 lks. wide, 4 ft. deep, course, SW.
 27.93 Wash, 50 lks. wide, 3 ft. deep, course, S. 75° W.
 40.23 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

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.

68.53 Wash, 50 lks. wide, 1 ft. deep, course, SW.
 75.43 Wash, 50 lks. wide, 1 ft. deep, course, SW.
 80.23 Cor. of secs. 3, 4, 9 and 10.

Land, level.
 Soil, loose gravelly clay, and decomposed granite, 2nd and
 3rd rates.
 Timber, palo verde and iron wood.
 Undergrowth, greasewood.

Mar. 3, 1916, at 8h., a.m., l.m.t., I set off 33° 7' N. on
 the lat. arc; 6° 45' S. on the decl. arc; and deter-
 mine a mer. with the solar at the cor. of secs.
 2, 3, 34 and 35, S. bdy. of tp. as described in book
 "A".

Thence

N. 0° 2' E. bet. secs. 34 and 35.
 Over gradual SW. slope, through scattering timber and
 undergrowth.

21.40 Wash, 40 lks. wide, 6 ft. deep, course, W.
 35.30 Wash, 70 lks. wide, 6 ft. deep, course, W.
 38.30 Wash, 50 lks. wide, 6 ft. deep, course, S. 70° 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 34 $\frac{1}{4}$:S 35

1916

and build a mound of stone, 3 ft. base, 2 ft. high
 W. of cor.

40.80 Wash, 60 lks. wide, 6 ft. deep, course, S. 60° W.
 51.00 Wash, 80 lks. wide, 6 ft. deep, course, W.
 69.80 Wash, 100 lks. wide, 10 ft. deep, course, W.
 75.90 Wash, 60 lks. wide, 7 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. 26, 27, 34 and 35, with
 brass cap mkd.

T 3 S R 1 E

S 27:S 26

S 34:S 35

1916

and build a mound of stone, 3 ft. base, 2 ft. high
 W. of cor.

Land, rolling bet. washes.
 Soil, stony, gravelly, granite and quartz formation, 3rd
 rate.
 Timber, palo verde and iron wood.
 Undergrowth, greasewood, ocotillos and cacti.

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

40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.03 Intersect N. and S. line, 3 lks. S. of cor. of secs. 27,
 28, 33 and 34.

Thence

N. 89° 59' E. on a true line bet. secs. 27 and 34.
 Over nearly level land, through scattering timber and under-
 growth.

Chains 40.01½	<p>Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. with brass cap mkd.</p> <p style="text-align: center;">S 27 ¼ S 34 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, 3½ ft. base, 1½ ft. high N. of cor.</p>
73.20 80.03	<p>Wash, 60 lks. wide, 8 ft. deep, course, S. 70° W. Cor. of secs. 26, 27, 34 and 35. Land, gentle SW. slope. Soil, stony, gravelly, 2nd rate. Timber, scattering palo verde and iron wood. Undergrowth, greasewood, ocotillos and cacti.</p>
N. 0° 2' E. bet. secs. 26 and 27. Over rolling and mountainous land, through scattering timber and undergrowth.	
3.00	<p>Wash, 60 lks. wide, 8 ft. deep, course, S. 60° W. Asc. SW. slope, 86 ft. to</p>
20.00	<p>Asc. SE. slope, 450 ft. to</p>
37.92	<p>Spur slopes S. 40° W. Change to W. slope.</p>
39.70	<p>Spur slopes S. 70° W. 536 ft. above sec. cor.</p>
40.00	<p>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.</p> <p style="text-align: center;">S 27 ¼ : S 26 1916</p>
Pits impracticable.	
<p>Build a mound of stone, 2 ft. base, 1½ ft. high W. of cor. Desc. over NW. slope, 57 ft. to</p>	
45.20	<p>Top of ridge brs. N. 40° W. and S. 60° E. 469 ft. high. Desc. NE. slope, desc. NE. slope, 107 ft. to</p>
50.00	<p>Asc. SW. slope, 16 ft. to</p>
53.00	<p>Desc. 127 ft. to</p>
61.00	<p>Asc. 8 ft. to</p>
61.50	<p>Desc. 34 ft. to</p>
67.50	<p>Desc. NE. slope, 105 ft. to</p>
80.00	<p>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> <p style="text-align: center;">T 3 S R 1 E S 22 : S 23 S 27 : S 26 1916</p> <p>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 and mountainous. Soil, gravelly and rocky, granite formation, 4th rate. Timber, scrub palo verde. Undergrowth, greasewood, ocotillos and cacti. Mar. 3, 1916, at this cor. I set off 6° 42' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 9' N.</p>
Mar. 4, 1916, at 8h., a.m., l.m.t., I set off 33° 9' S. on the lat. arc; 6° 22' S. on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 22, 23, 26 and 27.	
400.00	<p>Thence West on a random line bet. secs. 22 and 27. Set temp. ¼ sec. cor.</p>

Subdivision of T.3 S., R.1 E.

Chains

79.90 Intersect N. and S. line, 18 lks. N. of cor. of secs. 21, 22, 27 and 28.
 Thence
 N. 89° 52' E. on a true line bet. secs. 22 and 27.
 Over level land, through scattering timber and undergrowth.

22.40 Wash, 50 lks. wide, 4 ft. deep, course, S. 75° W.
 Asc. W. slope, 463 ft. to

39.95 Set an iron post 3 ft. long, 1 in. in diam., 6 in surface rock, in a mound of stone, for 1/4 sec. cor. with brass cap mkd.

S 22
 1/4
 S 27
 1916

Pits impracticable.
 Build a mound of stone, 2 ft. base, 1 1/2 ft. high N. of cor.
 Asc. W. slope, 169 ft. to

43.28 Ridge brs. NW. and S., desc. NE. slope, 56 ft. to

45.10 Head of wash, course, N., asc. NW. slope, 56 ft. to

48.28 Spur slopes N., desc. NE. slope, 91 ft. to

53.09 Drawn course, N., asc. NW. slope, 16 ft. to

54.25 Spur slopes, N. 10° E., desc. SE. slope, 379 ft. to

66.22 Wash, 20 lks. wide, 4 ft. deep, course, NE.
 Thence over level land.

72.82 Wash, 20 lks. wide, 2 ft. deep, course, NE.

79.90 Cor. of secs. 22, 23, 26 and 27.
 Land, level and mountainous.
 Soil, loose sandy clay, 1st rate on level land, remainder coarse, decomposed granite, rocky, 4th rate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood.

N. 0° 2' E. bet. secs. 22 and 23.
 Over level land, through scattering timber and undergrowth.

17.80 Wash, 25 lks. wide, 3 ft. deep, course, N. 60° W.

18.90 Wash, 60 lks. wide, 3 ft. deep, course, N. 60° W.

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

S 22 1/4 : S 23

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.

47.80 Wash, 15 lks. wide, 2 ft. deep, course, NW.

67.60 Wash, 20 lks. wide, 2 ft. deep, course, NW.

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

T 3 S R 1 E

S 15 : S 14

S 22 : S 23

1916

dig pits 18 X 18 X 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 3 1/2 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.

20

Subdivision of T. 3 S., R. 1 E.

Chains	
	West on a random line bet. secs. 15 and 22.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 14 lks. N. of cor. of secs. 15, 16, 21 and 22.
	Thence
	N. $89^{\circ} 54'$ E. on a true line bet. secs. 15 and 22.
	Over level land, through scattering timber and undergrowth.
1.58	Wash, 10 lks. wide, 2 ft. deep, course, NW.
9.85	Wash, 25 lks. wide, 2 ft. deep, course, NW.
22.00	Wash, 15 lks. wide, 1 ft. deep, course, N. 60° W.
40.04	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 $\frac{1}{4}$ <u>S 22</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.
43.55	Wash, 12 lks. wide, 2 ft. deep, course, NW.
64.80	Wash, 20 lks. wide, 2 ft. deep, course, NW.
80.08	Cor. of secs. 14, 15, 22 and 23.
	Land, level.
	Soil, loose gravelly, clay, 2nd rate.
	Timber, palo verde, iron wood and mesquite.
	Undergrowth, greasewood.
<hr/>	
	N. $0^{\circ} 2'$ E. bet. secs. 14 and 15.
	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 15 $\frac{1}{4}$:S 14 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.
57.30	Wash, 25 lks. wide, 2 ft. deep, course, N. 60° W.
59.70	Wash, 35 lks. wide, 1 ft. deep, course, NW.
69.30	Wash, 40 lks. wide, 3 ft. deep, course, W.
75.70	Wash, 20 lks. wide, 1 ft. deep, course, S. 75° W.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 10, 11, 14 and 15, with brass cap mkd.
	T 3 S R 1 E <u>S 10:S 11</u> S 15:S 14 1916
	from which,
	An iron wood, 8 ins. in diam., brs. N. $37\frac{1}{2}^{\circ}$ E. 281 lks. dist. mkd. T 3 S R 1 E S 11 B T.
	A palo verde, 12 ins. in diam., brs. S. $65\frac{1}{2}^{\circ}$ E. 153 lks. dist. mkd. T 3 S R 1 E S 14 B T.
	A palo verde, 6 ins. in diam., brs. S. $14\frac{1}{2}^{\circ}$ W. 272 lks. dist. mkd. T 3 S R 1 E S 15 B T.
	An iron wood, 10 ins. in diam., brs. N. 11° W. 352 lks. dist. mkd. T 3 S R 1 E S 10 B T.
	Land, level.
	Soil, loose sandy clay, 1st rate.
	Timber, palo verde, iron wood, mesquite and cat claw.
	Undergrowth, greasewood.
	Mar. 4, 1916, at this cor. I set off $6^{\circ} 19'$ S. on the decl. arc; and at apparent noon observe the sun on the mer. the resulting lat. is $33^{\circ} 10'$ N.

Subdivision of T.3 S., R.1 E.

Chains

West on a random line bet. secs. 10 and 15.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.10 Intersect N. and S. line, 17 lks. N. of cor. of secs. 9,
 10, 15 and 16,
 Thence
 N. $89^{\circ} 53'$ E. on a true line bet. secs. 10 and 15.
 Over level land, through scattering timber and under-
 growth.
 40.05 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 10
 $\frac{1}{4}$
 S 15
 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.
 28.85 Wash, 15 lks. wide, 2 ft. deep, course, SW.
 80.10 Cor. of secs. 10, 11, 14 and 15.
 Land, level.
 Soil, loose gravelly, clay, 2nd rate.
 Timber, palo verde, mesquite and iron wood.
 Undergrowth, greasewood.

N. $0^{\circ} 2'$ E. bet. secs. 10 and 11.
 Over level land, through scattering timber and under-
 growth.
 30.40 Wash, 20 lks. wide, 1 ft. deep, course, S. 60° W.
 32.50 Wash, 20 lks. wide, 1 ft. deep, course, S. 60° W.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
 S 10 $\frac{1}{4}$: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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
 high W. of cor.
 56.70 Wash, 30 lks. wide, 2 ft. deep, course, S. 80° W.
 57.00 Over stony ground, brs. N. 20° W. and S. 20° E.
 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 1 E
 S 3 :S 2
 S 10:S 11
 1916
 and build a mound of stone, 3 ft. base, 2 ft. high
 W. of cor.
 Land, level.
 Soil, gravelly and stony, 2nd and 3rd rates.
 Timber, iron wood and palo verde.
 Undergrowth, greasewood, ocotillos and giant cacti.

Mar. 7, 1916, at 8h., a.m., l.m.t., I set off $33^{\circ} 11'$ N. on
 the lat. arc; $5^{\circ} 12'$ S. on the decl. arc; and deter-
 mine a mer. with the solar at the cor. of secs.
 2, 3, 10 and 11.
 Thence
 West on a random line bet. secs. 3 and 10.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.15 Intersect N. and S. line, 10 lks. N. of cor. of secs. 3,
 4, 9 and 10.
 Thence
 N. $89^{\circ} 56'$ E. on a true line bet. secs. 3 and 10.
 Over level land, through scattering timber and under-
 growth.

22

Subdivision of T.3 S., R.1 E.

Chains	
39.40	Wash, 25 lks. wide, 1 ft. deep, course, SW.
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. S 3 $\frac{1}{4}$ S 10 1916
	from which, A palo verde, 8 ins. in diam., brs. N. $19\frac{1}{2}^{\circ}$ W. 55 lks. dist. mkd. $\frac{1}{4}$ S 3 B T. An iron wood 12 ins. in diam., brs. S. 2° W. 138 lks. dist. mkd. $\frac{1}{4}$ S 10 B T.
48.80	Wash, 60 lks. wide, 3 ft. deep, course, SW.
73.10	Wash, 15 lks. wide, 3 ft. deep, course, S. 20° W.
79.70	Wash, 25 lks. wide, 3 ft. deep, course, SW.
80.16	Cor. of secs. 2, 3, 10 and 11. Land, level. Soil, loose, coarse, gravelly clay, 2nd rate, Timber, palo verde, iron wood and mesquite. Undergrowth, greasewood, and cacti.
	N. 0° 2' E. on a random line bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.16	Intersect N. bdy. of tp. at cor. of secs. 2, 3, 34 and 35, as described in book "A". Thence <i>S. 0° 2' W. on a true line bet. secs. 2 and 3</i>
4.85	Wash, 25 lks. wide, 4 ft. deep, course, SW.
8.46	Wash, 25 lks. wide, 3 ft. deep, course, SW.
16.46	Wash, 50 lks. wide, 4 ft. deep, course, SW.
21.86	Wash, 85 lks. wide, 5 ft. deep, course, SW.
33.06	Wash, 25 lks. wide, 3 ft. deep, course, SW.
40.16	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 and build a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
47.86	Wash, 50 lks. wide, 4 ft. deep, course, SW.
57.35	Wash, 40 lks. wide, 6 ft. deep, course, SW.
70.96	Wash, 20 lks. wide, 3 ft. deep, course, SW.
79.61	Wash, 20 lks. wide, 3 ft. deep, course, SW.
80.16	Cor. of secs. 2, 3, 10 and 11. Land, level. Soil, loose, coarse, decomposed granite, rocky, 3rd rate. Timber, palo verde and iron wood. Undergrowth, greasewood, and cacti.
	Mar. 4, 1916, at 8h., a.m., l.m.t., I set off 33° 7' N. on the lat. arc; 6° 22' 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° 3' E. bet. secs. 35 and 36. Over mountainous land, through scattering timber and undergrowth. Asc. steep rocky S. slope, 910 ft. to Top of ridge, brs. N. 40° W. and S. 50° E.
31.00	True point for $\frac{1}{4}$ sec. cor. falls on slide rock, on steep NE. slope, therefore at
40.00	Set an iron post 3 ft. long, 1 in. in diam., on surface rock, in a mound of stone, 4 ft. base, 2 ft. high for W.C. $\frac{1}{4}$ sec. cor. with brass cap mkd. WC S 35 $\frac{1}{4}$:S 36 1916
31.00	

Subdivision of T.3 S., R.1 E.

Chains

Pits impracticable.
 Build a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
 Desc. NE. slope, 311 ft. to
 45.60 Asc. 69 ft. to
 52.00 Desc. 256 ft. to
 67.90 Top of spur slopes, NE., desc. NE. slope, 294 ft.
 77.00 Wash, 80 lks. wide, 8 ft. deep, course, NE.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 6 ins. in
 the ground, to solid rock, in a mound of stone,
 4 ft. base, 2 ft. high for cor. of secs. 25, 26, 35
 and 36, with brass cap mkd.

T 3 S R 1 E
S 26:S 25
 S 35:S 36
 1916

Pits impracticable.
 Build a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
 Land, mountainous.
 Soil, rocky, granite, 4th rate.
 Timber, scrub palo verde.
 Undergrowth, greasewood, ocotillos and giant cacti.

West on a random line bet. secs. 26 and 35.
 40.00 Set temp. ¼ sec. cor.
 79.97 Intersect N. and S. line at cor. of secs. 26, 27, 34 and
 35.
 Thence
 East on a true line bet. secs. 26 and 35.
 Over mountainous land, through scattering timber and under-
 growth.
 Asc. SW. slope, 1056 ft. to top of ridge.
 39.98½ True point for ¼ sec. cor. falls on slide rock, on steep
 SW. slope, therefore at
 51.33 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 W.C. ¼ sec. cor. with brass cap mkd.

S 26
 $\frac{1}{4}$
WC S 35
 1916

Build a mound of stone, 2½ ft. base, 1½ ft. high N. of cor. .
 Top of ridge, b'rs. N. 40° W. and S. 40° E.
 Desc. steep NE. slope, 673 ft. to sec. cor.
 76.70 Spur slopes NE.
 79.97 Cor. of secs. 25, 26, 35 and 36.
 Land, mountainous.
 Soil, rocky, granite and quartz, 4th rate.
 Timber, scrub palo verde.
 Undergrowth, greasewood, ocotillos and cacti.

East on a true line bet. secs. 25 and 36.
 Over mountainous land, through scattering timber and under-
 growth.
 Desc. NE. slope, 284 ft. to ¼ sec. cor.
 2.55 Wash, 80 lks. wide, 10 ft. deep, course, NE.
 31.90 Wash, 30 lks. wide, 5 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 ¼ 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 3½ ft. base, 1½ ft.
 high N. of cor.
 Desc. gradual NE. slope.

Chains

57.80

Wash, 20 lks. wide, 2 ft. deep, course, S. 40° E.
Asc. gradual S. and SW. slope

63.30

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

77.80

Wash, 30 lks. wide, 4 ft. deep, course, S. 10° W.

82.95

Intersect W. bdy. of T.3 S., R.2 E. 7.78 chs. S. of cor.
of secs. 30 and 31, which is an iron post 1 in. in
diam., properly set, mkd. and witnessed as described
by the Surveyor General.

Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
the ground for C.C. of secs. 25 and 36, with brass
cap mkd.

T 3 S

R 1 E:

S 25 :

C:

C:

S 36 :

1916

and build a mound of stone, 3 ft. base, 2 ft. high
W. of cor.

Land, hilly and rolling.

Soil, stony and gravelly, 3rd rate.

Timber, palo verde and iron wood.

Undergrowth, greasewood, ocotillos and cacti.

Mar. 4, 1916, at this cor. I set off 6° 19' S. on the
decl. arc; and at apparent noon, observe the sun on
the mer.; the resulting lat. is 33° 8' N.

N. 0° 3' E. bet. secs. 25 and 26.

Over mountainous land, through scattering timber and
undergrowth.

5.40

Asc. SE. slope, 31 ft. to

40.00

Desc. NE. slope, 388 ft. to

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

and build a mound of stone, 3 ft. base, 2 ft. high
W. of cor.

Desc. gradual N. slope.

45.00

Leave stony land, brs. NW. and SE.

51.00

Wash, 30 lks. wide, 1 ft. deep, course, N. 70° W.

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 1 E

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, mountainous to 40 chs.; remainder nearly level.

Soil, rocky, 4th rate. and gravelly, 2nd rate.

Timber, palo verde and iron wood.

Undergrowth, greasewood, ocotillos and cacti.

40.00

West on a random line bet. secs. 23 and 26.

80.00

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

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

Thence

S. 89° 58' E. on a true line bet. secs. 23 and 26.

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

Subdivision of T.3 S., R.1 E.

Chains

Over level land, through scattering timber and undergrowth.

5.00 Wash, 10 lks. wide, 1 ft. deep, course, N.
 29.40 Wash, 30 lks. wide, 2 ft. deep, course, N. 50° 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 23
 $\frac{1}{4}$
 S 26
 1916

from which,
 A palo verde, 14 ins. in diam., brs. N. 16 $\frac{1}{2}$ ° W. 27 lks. dist. mkd. $\frac{1}{4}$ S 23 B T.
 An iron wood, 8 ins. in diam., brs. S. 20 $\frac{1}{2}$ ° W. 51 lks. dist. mkd. $\frac{1}{4}$ sec. 26 B T.

41.20 Wash, 40 lks. wide, 2 ft. deep, course, N. 60° W.
 80.00 Cor. of secs. 23, 24, 25 and 26.
 Land, level.
 Soil, stony and sandy gravel, 2nd rate.
 Timber, palo verde and iron wood.
 Undergrowth, greasewood, ocotillos and cacti.

East on a true line bet. secs. 24 and 25 .
 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 24
 $\frac{1}{4}$
 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.

42.30 Wash, 30 lks. wide, 2 ft. deep, course, S. 10° W.
 50.00 Wash, 30 lks. wide, 4 ft. deep, course, S. 30° W.
 Enter stony land, brs. N. and S.
 70.00 Asc. W. slope, over granite rocks, 405 ft. to
 82.84 Intersect E. bdy. of tp. 7.55 chs. S. of cor. of secs. 19 and 30, T.3 S., R.2 E., which is an iron post, 1 in. in diam., properly set, mkd. and witnessed as described by the Surveyor General.

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

T 3 S
 R 1 E:
 S 24 :
 C:
 C:
 S 25 :
 1916

and build a mound of stone, 3 ft. base, 2 ft. high W. of cor.

Land, level to 50 chs. remainder mountainous.
 Soil, sandy gravelly, 2nd rate on level; remainder, stony, 3rd rate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood, ocotillos and cacti.

N. 0° 3' E. bet. secs. 23 and 24.
 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.

Chains

S 23 1/4 : S 24

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.

Mar. 6, 1916, at 8h. 30m. a.m., 1 m.t., I set off 33° 9' N. on the lat. arc; 5° 32' S. on the decl. arc; and determine a mer. with the solar.

79.70
80.00

Wash, 20 lks. wide, 1 ft. deep, course, N. 80° W.
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 1 E

S 14 : S 13

S 23 : S 24

1916

from which,

An iron wood, 6 ins. in diam., brs. S. 79 1/2° W. 270 lks. dist. mkd. T 3 S R 1 E S 23 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, sandy gravelly, 2nd rate.

Timber, palo verde and iron wood.

Undergrowth, greasewood, ocotillos and giant cacti.

40.00
79.98

West on a random line bet. secs. 14 and 23.

Set temp. 1/4 sec. cor.

Intersect N. and S. line, 4 lks. S. of cor. of secs. 14, 15, 22 and 23.

There

S. 89° 58' E. on a true line bet. secs. 14 and 23.

Over level land, through scattering timber and undergrowth.

39.99

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 14

1/4

S 23

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.

75.40
79.98

Wash, 20 lks. wide, 1 ft. deep, course, N. 80° W.

Cor. of secs. 13, 14, 23 and 24.

Land, level.

Soil, gravelly, 2nd rate.

Timber, iron wood and palo verde.

Undergrowth, greasewood, ocotillos and giant cacti.

19.00
40.00
45.30

East on a true line bet. secs. 13 and 24.

Over level land, through scattering timber and undergrowth.

Asc. rocky W. slope, 326 ft. to

True point for 1/4 sec. cor. falls on steep W. slope.

Asc. W. slope, 307 ft. to

Spur slopes, SW.

Set an iron post 3 ft. long, 1 in. in diam., on surface rock, in a mound of stone, 4 ft. base, 2 ft. high for W.C. 1/4 sec. cor. with brass cap mkd.

S 13

WC 1/4

S 24

1916

Subdivision of T.3 S., R.1 E.

Chains	<p>Fits impracticable. Build a mound of stone, 2 ft. base, 1½ ft. high N. of cor. Desc. SE. slope, 451. ft. to 68.80 Change to rolling land. Intersect E. bdy. of tp. 8 chs. S. of cor. of secs. 18 and 19, T.3 S., R.2 E., which is an iron post 1 in. in diam., properly set, mkd. and witnessed as described by the Surveyor General. Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for C.C. of secs. 13 and 24, with brass cap mkd.</p> <p style="text-align: center;">T 3 S R 1 E S 13 : ----- C : C : S 24 : 1916</p> <p>and build a mound of stone, 3 ft. base, 2 ft. high W. of cor. Land, level and mountainous. Soil, gravelly, 2nd rate on level, remainder, rocky, granite and quartz, 4th rate. Timber, iron wood and palo verde. Undergrowth, greasewood, ocotillos and cacti. Mar. 6, 1916, at this cor. I set off 5° 33' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 10' N.</p>
68.80 82.79	<hr/> <p>N. 0° 3' E. bet. secs. 13 and 14. Over nearly level land, through scattering timber and undergrowth. Along gradual W. slope. Wash, 60 lks. wide, 6 ft. deep, course, W. Wash, 40 lks. wide, 6 ft. deep, course, W. Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground to solid rock, in a mound of stone, 3 ft. base, 2 ft. high, for ¼ sec. cor. with brass cap mkd.</p> <p style="text-align: center;">S 14 ¼ : S 13 1916</p> <p>and build a mound of stone, 3 ft. base, 2 ft. high W. of cor. Thence over rolling land. Wash, 30 lks. wide, 4 ft. deep, course, W. Wash, 60 lks. wide, 3 ft. deep, course, W. Wash, 40 lks. wide, 8 ft. deep, course, W. 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.</p> <p style="text-align: center;">T 3 S R 1 E S 11 : S 12 S 14 : S 13 1916</p> <p>and build a mound of stone, 3 ft. base, 2 ft. high W. of cor. Land, rolling. Soil, gravelly to 25 chs., 2nd rate, remainder, stony, 4th rate. Timber, iron wood and palo verde. Undergrowth, greasewood, ocotillos and cacti.</p>
26.70 34.20 40.00	<hr/> <p>West on a random line bet. secs. 11 and 14. Set temp. ¼ sec. cor. Intersect N. and S. line, 2 lks. S. of cor. of secs. 10, 11, 14 and 15. Thence</p>
61.40 69.60 75.80 80.00	<hr/> <p>40.00 79.94</p>

Chains	
	S. 89° 59' E. on a true line bet. secs. 11 and 14. Over rolling land, through scattering timber and undergrowth.
14.95	Enter stony land, brs. N. and S.
29.54	Wash, 40 lks. wide, 6 ft. deep, course, S. 70° W.
39.97	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 14 1916 and build a mound of stone, 3 ft. base, 2 ft. high N. of cor.
78.54	Wash, 40 lks. wide, 6 ft. deep, course, S. 70° W.
79.94	Cor. of secs. 11, 12, 13 and 14. Land, rolling. Soil, stony and gravelly, 3rd rate. Timber, iron wood and palo verde. Undergrowth, greasewood, ocotillos and cacti.
<hr/>	
	Mar. 7, 1916, at 8h., a.m., l.m.t., I set off 33° 10' N. on the lat. arc; 5° 13' S. on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 11, 12, 13 and 14. Thence East on a true line bet. secs. 12 and 13. Over rolling land, through scattering timber and undergrowth.
11.00	Asc. W. slope, 391 ft. to top of spur.
14.90	Wash, 40 lks. wide, 8 ft. deep, course, S. 80° W. Change to NW. slope.
31.72	Top of spur, slopes, SW.
40.00	True point for $\frac{1}{4}$ sec. cor. falls on slide rock, on steep SE. slope, therefore at
31.72	Set an iron post 3 ft. long, 1 in. in diam., on surface rock, in a mound of stone, 3 ft. base, 2 ft. high for W.C. $\frac{1}{4}$ sec. cor. with brass cap mkd. S 12 $\frac{1}{4}$ WC S 13 1916 Pits impracticable. Build a mound of stone, 3 ft. base, 2 ft. high N. of cor. Desc. SE. slope, 154 ft. to
43.40	Wash, 60 lks. wide, 10 ft. deep, course, S. 50° W. Asc. W. slope, 1014 ft. to
81.80	Top of ridge, brs. N. 60° E. and S. 60° W.
82.69	Intersect E. bdy. of tp. 203 lks. S. of W.C. secs. 7 and 15, T.3 S., R.2 E., which is an iron post 1 in. in diam. properly set, mkd. and witnessed as described by the Surveyor General. Set an iron post 3 ft. long, 2 in. in diam., 1 in. in ground to solid rock, in a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, for C.C. secs. 12 and 13, with brass cap mkd. T 3 S R 1 E S 12 : C: C: S 13 : 1916 Pits impracticable. Build a mound of stone, 3 ft. base, 2 ft. high W. of cor. Land, rolling and mountainous. Soil, rocky, granite and quartz, 4th rate. Timber, scrub palo verde. Undergrowth, greasewood, ocotillos and cacti.

Subdivision of T.3 S., R.1 E.

Chains	
3.00	N. 0° 3' E. bet. secs. 11 and 12. Over rolling land, through scattering timber and undergrowth.
25.30	Wash, 40 lks. wide, 6 ft. deep, course, SW. Asc. gradual SW. slope, 149 ft. to spur.
31.90	Wash, 30 lks. wide, 3 ft. deep, course, W. Spur slopes S., desc. N. slope, 53 ft. to
37.60	Wash, 50 lks. wide, 6 ft. deep, course, W.
40.00	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 11 ¼ : S 12
1916	
48.50	Pits impracticable. Build a mound of stone, 2 ft. base, 1½ ft. high W. of cor. Asc. S. slope, 218 ft. to Spur slopes W.
55.30	Desc. N. slope, 27 ft. to
61.00	Draw, course, S. 70° W., asc. S. slope, 203 ft. to
74.00	Spur slopes, S. 70° W., desc. NE. slope, 89 ft. to Thence over rolling land.
80.00	Set an iron post 3 ft. long, 2 ins. in diam., on surface rock, in a mound of stone, 4 ft. base, 2½ ft. high for cor. of secs. 1, 2, 11 and 12, with brass cap mkd.
T 3 S R 1 E	
S 2 : S 1	
S 11 : S 12	
1916	
Pits impracticable. Build a mound of stone, 2 ft. base, 1½ ft. high W. of cor. A granite rock, 10, X 12 X 8 ft. brs. N. 6 lks. dist. Land, rolling ridges. Soil, gravelly and stony, 3rd rate. Timber, scattering palo verde and iron wood. Undergrowth, greasewood, ocotillos and giant cacti.	
40.00	West on a random line bet. secs. 2 and 11.
79.92	Set temp. ¼ sec. cor. Intersect N. and S. line, 5 lks. S. of cor. of secs. 2, 3, 10 and 11.
23.20	Thence S. 89° 58' E. on a true line bet. secs. 2 and 11.
39.96	Asc. SW. slope, 106 ft. to ¼ sec. cor. Wash, 40 lks. wide, 5 ft. deep, course, S. 70° W.
73.52	Set a granite stone, 15 X 8 X 4 ins., 10 ins. in the ground for ¼ sec. cor. mkd.
79.92	¼ on N., and build a mound of stone, 3 ft. base, 2 ft. high N. of cor. Note:- no iron post available. Asc. SW. slope, 374 ft. to sec. cor.
79.92	Wash, 50 lks. wide, 6 ft. deep, course, S. 70° W. Cor. of secs. 1, 2, 11 and 12.
Land, SW. slope. Soil, gravelly and stony, 3rd rate. Timber, iron wood and palo verde. Undergrowth, greasewood, ocotillos and giant cacti.	
Mar. 8, 1916, at 8h., a.m., l.m.t., I set off 33° 11' N. on the lat. arc; 4° 49' S. on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 1, 2, 11 and 12.	
Thence East on a true line bet. secs. 1 and 12.	

Chains

undergrowth.
 Desc. steep cliffy SE. slope, 600 ft. to
 19.41 Gulch, 100 lks. wide, 10 ft. deep, course, SW.
 Asc. cliffy NW. slope, 696 ft. to
 39.90 Spur slopes SW., desc. S. slope, 461 ft. to gulch.
 40.32 Set an iron post 3 ft. long, 1 in. in diam., 8 ins. in
 the ground, to solid rock, in a mound of stone, for
 ¼ sec. cor. with brass cap mkd.
 S 2 ¼:S 1

1916

Pits impracticable.
 Build a mound of stone, 2 ft. base, 1½ft. high W. of cor.
 53.56 Gulch, 200 lks. wide, 20 ft. deep, course, SW., asc. NW.
 slope, 204 ft. to
 65.24 Spur slopes, S. 65° W., desc. SW. slope, 215 ft. to
 70.26 Ravine course, SW.,
 Change to SW. slope.
 73.60 Gulch, 150 lks. wide, 40 ft. deep, course, SW.
 78.31 Ravine, course, SW., asc. NW. slope, 31 ft. to
 80.32 Cor. of secs. 1, 2, 11 and 12.
 Land, mountainous.
 Soil, coarse, decomposed granite, rocky, 4th rate.
 Timber, palo verde and iron wood.
 Undergrowth, greasewood and cacti.

GENERAL DESCRIPTION

The main range of the Estrella Mountains, together with its foot hills and spurs, occupies all or parts of sections 1, 2, 3, 11, 12, 13, 24 and 25, with a separate low range through sections 35, 36, 26, 27, 21, 22 and 16.

The west half of the township is nearly level changing to a gradual SW. slope from the main range of the Estrella Mountains.

The mountains are of granite formation in the main, undergoing decomposition and are very rough and rugged.

The soil on the level consists of a loose sandy clay loam along the west boundary changing gradually to a sandy gravelly and stony soil towards the mountains.

The timber consisting of palo verde, iron wood and mesquite grows most abundantly along the washes.

The undergrowth, is greasewood on the level land, changing to ocotillos and cacti towards and upon the mountains.

There are no settlers and no water has been developed.

Subdivision of T.3 S., R.1 E.

DATE DIAGRAM

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

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 for 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 1 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes, and by the diagram on the reverse hereof, as having been executed by us, and under our direction; and we do further certify on honor that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U.S.Surveyor General of Arizona for Group No.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 1 EAST,

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 "G," of Group 58, has been correctly copied from the original notes on file in this office.

U.S.Surveyor General of Arizona.