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Book "F"

4-679

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BOOK 3076

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES

of

TOWNSHIP 4 SOUTH, RANGE 1 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. Surveyor, under instructions dated January 7, 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, January 26, 1915.

Survey commenced January 18, 1916.

Survey completed February 5, 1916.

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BOOK 3076

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Gila and Salt River Meridian (Resurveyed)

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

Subdivision of T.4 S., R.1 W.

(3)

Chains	
	<p>Survey commenced Jan. 19, 1916 and executed with Young and Son's light mountain transits Nos. 8592 and 8521, as described in book "A".</p> <p>We examine the adjustments of the transit and find them correct,</p> <p>A.m., and p.m., observations of the solar on a mer. established by observations on Polaris at camp in sec. 29 T.4 S., R.1 E., heretofore described, prove the solar attachments to determine meridians which fall within 1' of arc of the mer. previously established by observations on Polaris. We therefore conclude that the adjustments of the transits and solar attachments are satisfactory.</p> <p>Jan. 19, 1916, at 8h., a.m., l.m.t., I set off $33^{\circ} 2' N.$ on the lat. arc; $20^{\circ} 28' S.$ on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 1, 2, 35 and 36, heretofore described.</p> <p>Thence</p> <p>N. $0^{\circ} 1' W.$ bet. secs. 35 and 36.</p> <p>Over level land, through scattering timber and undergrowth.</p>
40.00	<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 35 $\frac{1}{4}$:S 36</p>
	1916
	<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>
68.67	Telephone line parallels S.P.R.R. line.
70.34	Main line S.P.R.R., brs. N. $73^{\circ} 12' E.$ and S. $73^{\circ} 12' W.$
70.97	Telegraph line parallels S.P.R.R. line.
72.90	Road, brs. N. $70^{\circ} E.$ and S. $70^{\circ} W.$
80.00	<p>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.</p> <p style="text-align: center;">T 4 S R 1 W <u>S 26:S 25</u> S 35:S 36</p>
	1916
	<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.</p> <p>Soil, loose sandy clay, 1st rate.</p> <p>Timber, scattering mesquite, iron wood and palo verde.</p> <p>Undergrowth, greasewood.</p>
	East on a random line bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.01	Intersect G. & S.R.M. at cor. of secs. 25, 30, 31 and 36.
	Thence
	West on a true line bet, secs. 25 and 36.
	Over level land, through scattering timber and undergrowth.
1.96	Wash, 10 lks. wide, 3 ft. deep, course, N. $15^{\circ} E.$
14.50	Wash, 10 lks. wide, 3 ft. deep, course, NE.
29.85	Wash, 12 lks. wide, 2 ft. deep, course, NE.
40.00 $\frac{1}{2}$	<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 25 <u>$\frac{1}{4}$</u> S 36</p>
	1916
	from which,
	An iron wood, 10 ins. in diam., brs. N. $64\frac{1}{2}^{\circ} E.$
	207 lks. dist. mkd. $\frac{1}{4}$ S.25 B T
	A mesquite, 6 ins. in diam., brs. S. $55\frac{1}{2}^{\circ} E.$
	91 lks. dist. mkd. $\frac{1}{4}$ S 36 B T.
42.63	Telephone line parallels S.P.R.R. line.

4

Subdivision of T.4 S. R.1 W.

Chains	
48.14	Main line S.P.R.R. brs. N. 73° 12' E. and S. 73° 12' W.
50.10	Telegraph line parallels S.P.R.R. line.
56.50	Road, brs. S. 65° W. and N. 70° E.
70.10	Wash, 12 lks. wide, 3 ft. deep, course, N.
80.01	Cor. of secs. 25, 26, 35 and 36. Land, level. Soil, loose sandy clay, 1strate. Timber, mesquite and iron wood. Undergrowth, greasewood.
40.00	N. 0° 1' W. bet. secs. 25 and 26. Over level land, through scattering timber and 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. 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.
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 4 S R 1 W. S 23:S 24 S 26:S 25 1916 from which, A mesquite, 10 ins. in diam., brs. N. 42 $\frac{1}{2}$ ° E 46 lks. dist. mkd. T 4 S R 1 W S 24 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, mesquite. Undergrowth, greasewood.
40.00	East on a random line bet. secs. 24 and 25. Set temp. $\frac{1}{4}$ sec. cor.
80 02	Intersect G.& S.R.M., 6 lks. S. of cor. of secs. 19, 24, 25, and 30 heretofore described. Thence S. 89° 57' W. on a true line bet. secs. 24 and 25. Over level land, through scattering timber and undergrowth.
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 $\frac{1}{4}$ S 25 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.
43.00	Wash, 15 lks. wide, 2 ft. deep, course, N.
80.02	Cor. of secs. 23, 24, 25 and 26. Land, level. Soil, loose sandy clay, 1strate. Timber, mesquite, iron wood and palo verde. Undergrowth, greasewood.

Subdivision of T.4 S., R.1 W.

Chains

N. 0° 1' W. 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.
 S 23 $\frac{1}{4}$: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 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

65.00 Dim road, brs. E. and W.

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 4 S R 1 W
S 14:S 13
 S 23:S 24
 1916

from which,
 A mesquite, 6 ins. in diam., brs. N. 16 $\frac{1}{4}$ ° E.
 273 lks. dist. mkd. T 4 S R 1 W S 13 B T
 A mesquite, 8 ins. in diam., brs. S. 9° W.
 168 lks. dist. mkd. T 4 S R 1 W S 23 B T
 A mesquite, 8 ins. in diam., brs. N. 78 $\frac{1}{2}$ ° W.
 157 lks. dist. mkd. T 4 S R 1 W S 14 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, mesquite.
 Undergrowth, greasewood.

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

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

80.06 Intersect G. & S.R.M., 7 lks. S. of cor. of secs. 13, 18, 19 and 24, heretofore described.

Thence
 S. 89° 57' W. on a true line bet. secs. 13 and 24.
 Over level land, through scattering timber and undergrowth.

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

13.26 Wash, 12 lks. wide, 1 ft. deep, course, NE.

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 13
 $\frac{1}{4}$
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 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.

80.06 Cor. of secs. 13, 14, 23 and 24.
 Land, level.
 Soil, loose sandy clay, 1st rate.
 Timber, scattering mesquite, palo verde, and cat claw.
 Undergrowth, greasewood.

N. 0° 1' W. bet. secs. 13 and 14.
 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 14 $\frac{1}{4}$:S 13
	1916
	from which,
	A mesquite, 4 ins. in diam., brs. N. 17° E. 44 lks. dist. mkd. $\frac{1}{4}$ S 13 B T.
	A mesquite, 6 ins. in diam., brs. N. 16 $\frac{1}{2}$ ° W. 65 lks. dist. mkd. $\frac{1}{4}$ S 14 B T
69.00	Leave level land, and asc. S. slope, 48 ft. to
70.42	Spur slopes SW., desc. NW. slope, 34 ft. to
72.60	Enter level land.
77.60	Leave level land, and asc. S. slope, 49 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. 11, 12, 13 and 14, with brass cap mkd.
	T 4S R 1 W
	<u>S 11:S 12</u>
	<u>S 14:S 13</u>
	1916
	and build a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
	Land, level, and mountainous.
	Soil, loose sandy clay, 1st rate on level land, remainder rocky granite 3rd rate.
	Timber, mesquite and palo verde.
	Undergrowth, greasewood.
<hr/>	
	East on a random line bet. secs. 12 and 13.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect G. & S.R.M. 1 lk. S. of cor. of secs. 7, 12, 13 and 18, heretofore described.
	Thence
	West on a true line bet. secs. 12 and 13.
	Over level land, through scattering timber and under- growth.
6.97	Wash, 12 lks. wide, 2 ft. deep, course, N. 15° E.
25.04	Leave level land, and asc. NE. slope, 175 ft. to
33.50	Spur slopes, N. 30° E.
	Desc. NW. slope, 45 ft. to
40.04	Set an iron post 3 ft. long, 1 in. in diam., 4 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	S 12
	$\frac{1}{4}$
	<u>S 13</u>
	1916
	and build a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.
	Desc. NW. slope, 6 ft. to
40.44	Head of wash, course, N.
	Asc. NE. slope, 67 ft. to
44.31	Rocky point slopes N.
	Desc. NW. slope, 45 ft. to
46.33	Head of wash, course, NW.
	Asc. NE. slope, 23 ft. to
51.32	Spur slopes N. desc. NW. slope, 67 ft. to
55.70	Head of wash, course, N., asc. SE. slope 259 ft. to
63.85	Top of ridge, brs. N. 75° W. and S. 45° E.
	Thence desc. SW. slope, 16 ft. along cliffs, to
70.58	Spur slopes SW., desc. SW. slope, 255 ft. to
80.08	Cor. of secs. 11, 12, 13 and 14.
	Land, level and mountainous.
	Soil, loose sandy clay, 1st rate on level land, remainder granite, rocky, 4th rate.
	Timber, palo verde, iron wood and mesquite.
	Undergrowth, greasewood.

Subdivision of T.4 S., R.1 W.

Chains	
<p>6.99 7.69 16.83 40.00</p>	<p>N. 0° 1' W. bet. secs. 11 and 12. Over hilly land, through scattering timber and undergrowth. Asc. S. slope, 257 ft. to Top of ridge brs. NE. and SW. Spur slopes, NE., desc. N. slope, 314 ft. to Enter level land. 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</p>
<p>80.00</p>	<p>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. 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.</p>
	<p>T 4 S R 1 W S 2 :S 1 S 11:S 12 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 level. Soil, decomposed granite, rocky, 3rd rate, sandy 1st rate. Timber, scattering palo verde and mesquite. Undergrowth, greasewood and cacti. Jan. 25, 1916, at this cor. I set off 19° 7' S. on the decl. arc; and at apparent noon, observe the sun on the mer.; the resulting lat. is 33° 6' N.</p>
<p>40.00 80.04</p>	<p>East on a random line bet. secs. 1 and 12. Set temp. $\frac{1}{4}$ sec. cor. Intersect G. & S.R.M., at cor. of secs. 1, 6, 7 and 12. Thence West on a true line bet. secs. 1 and 12. Over level land, through scattering timber and undergrowth.</p>
<p>40.02</p>	<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. S 1 $\frac{1}{4}$ 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 3$\frac{1}{2}$ ft. base, 1$\frac{1}{2}$ ft. high N. of cor.</p>
<p>80.04</p>	<p>Cor. of secs. 1, 2, 11 and 12. Land, level. Soil, loose sandy clay, 1st rate. Timber, scattering mesquite. Undergrowth, greasewood.</p>
<p>40.00 79.99 39.99</p>	<p>N. 0° 1' W. on a random line bet. secs. 1 and 2. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. bdy. of tp. 5 lks. W. of cor. of secs. 1, 2, 35 and 36, as described in book "A". Thence S. 0° 1' W. on a true line bet. secs. 1 and 2. Over level land, through greasewood 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. S 2$\frac{1}{4}$:S 1 1916 dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft.</p>

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Subdivision of T.4 S. R.1 W.

Chains	
79.99	<p>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. 1, 2, 11 and 12. Land, level. Soil, loose sandy clay, 1st rate. No timber. Undergrowth, greasewood.</p>
12.40 40.00	<p>Jan. 18, 1916, at 9h., a.m., l.m.t., I set off $33^{\circ} 2' N.$ on the lat. arc; $20^{\circ} 41' S.$ on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 2, 3, 34 and 35, as described in book "A". Thence N. $0^{\circ} 1' W.$ bet. secs. 34 and 35. Over level land, through scattering timber and undergrowth. Wash, 12 lks. wide, 1 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. $S 34 \frac{1}{4} : S 35$</p>
44.55 46.20 46.84 48.85 80.00	<p>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. Telephone line, parallels S.P.R.R. line. Main line S.P.R.R., brs. N. $73^{\circ} 12' E.$ and S. $73^{\circ} 12' W.$ Telegraph line parallels S.P.R.R. line. Road, brs. N. $70^{\circ} E.$ and S. $70^{\circ} E.$ 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.</p>
40.00 80.00	<p style="text-align: center;">T 4 S R 1 W $S 27 : S 26$ $S 34 : S 35$</p> <p>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 and iron wood. Undergrowth, greasewood.</p>
40.00	<p>East on a random line bet. secs. 26 and 35. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 3 lks. S. of cor. of secs. 25, 26, 35 and 36, Thence S. $89^{\circ} 59' W.$ on a true line bet. secs. 26 and 35. Over level land, through scattering timber and 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. $S 26$ $\frac{1}{4}$ $S 35$</p>
80.00	<p>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. Cor. of secs. 26, 27, 34 and 35. Land, level. Soil, loose sandy clay, 1st rate. Timber, scattering mesquite and iron wood. Undergrowth, greasewood.</p>

Subdivision of T.4 S., R.1 W.

Chains

N. 0° 1' W. bet. secs. 26 and 27.
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 27:¼:S 26
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. 22, 23, 26 and 27, with brass cap mkd.

T 4 S R 1 W
S 22:S 23
S 27:S 26
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, scattering mesquite and iron wood.
Undergrowth, greasewood.
Jan. 19, 1916, at this cor. I set off 20° 28' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 3' N.

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

40.00 Set temp. ¼ sec. cor.

80.01 Intersect N. and S. line, at cor. of secs. 23, 24, 25 and 26.

Thence

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

Over level land, through scattering timber and undergrowth.

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 23
¼
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 3½ ft. base, 1½ ft. high N. of cor.

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

Land, level.
Soil, loose sandy clay, 1st rate.
Timber, scattering mesquite.
Undergrowth, greasewood.

N. 0° 1' W. bet. secs. 22 and 23.
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 22 ¼: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 3½ ft. base, 1½ ft. high W. of cor.

60.45 Dim road, brs. E. and W.

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.

Chains

T 4 S R 1 W
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 4 ft. base, 2 ft. high W. of cor.
Land, level.
Soil, loose sandy clay, 1st rate.
Timber, scattering mesquite.
Undergrowth, greasewood.

40.00
80.02

East on a random line bet. secs. 14 and 23.
Set temp. 1/4 sec. cor.
Intersect N. and S. line, at cor. of secs. 13, 14, 23 and 24.
Thence
West on a true line bet. secs. 14 and 23.
Over level land, through scattering timber and undergrowth.

40.01

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.

80.02

Cor. of secs. 14, 15, 22, and 23.
Land, level.
Soil, loose sandy clay, 1st rate.
Timber, scattering mesquite.
Undergrowth, greasewood, 4 to 10 ft. high.
Jan. 21, 1916, at this cor. I set off 20° 3' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 4' N.

Jan. 25, 1916, at 9h., a.m., l.m.t., I set off 33° 4' N. on the lat. arc; 19° 9' S. on the decl. arc; and determine a mer. with the solar at the cor. of secs. 14, 15, 22 and 23.

40.00

Thence
N. 0° 1' W. bet. secs. 14 and 15.
Over level land, through scattering timber and undergrowth.
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 15 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 1/2 ft base, 1 1/2 ft. high W. of cor.

80.00

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

T 4 S R 1 W
S 10:S 11
S 15:S 14
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.

Subdivision of T.4 S., R.1 W.

Chains	
	<p>Land, level. Soil, loose sandy clay, 1st rate. Timber, scattering mesquite. Undergrowth, greasewood., 4 to 10 ft. high.</p>
40.00	East on a random line bet. secs. 11 and 14.
80.03	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line at cor. of secs. 11, 12, 13 and 14. Thence West on a true line bet. secs. 11 and 14. Over mountainous land, through scattering timber and undergrowth.
3.30	Along S. slope, to
7.15	Spur slopes S., desc. SW. slope, 42 ft. to Wash, 10 lks. wide, 2 ft. deep, course, SW. Asc. SE. slope, 36 ft. to
11.23	Rocky point slopes S., desc. SW. slope, 66 ft. to
16.70	Enter level land.
28.90	Wash, 20 lks. wide, 3 ft. deep, course, N. 15° W.
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.
	$\begin{array}{r} S\ 11 \\ \frac{1}{4} \\ \hline S\ 14 \\ 1916 \end{array}$
	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.
80.03	Cor. of secs. 10, 11, 14 and 15. Land, mountainous and level. Soil, decomposed granite, rocky 3rd. rate, in mountains, loose sandy clay, 1strate. on level land. Timber, mesquite and palo verde. Undergrowth, greasewood and cacti.
	N. 0° 1' W. bet. secs. 10 and 11. 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.
	$\begin{array}{r} S\ 10\ \frac{1}{4}:S\ 11 \\ 1916 \end{array}$
	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. 2, 3, 10 and 11, with brass cap mkd.
	$\begin{array}{r} T\ 4\ S\ R\ 1\ W. \\ \hline S\ 3 : S\ 2 \\ \hline S\ 10 : S\ 11 \\ 1916 \end{array}$
	from which, An iron wood, 30 ins. in diam., brs. S. 43° W. 166 lks. dist. mkd. T 4 S R 1 W S 10 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. Timber, scattering palo verde and iron wood. Undergrowth, greasewood 4 to 5 ft. high.

Chains

40.00 East on a random line bet. secs. 2 and 11.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.12 Intersect N. and S. line, at cor. of secs. 1, 2, 11 and 12.
 Thence
 West on a true line bet. secs. 2 and 11.
 Over level land, through scattering timber and undergrowth.
 36.25 Leave level land., asc. NE. slope, 63 ft. to
 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.

$$\begin{array}{c} S\ 2 \\ \frac{1}{4} \\ \hline S\ 11 \\ 1916 \end{array}$$
 and build a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 Asc. NE. slope, 297 ft. to
 52.20 Ridge brs. NW. and SE., desc. SW. slope, 329 ft. to
 64.36 Enter level land.
 76.21 Wash, 45 lks. wide, 6 ft. deep, course, N. 20° W.
 80.12 Cor. of secs. 2, 3, 10 and 11.
 Land, level and mountainous and level.
 Boil, loose sandy clay, 1st rate, on level land, remainder coarse, decomposed granite, rocky, 3rd rate.
 Timber, palo verde, mesquite, iron wood and cat claw.
 Undergrowth, greasewood and cacti.

40.00 North on a random line bet. secs. 2 and 3.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect N. bdy. of tp. 2 lks. E. of 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.
 40.02 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.

$$\begin{array}{c} S\ 3\ \frac{1}{4}:S\ 2 \\ 1916 \end{array}$$
 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.
 72.00 West end of hill brs. E. 50 lks. dist.
 75.00 Wash, 40 lks. wide, 3 ft. deep, course, N. 10° W.
 76.50 Wash, 20 lks. wide, 3 ft. deep, course, N. 10° E.
 80.02 Cor. of secs. 2, 3, 10 and 11.
 Land, level.
 Soil, sandy loam, 1strate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood.

N. 0° 2' W. bet. secs. 33 and 34.
 Over level land, through scattering timber and undergrowth.
 6.85 Wash, 25 lks. wide, 3 ft. deep, course, N. 45° W.
 13.47 Telephone line parallels S.P.R.R. line.
 15.32 Main line S.P.R.R., brs. N. 58° 16' E. and S. 58° 16' W.
 16.05 Telegraph line parallels S.P.R.R. line.
 19.20 Road brs. N. 75° E. and 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.

$$\begin{array}{c} S\ 33\ \frac{1}{4}:S\ 34 \\ 1916 \end{array}$$
 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.

Chains

80.00

high W. of cor.
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 4 S R 1 W

S 28:S 27

S 33:S 34

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 sandy clay, 1st rate.

Timber, mesquite, iron wood and palo verde.

Undergrowth, greasewood.

40.00

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

Set temp. 1/4 sec. cor.

80.04

Intersect N. and S. line, 2 lks. N. of cor. of secs. 26, 27, 34 and 35.

Thence

N. 89° 59' W. on a true line bet. secs. 27 and 34.

Over level land, through scattering timber and undergrowth.

33.14

Wash, 12 lks. wide, 1 ft. deep, course, N.

40.02

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 27

1/4

S 34

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.

78.34

Wash, 13 lks. wide, 2 ft. deep, course, N. 45° W.

80.04

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

Land, level.

Soil, loose sandy clay, 1strate.

Timber, scattering mesquite, palo verde and iron wood.

Undergrowth, greasewood.

N. 0° 2' W. bet. secs. 27 and 28.

Over level land, through scattering timber and undergrowth.

2.00

Wash, 13 lks. wide, 2 ft. deep, course, NW.

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 28 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 1/2 ft. base, 1 1/2 ft. high W. of cor.

80.00

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

T 4 S R 1 W

S 21:S 22

S 28:S 27

1916

from which,

A mesquite, 6 ins. in diam., brs. S. 30° W.

47 lks dist. mkd. T 4 S R 1 E S 28 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.

14

Subdivision of T.4 S. R.1 W.

Chains	
	<p>Land, level. Soil, loose sandy clay, 1st rate. Timber, scattering mesquite and palo verde. Undergrowth, greasewood, 4 to 8 ft. high.</p>
40.00 80.01	<p>East on a random line bet. secs. 22 and 27. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line at cor. of secs. 22, 23, 26 and 27. Thence West on a true line bet. secs. 22 and 27 Over level land, through scattering timber and undergrowth.</p>
40.00 $\frac{1}{2}$	<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. 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.</p>
80.01	<p>Cor. of secs. 21, 22, 27 and 28. Land, level. Soil, loose, sandy clay, 1st rate. Timber, scattering mesquite. Undergrowth, greasewood.</p>
40.00	<p>N. $0^{\circ} 2'$ W. bet. secs. 21 and 22. Over level land, through scattering timber and 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. 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.</p>
55.50 67.20 80.00	<p>Dim road, brs. E. and W. Wash, 140 lks. wide, 6 ft. deep, course, N. 45° E. 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 4 S R 1 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 clay, 1st rate. Timber, palo verde, mesquite and cat claw. Undergrowth, greasewood.</p>
40.00 80.00	<p>East on a random line bet. secs. 15 and 22. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, 5 lks. N. of cor. of secs. 14, 15, 22 and 23. Thence N. $89^{\circ} 58'$ W. on a true line bet. secs. 15 and 22. Over level land, through scattering timber and undergrowth.</p>
40.00	<p>Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in</p>

Subdivision of T.4 S., R.1 W.

Chains

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.

72.00
80.00

Wash, 140 lks. wide, 5 ft. deep, course, N. 45° E.
 Cor. of secs. 15, 16, 21 and 22.
 Land, level.
 Soil, loose sandy clay, lstrate.
 Timber, scattering mesquite, palo verde and cat claw.
 Undergrowth, greasewood.

Jan. 25, 1916, at 8h. 30m., a.m.l.m.t., I set off 33° 4' N.
 on the lat. arc; 19° 9' S. on the decl. arc; and deter-
 mine a mer. with the solar, at the cor. of secs.
 15, 16, 21 and 22.

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

29.00
34.50
40.00

Enter wash, 80 lks. wide, 3 ft. deep, course, NE.
 Leave wash, 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 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.

42.00
80.00

East end of mountain range brs. W. 6 chs. dist.
 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 4 S R 1 W
 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, sandy loam, lstrate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood.

40.00
80.00

East on a random line bet. secs. 10 and 15.
 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line, 4 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.

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 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.

62.34

Wash, 70 lks. wide, 3 ft. deep, course, N.

16

Subdivision of T.4 S., R.1 W.

Chains 80.00	<p>Cor. of secs. 9, 10, 15 and 16. Land, level. Soil, loose sandy loam, 1st rate. Timber, scattering palo verde and iron wood. Undergrowth, greasewood.</p>
40.00	<p>N. 0° 2' W. bet. secs. 9 and 10. Over level land, through scattering timber and 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. S 9 $\frac{1}{4}$:S 10</p>
80.00	<p>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. 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 4 S R.1 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, level. Soil, sandy loam, 1st rate. Timber, scattering palo verde and iron wood. Undergrowth, greasewood. Jan. 25, 1916, at this cor. I set off 19° 7' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 7' N.</p>
40.00 80.04	<p>East on a random line bet. secs. 3 and 10. Set temp. $\frac{1}{4}$ sed. cor. Intersect N. and S. line, 2 lks. S. of cor. of secs. 2, 3, 10 and 11.</p>
.84 40.02	<p>Thence S. 89° 59' W. on a true line bet. secs. 3 and 10. Over level land, through scattering timber and undergrowth. Wash, 20 lks. wide, 3 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 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.</p>
68.44 72.34 76.74 80.04	<p>Wash, 60 lks. wide, 3 ft. deep, course, N. 20° W. Wash, 120 lks. wide, 3 ft. deep, course, N. 10° W. Wash, 40 lks. wide, 3 ft. deep, course, N. Cor. of secs. 3, 4, 9 and 10. Land, level. Soil, sandy loam, 1st rate. Timber, scattering palo verde and iron wood. Undergrowth, greasewood.</p>

Subdivision of T.4 S., R.1 W.

Chains

North on a random line bet. secs. 3 and 4.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect N. bdy. of tp. 6 lks. W. of cor. of secs. 3, 4,
 33 and 34, as described in book "A".
 Thence
 S. $0^{\circ} 3'$ W. on a true line bet. secs. 3 and 4.
 Over level land, through scattering timber and under-
 growth.
 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

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.

56.85 Enter wash, 240 lks. wide, 3 ft. deep, course, NW.
 64.55 Leave wash, course, NW.
 80.06 Cor. of secs. 3, 4, 9 and 10.
 Land, level.
 Soil, sandy loam, 1strate.
 Timber, scattering palo verde and iron wood.
 Undergrowth, greasewood.

Jan. 21, 1916, at 9h., a.m., 1 m.t., I set off $33^{\circ} 2'$ N. on
 the lat. arc; $20^{\circ} 4'$ S. on the decl. arc; and deter-
 mine a mer. with the solar, at the cor. of secs.
 4, 5, 32 and 33, as described in book "A".
 Thence
 N. $0^{\circ} 2'$ W. bet. secs. 32 and 33.
 Over level land, through scattering timber and under-
 growth.

1.90 Wash, 15 lks. wide, 2 ft. deep, course, NE.
 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 $32 \frac{1}{4}$:S 33

1916

from which,
 A palo verde, 12 ins. in diam., brs, N. $36\frac{1}{2}^{\circ}$ W.
 26 lks. dist. mkd. $\frac{1}{4}$ S 32 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.

62.10 Wash, 20 lks. wide, 3 ft deep, course, NE.
 67.45 Wash, 40 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. 28, 29, 32 and 33, with
 brass cap mkd.

T 4 S R 1 W
S 29:S 28
 S 32:S 33

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 and cat claw.
 Undergrowth, greasewood.

Chains

40.00 East on a random line bet. secs. 28 and 33.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect N. and S. line, 4 lks. S. of cor. of secs. 27,
 28, 33 and 34.
 Thence
 S. $89^{\circ} 58' W.$ on a true line bet. secs. 28 and 33.
 Over level land, through scattering timber and under-
 growth.

10.10 Wash, 12 lks. wide, 2 ft. deep, course, NW.
 29.80 Wash, 15 lks. wide, 1 ft. deep, course, N. $15^{\circ} W.$
 35.75 Wash, 30 lks. wide, 3 ft. deep, course, N.
 38.15 Wash, 20 lks. wide, 3 ft. deep, course, N.
 39.99 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

from which,
 A palo verde, 14 ins. in diam., brs. N. $52^{\circ} E.$
 229 lks. dist. mkd. $\frac{1}{4}$ S 28 B T
 A palo verde, 18 ins. in diam., brs. S. $49^{\circ} E.$
 392 lks. dist. mkd. $\frac{1}{4}$ S 33 B T
 65.00 Wash, 12 lks. wide, 3 ft. deep, course, NE.
 69.00 Wash, 40 lks. wide, 3 ft. deep, course, NE.
 79.98 Cor. of secs. 28, 29, 32 and 33.
 Land, level.
 Soil, loose sandy clay, 1st rate.
 Timber, scattering palo verde, mesquite and cat claw.
 Undergrowth, greasewood, 4 to 10 ft. high.

N. $0^{\circ} 2' W.$ bet. secs. 28 and 29.
 Over level land, through scattering timber and under-
 growth.

31.50 Wash, 30 lks. wide, 2 ft. deep, course, N. $30^{\circ} E.$
 36.45 Wash, 80 lks. wide, 5 ft. deep, course, N. $45^{\circ} E.$
 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 29: $\frac{1}{4}$:S 28
 1916

from which,
 A palo verde, 22 ins. in diam., brs. S. $27\frac{1}{2}^{\circ} E.$
 213 lks. dist. mkd. $\frac{1}{4}$ S 28 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.

70.20 Wash, 18 lks. wide, 2 ft. deep, course, NE.
 73.25 Wash, 18 lks. wide, 2 ft. deep, course, E.
 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 4 S R 1 W
 S 20:S 21
 S 29:S 28
 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 and cat claw.
 Undergrowth, greasewood.

Subdivision of T.4 S., R.1 W.

Chains	
40.00 80.00	East on a random line bet. secs. 21 and 28. Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line, at cor. of secs. 21, 22, 27 and 28.
28.15 40.00	Thence West on a true line bet. secs. 21 and 28. Over level land, through scattering timber and undergrowth.
	Wash, 60 lks. wide, 4 ft. deep, course, N. 20° 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.
44.80 45.40 47.85 56.20 80.00	$\begin{array}{r} S. 21 \\ \frac{1}{4} \\ \hline S. 28 \\ 1916 \end{array}$ 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.
	Mouth of wash, 40 lks. wide, 4 ft. deep, course, N. 30° E. Wash, 45 lks. wide, 6 ft. deep, course, N. 30° E. Wash, 40 lks. wide, 6 ft. deep, course, N. 30° E. Wash, 40 lks. wide, 6 ft. deep, course, S. 45° E. Cor. of secs. 20, 21, 28 and 29. Land, level. Soil, loose sandy clay, 1strate. Timber, scattering palo verde, mesquite and cat claw. Undergrowth, greasewood.
	Jan. 22, 1916, at this cor. I set off 19° 49' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 3' N.
5.30 40.00	N. 0° 2' W. bet. secs. 20 and 21. Over level land, through scattering timber and undergrowth.
	Wash, 35 lks. wide, 6 ft. deep, course, 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.
50.00 64.00 71.00 73.50 75.95 80.00	$\begin{array}{r} S 20 \frac{1}{4}:S 21 \\ 1916 \end{array}$ 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.
	Dim road, brs. E. and W. Wash, 20 lks. wide, 1 ft. deep, course, E. Wash, 15 lks. wide, 2 ft. deep, course, N. 60° E. Wash, 13 lks. wide, 2 ft. deep, course, N. 60° E. Wash, 30 lks. wide, 2 ft. deep, course, N. 75° E. 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.
	$\begin{array}{r} T 4 S R 1 W \\ \hline S 17:S 16 \\ S 20:S 21 \\ 1916 \end{array}$
	from which, A mesquite, 6 ins. in diam., brs. N. $5\frac{1}{2}$ ° E. 318 lks. dist. mkd. T 4 S R 1 W S 16 B T A palo verde, 6 ins. in diam., brs. S. 34° E. 158 lks. dist. mkd. T 4 S R 1 W S 21 B T. A palo verde, 8 ins. in diam., brs. S. 30° W. 163 lks. dist. mkd. T 4 S R 1 W S 20 B T. A mesquite, 8 ins. in diam., brs. N. 51° W. 207 lks. dist. mkd. T 4 S R 1 W S 17 B T. Land, level. Soil, loose sandy clay, 1st rate. Timber, palo verde and mesquite. Undergrowth, greasewood.

20

Subdivision of T.4 S. R.1 W.

Chains	
	East on a random line bet. secs. 16 and 21.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line at cor. of secs. 15, 16, 21 and 22.
	Thence
	West on a true line bet. secs. 16 and 21.
	Over level land, through scattering timber and undergrowth.
39.00	Enter wash, 30 lks. wide, 3 ft. deep, course, N. 60° E.
40.00	True point for $\frac{1}{4}$ sec. cor. falls in wash, course E. therefore at
38.20	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 16
	$\frac{1}{4}$
	S 21 WC
	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.
47.20	Same wash, course, SE. to E., leave wash.
65.25	Same wash, course, N. 60° E.
80.00	Cor. of secs. 16, 17, 20 and 21.
	Land, level.
	Soil, loose sandy clay, 1st rate.
	Timber, scattering palo verde, mesquite, cat claw and iron wood.
	Undergrowth, greasewood.
	N. 0° 2' W. bet. secs. 16 and 17.
	Over level land, through scattering timber and undergrowth.
10.00	Wash, 20 lks. wide, 1 ft. deep, course, 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 17 $\frac{1}{4}$:S 16
	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.
	Jan. 26, 1916, at 9h., a.m., l.m.t., I set off 33° 4' N. on the lat. arc; 18° 54' S. on the decl. arc; and determine a mer. with the solar.
50.00	Leave level land, and asc. S. slope, 248 ft. to
66.09	Ridge, brs. N. 75° E. and W., desc. NW. slope, 382 ft. to
80.00	Set an iron post 2 ins. in diam., ^{3 ft. long} on surface rock, in a mound of stone, for cor. of secs. 8, 9, 16 and 17, with brass cap mkd.
	T 4 S R 1 W
	S 8 :S 9
	S 17:S 16
	1916
	and build a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor;
	Land, level and mountainous.
	Soil, loose sandy clay, 1st rate on level, remainder decomposed granite, rocky, 3rd rate.
	Timber, scattering palo verde, mesquite, cat claw, and iron wood.
	Undergrowth, greasewood and cacti.
	East on a random line bet. secs. 9 and 16.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line at cor. of secs. 9, 10, 15 and 16.

Subdivision of T.4 S..R.1 W.

Chains

Thence
 West on a true line bet. secs. 9 and 16.
 Over level land, through scattering timber and undergrowth.
 19.00 Wash, 15 lks. wide, 2 ft. deep, course, N. 20° W.
 29.90 Leave level land, and asc. gradual N. slope.
 39.99 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
 and build a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high
 N. of cor.
 Thence along N. slope.
 47.03 Wash, 20 lks. wide, 4 ft. deep, course, N., asc. NE. slope 158 ft.
 50.50 Wash, 25 lks. wide, 15 ft. deep, course, N. 30° E.
 57.31 Top of spur slopes N. 15° W., desc. NW. slope 179 ft. to
 63.00 Enter level land, along N. slope.
 79.98 Cor. of secs. 8, 9, 16 and 17.
 Land, level and mountainous.
 Soil, loose, sandy clay and decomposed granite 1st & 3rd rates.
 Timber, scattering palo verde, mesquite and iron wood.
 Undergrowth, greasewood and cacti.

N. 0° 2' W. bet. secs. 8 and 9.
 Over mountainous land, through timber and undergrowth.
 Desc. N. slope, 29 ft. to
 4.98 Enter level land.
 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 8 $\frac{1}{4}$: S 9
 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.
 77.50 Wash, 12 lks. wide, 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. 4, 5, 8 and 9, with
 brass cap mkd. T 4 S R 1 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.
 Land, level and mountainous.
 Soil, decomposed granite and sandy clay, 4th and 1st rates.
 Timber scattering palo verde and mesquite.
 Undergrowth, greasewood and cacti.

East on a random line bet. secs. 4 and 9.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line 5 lks. N. of cor. of secs. 3, 4
 9 and 10.
 Thence
 N. 89° 58' W. on a true line bet, secs. 4 and 9.
 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 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.
 73.10 Wash, 20 lks. wide, 3 ft. deep, course, N. 20° W.
 78.00 Wash, 15 lks. wide, 2 ft. deep, course, NE.
 80.00 Cor. of secs. 4, 5, 8 and 9.
 Land, level.
 Soil, loose, sandy clay, 1st rate.
 Timber, mesquite, palo verde and iron wood.

22

Subdivision of T.4 S., R.1 W.

Chains	Undergrowth, greasewood.
40.00	N. 0° 2' W. bet. secs. 4 and 5.
80.01	Set temp. $\frac{1}{4}$ sec. cor. Intersect N. bdy. of tp. 14 lks. W. of cor. of secs. 4, 5, 32 and 33, as described in book "A". Thence S. 0° 4' W. on a true line bet. secs. 4 and 5. Over level land, through scattering timber and undergrowth.
31.80	Wash, 25 lks. wide, 2 ft. deep, course, NE.
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 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.
80.01	Cor. of secs. 4, 5, 8 and 9. Land, level. --- Soil, loose, sandy clay, 1st rate. Timber, scattering mesquite and palo verde. Undergrowth, greasewood.
<p>Jan. 22, 1916, at 9h., a.m., l.m.t., I set off 33° 2' N. on the lat. arc; 19° 50' 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>	
1.80	Wash, 20 lks. wide, 2 ft. deep, course, N. 60° E.
14.45	Wash, 30 lks. wide, 3 ft. deep, course, N. 60° 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.
40.20	Wash, 7 lks. wide, 3 ft. deep, course, N. 70° E.
77.05	Wash, 18 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. 29, 30, 31 and 32, with brass cap mkd. T 4 S R 1 W S 30:S 29 S 31:S 32 1916 from which, A mesquite, 5 ins. in diam., brs. N. 65° E. 195 lks. dist. mkd. T 4 S R 1 W S 29 B T. An iron wood, 22 ins. in diam., brs. S. 89° E. 301 lks. dist. mkd. T 4 S R 1 W S 32 B T. An iron wood, 18 ins. in diam., brs. S. 47 $\frac{1}{2}$ ° W. 123 lks. dist. mkd. T 4 S R 1 W S 31 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, mesquite, palo verde, iron wood and cat. claw. Undergrowth, greasewood.
40.00	East on a random line bet. secs. 29 and 32. Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, at cor. of secs. 28, 29, 32 and 33. Thence West on a true line bet. secs. 29 and 32. Over level land, through scattering timber and undergrowth.

Subdivision of T.4 S., R.1 W.

Chains	
10.30	Wash, 15 lks. wide, 1 ft. deep, course, N. 30° E.
21.50	Wash, 12 lks. wide, 1 ft. deep, course, NE.
32.55	Wash, 25 lks. wide, 5 ft. deep, course, N. 15° E.
36.05	Wash, 30 lks. wide, 3 ft. deep, course, N. 30° E.
39.05	Wash, 10 lks. wide, 3 ft. deep, course, NE.
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
	$\frac{1}{4}$
	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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
75.65	Wash, 25 lks. wide, 3 ft. deep, course, N. 60° E.
80.00	Cor. of secs. 29, 30, 31 and 32.
	Land, level.
	Soil, loose sandy, clay, 1st rate.
	Timber, scattering mesquite, palo verde, cat claw and iron wood.
	Undergrowth, greasewood.
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	West on a random line bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.49	Intersect W. bdy. of tp. at cor. of secs. 25, 30, 31 and 36, as described in book "A".
	Thence
	East on a true line bet. secs. 30 and 31.
	Over level land, through scattering timber and undergrowth.
39.49	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.
59.04	Wash, 25 lks. wide, 2 ft. deep, course, N. 60° E.
79.49	Cor. of secs. 29, 30, 31 and 32.
	Land, level.
	Soil, loose sandy clay, 1st rate.
	Timber, scattering mesquite, palo verde, iron wood and cat claw.
	Undergrowth, greasewood.
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	N. 0° 3' W. bet. secs. 29 and 30.
	Over level land, through scattering timber and undergrowth.
7.20	Wash, 20 lks. wide, 3 ft. deep, course, E.
9.30	Wash, 15 lks. wide, 3 ft. deep, course, S. 60° E.
38.40	Wash, 15 lks. wide, 2 ft. deep, course, NE.
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
	from which,
	A mesquite 20 ins. in diam., brs. S. 3° E.
	160 lks. dist. mkd. $\frac{1}{4}$ S 29 B T.
	A palo verde, 14 ins. in diam., brs. N. 35° W.
	271 lks. dist. mkd. $\frac{1}{4}$ S 30 B T.
42.65	Wash, 20 lks. wide, 2 ft. deep, course, N. 60° E.
46.75	Wash, 50 lks. wide, 2 ft. deep, course, N. 75° E.

<p>Chains 76.65 80.00</p>	<p>Wash, 25 lks. wide, 3 ft. deep, course, N. 75° E. 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.</p> <p style="text-align: center;"> T 4 S R 1 W <u>S 19: S 20</u> S 30: S 29 1916 </p> <p>from which, A palo verde, 8 ins. in diam., brs. S. 56½° E. 184 lks. dist. mkd. T 4 S R 1 W S 29 B T. A mesquite, 14 ins. in diam., brs. S. 20° W. 65 lks. dist. mkd. T 4 S R 1 W S 30 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 sandy clay, 1st rate. Timber, scattering palo verde, mesquite and iron wood. Undergrowth, greasewood.</p>
<p>40.00 80.06</p>	<p>East on a random line bet. secs. 20 and 29. Set temp. ¼ sec. cor. Intersect N. and S. line, 3 lks. N. of cor. of secs, 20, 21, 28 and 29. Thence N. 89° 59' W. on a true line bet. secs. 20 and 29. Over level land, through scattering timber and undergrowth.</p>
<p>11.10 17.30 32.26 40.03</p>	<p>Wash, 25 lks. wide, 4 ft. deep, course, N. 45° E. Wash, 20 lks. wide, 3 ft deep, course, N. 45° E. Wash, 30 lks. wide, 6 ft. deep, course, NE. 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 20 <u>¼</u> S 29 1916 </p> <p>from which, A mesquite, 20 ins. in diam., brs. S. 25¼° E. 187 lks. dist. mkd. ¼ S 29 B T. No other trees within limits. 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>
<p>43.05 46.05 53.45 78.05 80.06</p>	<p>Same wash, course, S. 75° E. Same wash, course, N. 60° E. Same wash, course, S. 75° E. Wash, 20 lks. wide, 3 ft. deep, course, S. 80° E. Cor. of secs. 19, 20, 29 and 30. Land, level. Soil, loose sandy clay, 1st rate. Timber, scattering mesquite, palo verde, iron wood and cat claw. Undergrowth, greasewood. Jan. 24, 1916, at this cor. I set off 19° 22' S. on the decl. arc; and at apparent noon observe the sun on the mer.; the resulting lat. is 33° 3' N.</p>
<p>40.00</p>	<p>Jan. 24, 1916, at 9h., a.m., l.m.t., I set off 33° 3' N. on the lat. arc; 19° 23' 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. Set temp. ¼ sec. cor.</p>

Subdivision of T.4 S., R.1 W.

Chains

79.45 Intersect W. bdy. of tp. 1 lk. S. of cor. of secs. 19, 24, 25 and 30.

Thence

East on a true line bet. secs. 19 and 30.

Over level land, through scattering timber and undergrowth.

.30 Wash, 25 lks. wide, 2 ft. deep, course, N. 60° E.

1.80 Same wash, course, E.

12.50 Same wash, course, S. 70° E.

39.45 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 19

1/4
S 30

1916

from which,

An iron wood, 10 ins. in diam., brs. S. 27° W.

232 lks. dist. mkd. 1/4 S 30 B T.

No other trees within limits.

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.

56.60 Same wash, course, NE.

79.45 Cor. of secs. 19, 20, 29 abd 30.

Land, level.

Soil, loose sandy clay, lstrate.

Timber, scattering mesquite, palo verde, iron wood and cat claw.

Undergrowth, greasewood.

Feb. 2, 1916, at 9h., a.m., l.m.t., I set off 33° 3' N. on the lat. arc; 17° 2' S. on the decl. arc; and determine a mer. with the solar, at the cor. of secs. 19, 20, 29 and 30.

Thence

N. 0° 3' W. bet. secs. 19 and 20.

Over level land, through scattering timber and undergrowth.

1.10 Wash, 20 lks. wide, 4 ft. deep, course, S. 60° E.

10.95 Wash, 20 lks. wide, 5 ft. deep, course, N. 80° E.

28.90 Dim road, brs. E. and 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 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.

44.00 Wash, 25 lks. wide, 2 ft. deep, course, NE.

58.35 Wash, 12 lks. wide, 2 ft. deep, course, S. 60° E.

79.85 Wash, 20 lks. wide, 1 ft. deep, course, SE.

80.00 True point for cor. of secs. 17, 18, 19 and 20, falls in wash, therefore at

81.30 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for W.C. of secs. 17, 18, 19 and 20, with brass cap mkd.

T 4 S R 1 W

S 18 : S 17

S 19 : S 20

WC

1916

from which,

A mesquite, 12 ins. in diam., brs. N. 82 1/2° E.

63 lks. dist. mkd. T 4 S R 1 W S 17 W C B T.

26

Subdivision of T. 4 S. R. 1 W.

Chains

	<p>A palo verde, 6 ins. in diam., brs S. $10\frac{3}{4}^{\circ}$ E. 149 lks. dist. mkd. T 4 S R 1 W S 20 W C B T. A palo verde, 8 ins. in diam., brs. S. 81° W. 211 lks. dist. mkd. T 4 S R 1 W S 19 W C B T. No other trees within limits. Dig pits 18 X 18 X 12 ins. NE SE SW & NW $5\frac{1}{2}$ 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 and mesquite. Undergrowth, greasewood.</p>
40.00	East on a random line bet. secs. 17 and 20. Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line, 5 lks. S. of cor. of secs. of 16, 17, 20 and 21. Thence S. $89^{\circ} 58'$ W. on a true line bet. secs. 17 and 20. Over level land, through scattering timber and undergrowth.
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 17 $\frac{1}{4}$ S 20 1916 from which, A mesquite, 7 ins. in diam., brs. S. $37\frac{1}{2}^{\circ}$ E. 115 lks. dist. mkd. $\frac{1}{4}$ S 20 B T. No other trees within limits. 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.
80.06	Cor. of secs. 17, 18, 19 and 20. Land level. Soil, loose sandy clay, 1st rate. Timber, scattering palo verde and mesquite. Undergrowth, greasewood.
40.00	West on a random line bet. secs. 18 and 19. Set temp. $\frac{1}{4}$ sec. cor.
79.36	Intersect W. bdy. of tp. 1 lk. S. of cor. of secs. 13, 18, 19 and 24, as described in book "A". Jan. 26, 1916, at 9h., a.m., 1 m.t., I set off $33^{\circ} 4'$ N. on the lat. arc; $18^{\circ} 8'$ S. on the decl. arc; and deter- mine a mer. with the solar, at the cor. of secs. 13, 18, 19 and 24, Thence East on a true line bet. secs. 18 and 19. Over level land, through scattering timber and under- growth.
15.00	Wash, 12 lks. wide, 2 ft. deep, course, SE.
26.20	Wash, 10 lks. wide, 3 ft. deep, course, S.
39.36	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.
43.75	Wash, 30 lks. wide, 2 ft. deep, course, S. 30° E.
78.80	Wash, 20 lks. wide, 1 ft. deep, course, SE.
79.36	Cor. of secs. 17, 18, 19 and 20.

Subdivision of T.4 S.,R.1 W.

Chains

N. 0° 3' W. bet. secs. 17 and 18, from true point for cor. Over level land, through scattering timber and undergrowth. Witness cor. hereinbefore described.

1.30
35.00
40.00

Leave level land, and asc. S. slope, 17 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 18 $\frac{1}{4}$:S 17

1916

Pits impracticable.

Build a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor. Asc. S. slope, 292 ft.

44.38
52.60
59.50
62.33

Wash, 25 lks. wide, 4 ft. deep, course, SW. Top of spur slopes, SW., asc. SW. slope, 222 ft. Head of wash, course, SW., change to S. slope. Ridge brs. E. and W., desc. N. slope, through draw, 541 ft. to

80.00

Set an iron post 3 ft. long, 2 ins. in diam., 10 ins. in the ground to solid rock, in a mound of stone, for cor. of secs. 7, 8, 17 and 18, with brass cap mkd.

T 4 S R 1 W.

S 7 :S 8

S 18:S 17

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 sandy clay, 2nd rate on level, remainder loose, coarse, decomposed granite, rocky, 3rd rate. Timber, scattering palo verde and mesquite. Undergrowth, greasewood.

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

40.00
80.12

Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line 15 lks. N. of cor. of secs. 8, 9, 16 and 17. Thence N. 89° 54' W. on a true line bet. secs. 8 and 17. Over mountainous land, through scattering timber and undergrowth. Asc. NE. slope, 303 ft. to

40.06

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 8

$\frac{1}{4}$

S 17

1916

Pits impracticable.

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

43.32
80.12

Spur slopes, N. 15° W., desc. NW. slope, 172 ft. to Cor. of secs. 7, 8, 17 and 18. Land, mountainous. Soil, loose decomposed granite, rocky, 3rd rate. Timber, scattering palo verde. Undergrowth, greasewood and cacti.

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

40.00
79.20

Set temp. $\frac{1}{4}$ sec. cor. Intersect W. bdy. of tp. 5 lks. N. of cor. of secs. 7, 12, 13 and 18. Thence N. 89° 58' E. on a true line bet. secs. 7 and 18. Over mountainous land, strewn with large granite boulders, through scattering timber and undergrowth.

.17

Rocky point slopes SW., asc. SW. slope, 23 ft. to

Chains	
2.14	Spur slopes SW. desc. SE. slope, 162 ft. to
17.45	Head of wash, course, SW., asc. SW. slope, 82 ft. to
20.32	Spur slopes S., desc. SE. slope, 67 ft. to
39.20	True point for $\frac{1}{4}$ sec. cor. falls among large boulders; impracticable to set $\frac{1}{4}$ sec. cor. at this point.
44.00	Ridge hrs. N. 70° W. and S. 45° E., desc. NE. slope, 616 ft.
49.00	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 7 WC $\frac{1}{4}$ S 18 1916 and build a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.
79.20	Cor. of secs. 7, 8, 17 and 18. Land, mountainous. Soil, granite, rocky, 3rd rate. Timber, scattering palo verde. Undergrowth, greasewood and cacti.
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	N. 0° 3' W. bet. secs. 7 and 8. Over mountainous land, through scattering timber and undergrowth.
20.23	Desc. N. slope, 155 ft. to Wash, 25 lks. wide, 8 ft. deep, course, NE. Thence over level land.
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 4 S R 1 W 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. Land, mountainous and level. Soil, loose, coarse, decomposed granite, rocky, 3rd rate, in mountains, remainder loose sandy clay, 1st rate. Timber, scattering palo verde, iron wood and mesquite. Undergrowth, greasewood and cacti.
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40.00	East on a random line bet. secs. 5 and 8. Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line, 13 lks. N. of cor. of secs. 4, 5, 8 and 9. Thence N. 89° 54' W. on a true line bet. secs. 5 and 8. Over level land, through scattering timber and undergrowth.
16.10	Wash, 10 lks. wide, 1 ft. deep, course, NE.
25.10	Wash, 15 lks. wide, 1 ft. deep, course, NE.
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 5 $\frac{1}{4}$ S 8 1916

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.
 47.45 Wash, 15 lks. wide, 1 ft. deep, course, NE.
 55.50 Wash, 10 lks. wide, 1 ft. deep, course, NE.
 80.10 Cor. of secs. 5, 6, 7 and 8.
 Land, level.
 Soil, loose sandy clay, 1st rate.
 Timber, scattering iron wood, palo verde and mesquite.
 Undergrowth, greasewood.

Feb. 1, 1916, at 9h., a.m., l.m.t., I set off 33° 6' N. on the lat. arc; 17° 19' S. on the decl. arc; and determine a mer. with the solar. at the cor. of secs. 5, 6, 7 and 8.

Thence
 West on a random line bet. secs. 6 and 7.
 40.00 Set temp. ¼ sec. cor.
 79.13 Intersect W. bdy of tp. 2 lks. N. of cor. of secs. 1, 6, 7 and 12 as described in book "A".

Thence
 N. 89° 59' E. on a true line bet. secs. 6 and 7.
 Over level land, through scattering timber and undergrowth.

38.80 Wash, 15 lks. wide, 1 ft. deep, course, NE.
 39.13 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 6
 ¼
 S 7
 1916

from which,
 An iron wood, 14 ins. in diam., brs. N. 28½° W. 72 lks. dist. mkd. ¼ S 6 B T.
 An iron wood, 18 ins. in diam., brs. S. 37° W. 29 lks. dist. mkd. ¼ S 7 B T.

79.13 Cor., of secs. 5, 6, 7 and 8.
 Soil, loose sandy clay, 1st rate.-- Land, level.
 Timber, scattering iron wood, mesquite and palo verde.
 Undergrowth, greasewood.

N. 0° 3' W. on a random line bet. secs. 5 and 6.
 40.00 Set temp. ¼ sec. cor.
 80.00 Intersect N. bdy. of tp. 16 lks. W. of cor. of secs. 5, 6, 31 and 32, as described in book "A".

Thence
 S. 0° 4' W. on a true line bet. secs. 5 and 6.
 Over level land, through scattering timber and undergrowth.

7.25 Wash, 12 lks. wide, 1 ft. deep, course, E.
 24.60 Wash, 15 lks. wide, 2 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 6 ¼ : S 5
 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.

72.00 Wash, 20 lks. wide, 1 ft. deep, course, NE.
 80.00 Cor. of secs. 5, 6, 7 and 8.
 Land, level.
 Soil, loose sandy clay, 1st rate.
 Timber, scattering iron wood and mesquite.
 Undergrowth, greasewood.

GENERAL DESCRIPTION

This township contains level and gently sloping plains, and rough rugged mountains, rising abruptly from them.

The soil of the plains is a deep yellow, sandy clay,, producing an abundant growth, of vegetation with sufficient rain fall.

The soil of the mountains consists of a loose, coarse, decomposed granite with granite boulders.

There is a detached mountain range extending diagonally NW. and SE., through secs. 2, 11, 12 and 13. A mountain range extends through the north half of secs. 16, 17 and 18, and the south end of secs. 7, 8 and 9. The remaining land is suitable for agriculture with irrigation.

Palo verde, mesquite, iron wood and cat claw, are found along the washes. Scattering clumps of mesquite and iron wood are found away from the washes, throughout the township.

There is no water in the township.

The main line of the Southern Pacific Ry. runs through secs. 25, 36, 35, 34 and 33. The railroad Co. has constructed dykes and ditches to divert the flow of flood waters from the many washes to a few main washes which are bridged. A telegraph and telephone line parallel the railroad track on each side.

There are no settlers in the township.

EGOR 8076

DATE DIAGRAM

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

FOOT 3076

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 4 SOUTH, RANGE 1 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 4 SOUTH, RANGE 1 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 P. Smith

U. S. Surveyor General of Arizona.

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

U. S. Surveyor General.