

BOOK "V"

BOOK 2672

MAR 11 1914

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines of Tp. 16 S. Rg. 27 E. and resurvey of the South
and East Boundaries of Tp. 16 S. Rg. 27 E.

Of the Gila and Salt River ~~Base and~~ Meridian,

In the State of Arizona.

EXECUTED BY

John F. Hesse

In the capacity of U. S. Surveyor, under instructions dated ~~April 23rd~~, 1913,
issued by the United States Surveyor General to govern surveys included in
Group No. 18, which were approved by the Commissioner of the General Land
Office, ~~May 7th~~, 1913, pursuant to authority contained in the Act of
Congress dated June 23rd, 1913

and resurvey
Survey, commenced July 20, 1913

and resurvey
Survey, completed August 5, 1913

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Resurvey of the South boundary of Tp. 16 S. Rg. 27 E.

Chains. July 20¹⁹¹³ At 7h. 00m. a.m., l.m.t., I set off $31^{\circ} 59'$ N. on the lat. arc; $20^{\circ} 44\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 16 and 17 S. Rgs. 26 and 27 E., reestab. by me April 9, 1913 as described in Book "J", thence I run East, bet. secs. 6 and 31, on random line Making diligent search at proper distances for cors. but without success, until at

200.38 Fall 35 lks. S. of old $\frac{1}{4}$ sec. cor. bet. secs. 4 & 33, which is a stake marked as described by the surveyor general, with a trace of pits. No mound. True course of line from Tp. cor. is therefore $N. 89^{\circ} 54' E.$, 200.38 chs. Thence from $\frac{1}{4}$ sec. cor. I run, on random line, East, bet. secs. 4 and 33, on $E\frac{1}{2}$ mile

39.46 Fall 126 lks. N. of old cor. of secs. 3, 4, 33 and 34, which is a granite stone 14 x 9 x 8 ins. above ground, marked and witnessed as described by the surveyor general, Therefore True course & dist. of this $\frac{1}{2}$ mile is $S. 88^{\circ} 10' E.$, 39.48 chs.

39.72 East, bet. secs. 3 and 34, on random line Fall 15 lks. N. of $\frac{1}{4}$ sec. cor., which is a granite stone 9 x 7 x 6 ins. above ground, marked and witnessed as described by the surveyor general. True course and dist. of this $\frac{1}{2}$ mile is therefore $S. 89^{\circ} 47' E.$, 39.72 chs. Thence from $\frac{1}{4}$ sec. cor. I run, East, on random line bet. secs. 3 & 34 on $E\frac{1}{2}$ mile.

39.90 Fall on old cor. of secs. 2, 3, 34 and 35, which is a granite stone 12 x 10 x 7 ins. above ground, marked and witnessed as described by the surveyor general. Therefore true course and dist. of this $\frac{1}{2}$ mile is East, 39.90 chs.

39.85 East, bet. secs. 2 and 35, on random line, Fall 2 lks. N. of $\frac{1}{4}$ sec. cor. a granite stone 8 x 6 x 4 ins above ground, marked and witnessed as described by the surveyor general. True course & dist. of this $\frac{1}{2}$ mile is therefore $S. 89^{\circ} 58' E.$, 39.85 chs. Thence from $\frac{1}{4}$ sec. cor., I run, East,

40.02 Fall 7 lks. N. of old cor. of secs. 1, 2, 35 and 36, a trace of pits and remains of mound of earth. True course and dist. of this $\frac{1}{2}$ mile is therefore $S. 89^{\circ} 54' E.$, 40.02 chs.

40.02 East, bet. secs. 1 and 36, on random line Fall 28 lks. N. of $\frac{1}{4}$ sec. cor. a stake marked as described by the surveyor general, lying on remains of a mound of earth and traces of pits. True course & dist. of this $\frac{1}{2}$ mile is therefore $S. 89^{\circ} 36' E.$, 40.02 chs. Thence from $\frac{1}{4}$ sec. cor., I run East, on random line bet. secs. 1 and 36 on $E\frac{1}{2}$ mile.

40.00 Fall 14 lks. S. of old cor. of Tps. 16 and 17 S. Rgs. 27 and 28 E. the remains of old post and traces of pits. True course & dist. of this $\frac{1}{2}$ mile is therefore $N. 89^{\circ} 48' E.$, 40.00 chs
July 20, 1913.

July 22¹⁹¹³ At 7h. 00m. a.m., l.m.t., I set off $31^{\circ} 59'$ N. on the lat. arc; $20^{\circ} 21\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 16 and 17 S. Rgs. 26 and 27 E., reestab. by me April 9, 1913 as described in Book "J"

Thence I run, on a true line, on S. bdy. of Tp. 16 S. Rg. 27 E., reestablishing $\frac{1}{4}$ sec. and sec. cors. for secs. in Tp. 16 S. Rg. 27 E., and establishing sec. cors. and $\frac{1}{4}$ sec. cors. at proportional distances on line, where such cors. are lost, and reestablishing old cors. in their original positions, where found, for secs. in Tp. 17 S. Rg. 27 E.

$N. 89^{\circ} 54' E.$, on S. bdy. of sec. 31, T. 16 S., R. 27 E.

Over level land.

38.86 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. sec. 6, marked on brass cap $\frac{1}{4}$ in N. and S 6 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., sec. 31, marked on brass cap $\frac{1}{4}$ in 31 in N. half and 1913 in S. half; dig pits 18 x 18 x 12

Resurvey of the south boundary of Tp. 16 S. Rg. 27 E.

chains.

- E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
- 79.24 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for ^{REESTAB.} cor. of secs. 5 and 6 ^{T.16S.R.27E.} marked on brass cap
 T16SS31S32 in N.
 T17S1913 in S. and
 R27E in W. half;
 S5 in S. E. and
 S6 in S. W. quadrant: dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, S. of cor.
- 80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for ^{REESTAB.} cor. of secs. 31 and 32 ^{T.16S.R.27E.} marked on brass cap
 T16S in N.
 T17SS5S61913 in S. and
 R27E in W. half;
 S31 in N. W. and
 S32 in N. E. quadrant; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, N. of cor.
 Land, level.
 Soil, rich sandy loam, fine texture, dry; 1st. rate.
 No timber.

N. 89° 54' E., on S. bdy. of sec. 32, T.16S.R.27E.
 Over level land.

- 39.62 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ^{REESTAB.} $\frac{1}{4}$ sec. cor. sec. 5 ^{T.16S.R.27E.} marked on brass cap $\frac{1}{4}$ in N. and S5 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ^{REESTAB.} $\frac{1}{4}$ sec. cor. sec. 32 ^{T.16S.R.27E.} marked on brass cap $\frac{1}{4}$ S32 in N. and 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
- 80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for ^{REESTAB.} cor. of secs. 4, 5, 32 and 33, marked on brass cap
 T16S in N.
 T17S 1913 in S. and
 R27E in W. half;
 S32 in N. W.
 S33 in N. E.
 S4 in S. E. and
 S5 in S. W. quadrant: dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 Land, level.
 Soil, rich sandy loam, fine texture; dry; 1st. rate.
 No timber.

N. 89° 54' E., on S. bdy. of sec. 33, T.16S.R.27E.

- 19.30 Over nearly level land, through scattering mesquite.
 Cross wash, 10 lks. wide, course S.
- 35.30 Cross wash, 10 lks. wide, course S.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ^{REESTAB.} $\frac{1}{4}$ sec. cor. sec. 33 ^{T.16S.R.27E.} marked on brass cap $\frac{1}{4}$ S33 in N. and 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
- 40.38 The old $\frac{1}{4}$ sec. cor. ~~between secs. 4 and 33~~ ^{has been} described, I destroy old cor. and reestablish $\frac{1}{4}$ sec. cor. of sec. 4 ^{T.16S.R.27E.} in same place as follows:
 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. sec. 4 ^{T.16S.R.27E.} marked on brass cap $\frac{1}{4}$ in N. and S4 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.

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Resurvey of the south boundary of Tp. 16 S. Rg. 27 E.

Chains.	<p>Thence I run, from reestab. $\frac{1}{4}$ sec. cor. of sec. 4, T.17S., R.27E. S. 88° 10' E., on S. bdy. of sec. 33, T.16S., R.27E. continuing measurement</p> <p>Cross wash, 8 lks. wide, course S. W. leave brush.</p> <p>Ascend over N. slope of low hill.</p> <p>Top of ridge, bears N. E. and S. W. descend along S. E. slope.</p> <p>The $\frac{1}{4}$ sec. cor. of secs. 3, 4, 33 and 34, hereinbefore described, I destroy old mound of stone and dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth and stone 4 ft. base 2 ft. high, S. of cor.</p> <p>Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for ^{REESTAB.} cor. of secs. 33 and 34 ^{T.16S., R.27E.} marked on brass cap T16S in N.</p> <p>T17SS3S41913 in S. and R27E in W. half; S33 in N. W. and S34 in N. E. quadrant: dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist, and raise a mound of earth 4 ft. base 2 ft. high, N. of cor.</p> <p>Land, level and mountainous.</p> <p>Soil, W. 58.00 chs. sandy loam, fine texture, dry, 1st. rate. E. 22. 00 chs. rocky; 4th. rate.</p>
52.50	
58.00	
63.30	
79.86	<p>Thence I run S. 89° 47' E., continuing measurement on true line</p> <p>Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ^{REESTAB.} $\frac{1}{4}$ sec. cor. sec. 34 ^{T.16S., R.27E.} marked on brass cap $\frac{1}{4}$S34 in N. and 1913 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.</p>
80.00	<p>NOTE: At this cor. I set off 20° 18' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 31° 59' N.</p>
14.00	<p>S. 89° 47' E., On S. bdy. of sec. 34, T.16S.-R.27E. Descend.</p>
36.20	<p>Ascend along S. W. slope.</p>
39.58	<p>Ridge bears N. and S. descend.</p>
40.00	<p>The $\frac{1}{4}$ sec. cor. bet. secs. 3 & 34, hereinbefore described, which I leave in place for $\frac{1}{4}$ sec. cor. of sec. 3, T.17S., R.27E. Thence I run, East, continuing measurement</p>
63.50	<p>Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ^{REESTAB.} $\frac{1}{4}$ sec. cor. sec. 34 ^{T.16S., R.27E.} marked on brass cap $\frac{1}{4}$S34 in N. and 1913 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.</p>
79.48	<p>Cross wash, 12 lks. wide, course S.W. ascend.</p> <p>The old cor. of secs. 2, 3, 34 & 35, hereinbefore described, which I stand to cor. of secs. 2 & 35, I destroy old mound of stone and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high S. of cor. Pits impracticable.</p>
80.00	<p>Thence S. 89° 58' E., continuing measurement</p> <p>Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for ^{REESTAB.} cor. of secs. 34 and 35 ^{T.16S., R.27E.} marked on brass cap T16S in N.</p> <p>T17SS2S31913 in S. and R27E in W. half; S34 in N. W. and S35 in N. E. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.</p> <p>Land, mountainous.</p> <p>Soil, rocky; 4th. rate.</p> <p>No timber.</p>
22.00	<p>S. 89 58' E., on S. bdy. of sec. 35, T.16S.-R.27E. Ascend.</p>
39.33	<p>Top of S. edge of peak, descend.</p> <p>The old $\frac{1}{4}$ sec. cor. bet. secs. 2 and 35, hereinbefore described, which I leave in place for $\frac{1}{4}$ sec. cor. of sec. 2, T.17S., R.27E. Thence I run, continuing measurement, S. 89° 54' E.</p>
40.00	<p>Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ^{REESTAB.} $\frac{1}{4}$ sec. cor. sec. 35 ^{T.16S., R.27E.} marked on brass cap $\frac{1}{4}$S35 in N. and 1913 ins S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.</p>
60.00	<p>Thence over level land.</p>
79.35	<p>Cross road bears N. and S.</p> <p>Set an iron post</p> <p>The remains of the old cor. of secs. 1, 2, 35 and 36, hereinbefore described, which I destroy and reestablish the cor. of secs. 1 and 2, T.17S., R.27E.,</p>

Resurvey of the south boundary of Tp. 16 S. Rg. 27 E.

Chains.

in the same place as follows:

Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 1 and 2^{T17S, R27E} marked on brass cap T16SS35S36 in N.

T17S1913 in S. and R27E in W. half;

S1 in S. E. and

S2 in S. W. quadrant; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, S. of cor.

Thence S. 89° 36' E., continuing measurement

80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 35 and 36^{T16S, R27E} marked on brass cap T16S in N.

T17SS1S21913 in S. and

R27E in W. half;

S35 in N. W. and

S36 in N. E. quadrant; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, N. of cor.

Land, mountainous and level.

Soil, W. half mile rocky; 4th. rate. E. half mile sandy loam, dry, medium texture; 1st. rate.

No timber.

S. 89° 36' E. on S. bdy. of sec. 36, T. 16 S., R. 27 E.

Over level land.

39.37 The remains of the ^{old} $\frac{1}{4}$ sec. cor. of secs. 1 and 36, ~~herein before described~~. I destroy the old $\frac{1}{4}$ sec. cor., and reestablish $\frac{1}{4}$ sec. cor. of sec. 1 ^{T17S, R27E} in the same place as follows:

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. sec. 1^{T17S, R27E} marked on brass cap $\frac{1}{4}$ in N. and S1 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high, N. of cor.

Thence N. 89° 48' E., continuing measurement

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ^{REESTAB.} $\frac{1}{4}$ sec. cor. sec. 36^{T16S, R27E} marked on brass cap $\frac{1}{4}$ S36 in N. and 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high, N. of cor.

79.37 The remains of the old cor. of Tps. 16 and 17 S. Rgs. 27 and 28 E. ^{herein before described} I destroy the old ^{TP.} cor. and reestablish it in its original position as follows:

Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of Tps. 16 and 17 S. Rgs. 27 and 28 E., marked on brass cap

T16S in N.

R28E in E.

T17S 1913 in S. and R27E in W. half;

S36 in N. W.

S31 in N. E.

S6 in S. E. and

S1 in S. W. quadrant; dig pits 24 x 24 x 12 ins. on N. E. and W. of post 4 ft. and S. of post 8 ft. dist., and raise a mound of earth 5 ft. base 2 $\frac{1}{2}$ ft. high, S. of cor.

Land, level.

Soil, sandy loam, dry, medium texture; 1st. rate.

No timber.

July 22, 1913.

Resurvey of the east boundary of Tp. 16 S. Rg. 27 E.

Chains.

- July 21¹⁹¹³ At 7h. 00m. a.m., l.m.t., I set off $31^{\circ} 59'$ N. on the lat. arc; $20^{\circ} 33'$ N. on the decl. arc; and determine a meridian with the solar at the ^{old} cor. of Tps. 16 and 17 S. Rgs. 27 and 28 E., ~~hereinbefore~~ described.
- Thence I run
North, on a random line, bet. secs. 31 and 36 on N $\frac{1}{2}$ mile.
- 40.03 Fall ~~on old~~ $\frac{1}{4}$ sec. cor. which is a stake marked as described by the surveyor general lying on the remains of a mound of earth. Therefore true course & dist. of this $\frac{1}{2}$ mile is North, 40.03 chs.
- 40.14 Thence North, on random line bet. secs. 31 & 36 on N $\frac{1}{2}$ mile. Fall 17 lks. W. of old cor. of secs. 25, 30, 31 and 36, traces of pits and remains of a mound of earth. Therefore true course & dist. of this $\frac{1}{2}$ mile is N. $0^{\circ} 15'$ E., 40.14 chs.
- 40.00 North, bet. secs. 25 and 30, on random line Make diligent search but am unable to find any trace of old $\frac{1}{4}$ sec. cor.
- 80.15 Fall 19 lks. W. of ^{old} cor. of secs. 19, 24, 25 and 30, a marked stone in the remains of a mound of earth. Therefore true course & dist. of this mile is N. $0^{\circ} 08'$ E., 80.15 chs.
- 40.07 North, bet. secs. 19 and 24, on random line Fall 7 lks. W. of ^{old} $\frac{1}{4}$ sec. cor., a mound and stake marked and witnessed as described by the surveyor general. Therefore true course and dist. of this $\frac{1}{2}$ mile is N. $0^{\circ} 06'$ E., 40.07 chs.
- 40.09 Thence North on random line bet. secs. 19 and 24 on N $\frac{1}{2}$ mile. Fall 6 lks. W. of ^{old} cor. of secs. 13, 18, 19 and 24, a stake and mound, marked and witnessed as described by the surveyor general. Therefore, true course & dist. of this $\frac{1}{2}$ mile is N. $0^{\circ} 05'$ E., 40.09 chs.
- 39.96 North, bet. secs. 13 and 18, on random line Fall 26 lks. W. of ^{old} $\frac{1}{4}$ sec. cor. a granite stone 10 x 6 x 6 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. Therefore true course and dist. of this $\frac{1}{2}$ mile is N. $0^{\circ} 22'$ E., 39.96 chs.
- 40.00 Thence North on random line bet. secs. 13 and 18 on N $\frac{1}{2}$ mile. Make diligent search but am unable to find any trace of old cor. of secs. 7, 12, 13 and 18, therefore I continue measurement on random line
- 80.02 North, bet. secs. 7 and 12
Fall 33 lks. W. of ^{old} $\frac{1}{4}$ sec. cor. a stake with marks nearly obliterated and trace of mound of earth. Therefore true course and dist. of this mile from $\frac{1}{4}$ sec. cor. bet. secs. 13 and 18 is N. $0^{\circ} 14'$ E., 80.02 chs.
- 40.05 Thence North on random line bet. secs. 7 and 12 on N $\frac{1}{2}$ mile. Fall 8 lks. W. of cor. of secs. 1, 6, 7 and 12, a stake with marks nearly obliterated and trace of a mound of earth. Therefore true course & dist. of this $\frac{1}{2}$ mile is N. $0^{\circ} 07'$ E., 40.05 chs.
- 40.10 North, bet. secs. 1 and 6, on random line Fall 6 lks. W. of ^{old} $\frac{1}{4}$ sec. cor. a stake with marks nearly obliterated and trace of a mound of earth. Therefore true course and dist. of this $\frac{1}{2}$ mile is N. $0^{\circ} 05'$ E., 40.10 chs.
- 40.08 Thence North on random line bet. secs. 1 and 6 on N $\frac{1}{2}$ mile. Fall 6 lks. W. of closing cor. of Tps. 16 S. Rgs. 27 and 28 E. a stake with marks nearly obliterated and traces of pits and a mound of earth. Therefore true course and dist. of this $\frac{1}{2}$ mile is N. $0^{\circ} 05'$ E., 40.08 chs.

July 21, 1913.

July 23¹⁹¹³ At 7h. 00m. a.m., l.m.t., I set off $31^{\circ} 59'$ N. on the lat. arc; $20^{\circ} 09\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 16 and 17 S. Rgs. 27 and 28 E., ~~re-established by me yesterday as hereinbefore~~ described.

Thence I run
on a true line on E. bdy. of Tp. 16 S. Rg. 27 E., reestablishing $\frac{1}{4}$ sec. and sec. cors. for secs. in Tp. 16 S. Rgs. 27 E., and ^{re}establishing sec. cors. and $\frac{1}{4}$ sec. cors. at proportional distances on line, where old cors. are lost, and reestablishing old cors. in their original positions, where found, for secs. in Tp. 16 S. Rg. 28 E.

BOOK 2672

Resurvey of the east boundary of Tp. 16 S. Rg. 27 E.

- Chains.
- North bet. secs. 31 and 36.
Over level land.
- 40.03 The old $\frac{1}{4}$ sec. cor. bet. secs. 31 & 36 herein before described. I destroy all traces of this old cor. and re-establish $\frac{1}{4}$ sec. cor. of sec. 31, T.16S., R.27E. in same place as follows:
Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. sec. 31 marked on brass cap $\frac{1}{4}$ in W. S31 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
Thence I run N. $0^{\circ} 15'$ E., continuing measurement.
- 41.51 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., sec. 36 marked on brass cap $\frac{1}{4}$ S 36 in W. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post, 3 ft. dist., and raise a mound of earth 3 ft. base $1\frac{1}{2}$ ft. high, W. of cor.
- 80.17 The old cor. of secs. 25, 30, 31 and 36, herein before described. I destroy all traces of the old cor. and reestablish cor. of secs. 30 and 31, T.16S., R.27E. in same place as follows:
Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 30 and 31 marked on brass cap T16S in N.
1913 in S. and
S25 S36 R27E in W. half;
S30 in N. E. and
S31 R28E in S. E. quadrant: dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, E. of cor.
Thence I run N. $0^{\circ} 08'$ E., continuing measurement.
- 81.51 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 25 and 36 marked on brass cap T16S in N.
1913 in S. and
S30 S31 R28E in E. half;
S25 in N. W. and
S36 R27E in S. W. quadrant; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
Land, level.
Soil, snady loam, dry, medium texture; 1st. rate.
No timber.
-
- No. 0108' E. on E. bdy. sec. 25, T.16S., R.27E.
- 38.735 Set and iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. sec. 30 marked on brass cap $\frac{1}{4}$ in W. and S30 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. sec. 25 marked on brass cap $\frac{1}{4}$ S25 in W. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
- 78.00 Cross wash 18 in. wide course W.
- 78.81 The old cor. of secs. 19, 24, 25 and 30, herein before described. I destroy all traces of the old cor. and reestablish cor. of secs. 19 & 30, T.16S., R.27E. in the same place as follows:
Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 19 and 30 marked on brass cap T16S in N.
1913 in S. and
S24 S25 R27E in W. half;
S19 in N. E. and
S30 R28E in S. E. quadrant: and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, E. of cor. Pits impracticable.
Thence I run N. $0^{\circ} 08'$ E., continuing measurement.
- 80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 24 and 25 marked on brass cap T16S in N.
1913 in S. and
S19 S30 R28E in E. half;

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Chains.

S24 in N. W. and
S25 R27E in S. W. quadrant; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
Land, level.
Soil, sandy loam, dry, medium texture; 1st. rate.
No timber.

N. 0° 06' E., on E. bdy. of sec. 24, T.16S., R.27E.
Over level land.

37.00 Enter dense brush.

38.88 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ^{REESTAB.} 1/4 sec. cor. sec. 19 ^{T.16S. R.27E.} marked on brass cap 1/4 in W. S19 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor. ^(I destroy all evidence of old 1/4 sec. cor. of secs. 19 & 24 at this point.)

Thence I run N. 0° 05' E., continuing measurement

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ^{REESTAB.} 1/4 sec. cor., sec. 24 ^{T.16S. R.27E.} marked on brass cap 1/4 S 24 in W. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor.

78.97 Leave brush. The ^{old} cor. of secs. 13, 18, 19 and 24, previously described. I destroy all traces of the old cor. and reestablish ^{REESTAB.} cor. of secs. 13 & 19, T.16S. R.28E. in the same place as follows:

Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 18 and 19 ^{T.16S. R.28E.} marked on brass cap T16S in N.

1913 in S. and
S13 S24 R27E in W. half;
S18 in N. E. and

S19 R28E in E. half; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, E. of cor.

Thence I run

N. 0° 22' E., continuing measurement

80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for ^{REESTAB.} cor. of secs. 13 and 24 ^{T.16S. R.27E.} marked on brass cap T16S in N.

1913 in S. and
S18 S19 R28E in E. half;
S13 in N. W. and

S24 R27E in S. W. quadrant; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor..

Land, level.

Soil, sandy loam, dry, medium texture; 1st. rate.

No timber.

Undergrowth, mesquite.

NOTE: At this cor. I set off 20° 06' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 32° 02' N.

N. 0° 22' E., on E. bdy. of sec. 13, T.16S., R.27E.
Over level land.

38.93 The old 1/4 sec. cor. bet. secs. 13 & 18, here in before. 18, previously described, I destroy all traces of old cor. and reestablish ^{REESTAB.} 1/4 sec. cor. of sec. 18, T.16S. R.28E. in the same place as follows:

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor. sec. 18 ^{T.16S. R.28E.} marked on brass cap 1/4 in W. S18 in E. and 1913 in S. half; and raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor. Pits impracticable.

Thence I run N. 0° 14' E., continuing measurement

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ^{REESTAB.} 1/4 sec. cor., sec. 13 ^{T.16S. R.27E.} marked on brass cap 1/4 S13 in W. and 1913 in S. half; and raise a mound of stone 2

Resurvey of the east boundary of Tp. 16 S. Rg. 27 E.

- Chains.
- ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
- .64.30 Cross road bears N. W. and S. E..
- 78.94 Set a granite stone 20 x 10 x 8 ins. 15 ins. in the ground for ^{REESTAB.} cor. of secs. 7 and 12, ^{T.16S. R.27E.} marked with 4 notches on S. and 2 notches on N. edges; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, E. of cor.
- 80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for ^{REESTAB.} cor. of secs. 12 and 13, ^{T.16S. R.27E.} marked on brass cap T16S in N.
1913 in S. and
S7 S18 R28E in E. half;
S12 in N. W. and
S13 R27E in S. W. quadrant; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
Land, level.
Soil, sandy loam, dry, medium texture; 1st. rate.
No timber.
-
- N. 0° 14' E. on E. bdy. of sec. 12, T.16S. R.27E.
Over level land.
- 38.95 The old $\frac{1}{4}$ sec. cor. of secs. 7 & 12, herebefore described. I destroy all traces of the old cor. and reestablish $\frac{1}{4}$ sec. cor. of sec. 7, T.16S. R.28E in the same place as follows:
Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., sec. 7, ^{T.16S. R.28E.} marked on brass cap $\frac{1}{4}$ in W. S7 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
Thence I run N. 0° 07' E., continuing measurement
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ^{REESTAB.} $\frac{1}{4}$ sec. cor., sec. 12, ^{T.16S. R.27E.} marked on brass cap $\frac{1}{4}$ S 12 in W. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
- 79.00 The old cor. of secs. 1, 6, 7 and 12, herebefore described. I destroy all traces of the old cor. and reestablish cor. of secs. 6 & 7, T.16S. R.28E in the same place as follows:
Set a granite stone 20 x 10 x 8 ins. 15 ins. in the ground for cor. of secs. 6 and 7, ^{T.16S. R.28E.} marked with 5 notches on S. and 1 notch on N. edges; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, E. of cor.
Thence I run N. 0° 05' E., continuing measurement
- 80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for ^{REESTAB.} cor. of secs. 1 and 12, ^{T.16S. R.27E.} marked on brass cap T16S in N.
1913 in S. and
S6 S7 R28E in E. half;
S1 in N. W. and
S12 R27E in S. W. quadrant; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
Land, level.
Soil, sandy loam, dry, medium texture; 1st. rate.
No timber.
-
- N. 0° 05' E., on E. bdy. sec. 1, T.16S. R.27E.
Over level land.
- 39.10 The old $\frac{1}{4}$ sec. cor. herebefore described. I destroy all traces of the old cor. and reestablish $\frac{1}{4}$ sec. cor. of sec. 6, T.16S. R.28E in the same place as follows:
Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., sec. 6, ^{T.16S. R.28E.} marked on brass cap $\frac{1}{4}$ in W. S6 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of

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earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
 Thence I run N. $0^{\circ} 05'$ E., continuing measurement
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the
 ground for ^{REESTAB.} $\frac{1}{4}$ sec. cor., sec. 1^{T16S R. 27E.} marked on brass cap $\frac{1}{4}$ S1
 in W. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N.
 and S. of post 3 ft. dist., and raise a mound of earth
 $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
 63.30 Cross road bears N. W. and S. E.
 79.18 The ^{old} closing cor. of Tps. 16 S. Rgs. 27 and 28 E., ~~hereinbefore~~
 described. I destroy all traces of the old closing
 cor. and reestablish it in its original position as
 follows;
 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the
 ground for closing cor. of Tps. 16 S, Rgs. 27 and 28 E.
 marked on brass cap
 CC S. of center;
 T15S R27E S36 R28E S31 in N. and
 T16S 1913 in S. half;
 S6 R28E in S. E. and
 S1 R27E in S. W. quadrant; dig pits 30 x 24 x 12 ins.
 crosswise on each line, E. and W. 4 ft. and S. of post
 8 ft. dist.; and raise a mound of earth 5 ft. base $2\frac{1}{2}$ ft.
 high S. of cor.
 From this cor. the $\frac{1}{4}$ sec. cor. on the S. bdy. of sec. 36,
 T15 S. R. 27 E. bears N. $89^{\circ} 58'$ W., 6.95 chs. dist. and
 the cor. of Tps. 15 S. Rgs. 27 and 28 E. bears S. $89^{\circ} 58'$
 E. 33.16 chs. dist.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st. rate.
 No timber.

July 23, 1913.

BOOK 2672

Subdivision of Tp. 16 S. Rg. 27 E.

Chains.

Survey commenced July 23, 1913 and executed with a W. and L. E. Gurley transit, not numbered, with solar attachment. The horizontal limb is provided with one double vernier, reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs.

The instrument was approved by the Supervising Surveyor August 12, 1912.

I examine the adjustments of the transit and find them correct, then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m., and p.m. hours with a meridian determined by observations on Polaris, I proceed as follows:

At my camp which is located at the cor. of Tps. 16 and 17 S. Rgs. 26 and 27 E., latitude $31^{\circ} 59'$ N.; longitude $109^{\circ} 38' 04''$ W.: I set off $31^{\circ} 59'$ N. on the lat. arc; $20^{\circ} 04\frac{1}{2}'$ N. on the decl. arc; and, at 5h. 00m., p.m., 1. m.t., determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground 5 chs. N. of my station.

At 1h. 27m. p.m., by my watch which has correct l.m.t. I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground 5 chs. N. of my station.

July 23, 1913.

1913
July 24: At 6h. 30m. a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ} 23'$ to the west, and mark a point in the meridian thus determined by cutting a small groove in the stone set July 23, on which the meridian coincides with the mark determined by the solar.

At 7h. 00m. a.m., l.m.t., I set off $31^{\circ} 59'$ N. on the lat. arc; $19^{\circ} 57\frac{1}{2}'$ N. on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark coincides with the meridian determined by the Polaris observation.

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

The magnetic bearing of the true meridian, at 7h 10m. a.m., a.m.t. is $N. 13^{\circ} 40' W.$; the angle thus determined gives the mag. decl. $13^{\circ} 40' E.$

I commence at the cor. of secs. 25, 30, 31 and 36 on the W. bdy. of the Tp. recently estab. by ~~me~~ described in Book "The U.S." Thence I run

East bet. secs. 30 and 31, on sectional correction line. Over level land.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S30 in N. and S31 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.

73.50 Ascend rocky N. W. slope.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 29, 30, 31 and 32, marked on brass cap

T16SR27E in N. and

1913 in S. half;

S30 in N. W.

S29 in N. E.

S32 in S. E. and

S31 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.

Land, level and mountainous.

Soil, rich sandy loam, dry, medium texture; 1st. rate, except E. 6.50 chs. which is rocky and worthless.

No timber.

Subdivision of Tp. 16 S. Rg. 27 E.

Chains.	East bet. secs. 29 and 32, on sectional correction line. Ascend rocky N. W. slope.
8.00	Top peak. Descend.
12.00	Over rolling land, through scattering brush.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S29 in N. and S32 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 28, 29, 32 and 33, marked on brass cap T16SR27E in N. and 1913 in S. half; S29 in N. W. S28 in N. E. S33 in S. E. and S32 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. Land, level and mountainous. Soil, rich sandy loam, dry, medium texture; 1st. rate. except W. 8.00 chs. which is rocky and worthless. No timber.
	—————
	East bet. secs. 28 and 33, on sectional correction line. Over nearly level land.
36.25	Cross wash 10 lks. wide course S. W.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S28 in N. and S33 1913 in S. half; dig pits 18x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
41.00	Ascend along S. slope of ridge.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 27, 28, 33 and 34, marked on brass cap T16SR27E. in N. and 1913 in S. half; S28 in N. W. S27 in N. E. S34 in S. E. and S33 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, level and mountainous. Soil, West. 41.00 chs. rich sandy loam, dry, medium texture 1st. rate. East 39 chs. rocky; worthless. No timber.
Note:	At this cor. I set off $19^{\circ} 53\frac{1}{2}'$ N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $32^{\circ} 00'$ N.
	—————
	East bet. secs. 27 and 34, On sectional correction line. Ascend rocky W. slope.
4.70	Top S. side of peak, and along rough S. slope.
12.60	Descend rough E. slope.
35.00	Over nearly level land.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S27 in N. and S34 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits
77.90	Cross road bears N. W. and S. E.
78.88	Cross fence bears N. and S.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35, marked on brass cap

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Subdivision of Tp. 16 S. Rg. 27 E.

Chains.	
	<p>T16SR27E in N. and 1913 in S. half; S27 in N. W. S26 in N. E. S35 in S. E. and S34 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. Land, level and mountainous. Soil, W. 35 chs. rocky, worthless; E. 45.00 chs. sandy loam, dry. medium texture; 1st. rate. No timber.</p>
	<p>East bet. secs. 26 and 35, on sectional correction line. Over level land.</p>
40.00	<p>Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$S26 in N. and S35 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.</p>
45.90	<p>Frame house, vacant, bears N. 5.14 chs. dist.</p>
59.43	<p>Cross fence bears N. and S.</p>
59.70	<p>Cross road bears N. and S.</p>
60.20	<p>Cross fence bears N. and S.</p>
80.00	<p>Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 25, 26, 35 and 36, marked on brass cap T16SR27E in N. and 1913 in S. half; S26 in N. W. S25 in N. E. S36 in S. E. and S35 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. Land, level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.</p>
	<p>on random line</p>
40.00	<p>East bet. secs. 25 and 36, on sectional correction line. Set temp. $\frac{1}{4}$ sec. cor.</p>
79.53	<p>Intersect E. bdy. of Tp. 7 lks. N. 08° 08' E. of the cor. of secs. 25 and 36 T. 16 S., R. 27 E., reestab. by me yesterday as hereinbefore described, thence I run N. 89° 57' W. on a true line bet. secs. 25 and 36. Over level land,</p>
0.50	<p>Cross fence bears N. and S.</p>
39.53	<p>Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$S25 in N. and S36 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.</p>
79.58	<p>Cor. of secs. 25, 26, 35 and 36, hereinbefore described.</p>
79.58	<p>Soil, rich sandy loam, dry, medium texture; 1st. rate. No timber. Land, level.</p>
	<p>July 24, 1913.</p>
	<p>July 25¹⁹¹³ At 7h. 00m. a.m., l.m.t., I set off 32° 00' N. on the lat. arc; 19° 44$\frac{1}{2}$' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 29, 30, 31 and 32, hereinbefore described Thence I run South on a random line bet. secs. 31 and 32</p>
79.87	<p>Intersect S. bdy. of Tp. 2 lks. N. 89° 54' E. of the cor. of secs.</p>

Subdivision of Tp. 16 S. Rg. 27 E.

Chains.	
	31 and 32.T.16 S.,R.27 E.,recently reestab.by me as hereinbefore described, thence I run
	N. 0° 01' E. on a true line bet. secs. 31 and 32.
	Over level land.
2.00	Through scattering brush.
39.87	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S31 in W. S32 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
68.55	Leave brush. Ascend rocky S. slope.
74.75	Top of peak, descend.
79.87	The cor. of secs. 29, 30, 31 and 32. hereinbefore described
	Land, level and mountainous.
	Soil, S. 68.55 chs. sandy loam, dry, medium texture; 1st. rate. N. 11.32 chs. rocky; worthless.
	No timber.
	Undergrowth, mesquite.
	<hr/>
	N. 0° 01' E. bet. secs. 29 and 30.
	Descend rocky N. slope.
3.60	Over level land.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S30 in W. S29 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 19, 20, 29 and 30, marked on brass cap
	T16SR27E in N. and
	1913 in S. half;
	S19 in N. W.
	S20 in N. E.
	S29 in S. E. and
	S30 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
	Land, level.
	Soil, sandy loam, dry, medium texture; 1st. rate.
	No timber.
	<hr/>
	West on a random line bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect W. bdy. of Tp. 2 lks. N. of the cor. of secs. 19, 24, 25 and 30, recently estab. by me as described in
	Thence I run Book "U"
	N. 89° 59' E. on a true line bet. secs. 19 and 30.
	Over level land.
40.01	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S19 in N. and S30 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
66.50	Ascend rocky W. slope.
70.20	Low ridge bears N. and S.
74.50	Over level land.
80.02	The cor. of secs. 19, 20, 29 and 30. hereinbefore described
	Land, level and mountainous.
	Soil, sandy loam, dry, medium texture; 1st. rate. except bet. 66.50 and 74.50 chs. which is rocky and worthless.
	No timber.
	<hr/>
	N. 0° 01' E. bet. secs. 19 and 20.
	Over level land.

BOOK 2672

Subdivision of Tp. 16 S. Rg. 27 E.

Chains.	
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S19 in W. S20 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 17, 18, 19 and 20, marked on brass cap. T16SR27E in N. and .1913 in S. half; S18 in N. W. S17 in N. E. S20 in S. E. and S19 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor. Land, level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.
40.00	S. $89^{\circ} 59'$ W. on a random line bet. secs. 18 and 19. Set temp. $\frac{1}{4}$ sec. cor.
79.99	Intersect W. bdy. of Tp. 3 lks. S. of the cor. of secs. 13, 18, 19 and 24 recently estab. by me as described in Thence I run Book " U " East bet. secs. 18 and 19 on a true line. Over level land.
39.995	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S18 in N. and S19 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
41.70	Cross road bears N. E. and S. W.
79.99	The cor. of secs. 17, 18, 19 and 20. hereinbefore described Land, level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.
Note:	At this cor. I set off $19^{\circ} 41'$ N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $32^{\circ} 02'$ N.
40.00	N. $0^{\circ} 01'$ E. bet. secs. 17 and 18. Over level land. Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S18 in W. S17 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
60.48	Cross road bears N. E. and S. W.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 7, 8, 17 and 18, marked on brass cap T16SR27E in N. and 1913 in S. half; S7 in N. W. S8 in N. E. S17 in S. E. and S18 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor. From this cor. John Thompson house bears N. 7 21' W. A. J. Thompson house bears N. 51 27' E. A. Thompson tent bears N. 81 55' E. Land, level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.

Subdivision of Tp. 16 S. Rg. 27 E.

Chains.	West on a random line bet. secs. 7 and 18
40.00	Set temp. $\frac{1}{4}$ sec. cor.
.79.98	Intersect W. bdy. of Tp., 2 lks. N. of the cor. of secs. 7, 12, 13 and 18, <i>recently estab. by me as described in Book "U"</i>
	Thence I run
	N. 89° 59' E. on a true line bet. secs. 7 and 18.
	Over level land.
39.99	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S7 in N. and S18 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
79.98	Cor. of secs. 7, 8, 17 and 18, <i>hereinbefore described</i> Land level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.
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	N. 0° 01' E. bet. secs. 7 and 8
	Over level land.
7.06	A point from which John Thompson house bears S. 52° 00' W. A. J. Thompson house bears N. 60° 49' E. A. Thompson tent bears S. 86° 40' E.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S7 in W. S8 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
54.20	Cross road bears E. and W.
63.45	Cross road bears N. W. and S. E.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 5, 6, 7, and 8, marked on brass cap T16SR27E in N. and 1913 in S. half; S6 in N. W. S5 in N. E. S8 in S. E. and S7 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. Land, level. Soil, sandy loam, dry. medium texture; 1st. rate. No timber.
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	S. 89° 59' W. on a random line bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect W. bdy. of Tp. 5 lks. N. of the cor of secs. 1, 6, 7 and 12 <i>recently estab. by me, as described in Book "U."</i>
	Thence I run
	N. 89° 57' E. on a true line bet. secs. 6 and 7
	Over level land.
40.01	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S6 in N. and S7 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
64.50	Cross road bears N. W. and S. E.
80.02	The cor. of secs. 5, 6, 7, and 8. <i>hereinbefore described</i> Land, level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.

July 25, 1913.

August 1: 1913.
N. 0° 01' E. bet. secs. 5 and 6 on true line.
Over level land.

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Subdivision of Tp. 16 S. Rg. 27 E.

Chains.	
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S6 in W. S5 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
78.80	Intersect Third Standard Parallel South 6.41 chs. E. of the standard $\frac{1}{4}$ sec. cor. on S. bdy. of sec. 31, Tp. 15 S. Rg. 27 E. which is a quartz stone marked and witnessed as described by the surveyor general. <i>At point of intersection, I set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 5 and 6, marked on brass cap, C.C. 30 of center, T16SR27E 321332 in N. and 1913 in S. half; S5 in SE. and S6 in SW. quadrant, Dig pits 24 x 18 x 12 ins. crosswise in each line, E and W. 3 ft. and S. of cor. 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high S. of cor. Land, level. Soil, sand loam, dry, coarse texture, 1st rate. No timber. AUGUST 1, 1913.</i>
	1913. July 26 th At 7h. 00m. a.m., 1.m.t., I set off $32^{\circ}00'$ N. on the lat. arc; $19^{\circ}31\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 28, 29, 32 and 33. hereinbefore described Thence I run South on a random line bet. secs. 32 and 33
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.72	Intersect S. bdy. of Tp. 7 lks. N $89^{\circ}54'$ E. of the cor. of secs. 4, 5, 32 and 33. recently reestab. by me, as hereinbefore described Thence I run N. $0^{\circ}03'$ E. on a true line bet. secs. 32 and 33. Over level land.
9.70	Ascend rocky S. slope.
19.40	Ridge bears E. and W.
39.72	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 32 in W. S33 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor. Thence over level land.
44.20	Cross wash 25 lks. wide course S. W. and through scattering brush.
72.70	Leave brush.
79.72	The cor. of secs. 28, 29, 32 and 33. hereinbefore described Land, level and mountainous. Soil, 0 to 9.70 chs. and 39.72 to 79.72 chs. sandy loam, dry, medium texture; 1st. rate. 9.70 to 39.72 chs. rocky worthless. No timber.
	N. $0^{\circ}01'$ E. bet. secs. 28 and 29. Ascend.
17.80	Cross wash 8 lks. wide course E.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S29 in W. an S28 in E. and 1913 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
50.80	Ridge bears E. and W. descend.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 20, 21, 28 and 29, marked on brass cap T16SR27E in N. and 1913 in S. half; S20 in N. W. S21 in N. E. S28 in S. E. and S29 in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4th. rate. No timber.

Subdivision of Tp. 16 S. Rg. 27 E.

Chains.	
	West on a random line bet. secs. 20 and 29
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line 2 lks. S. of the cor. of secs. 19, 20, 29 and 30. hereinbefore described
	Thence I run
	S. $89^{\circ} 59'$ E. on a true line bet. secs. 20 and 29.
	Ascend rough S. W. slope.
21.50	Ridge bears N. and S. descend.
36.00	Ascend rocky W. slope.
40.04	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S20 in N. and S29 1913 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
58.30	Top on S. edge of peak, descend.
80.08	The cor. of secs. 20, 21, 28 and 29. hereinbefore described
	Land, mountainous.
	Soil, rocky; 4th. rate.
	No timber.
	Note: At this cor. I set off $19^{\circ} 28'$ N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $32^{\circ} 01'$ N.
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	N. $0^{\circ} 01'$ E. bet. secs. 20 and 21.
	Along E. slope.
3.70	Descend.
20.00	Over nearly level land.
26.00	Cross ditch 3 lks. wide course N. W.
32.70	Cross fence bears E. and W.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S20 in W. S21 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
72.65	Cross fence bears E. and W.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 16, 17, 20 and 21, marked on brass cap
	TL6SR27E in N. and
	1913 in S. half;
	S17 in N. W.
	S16 in N. E.
	S21 in S. E. and
	S20 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
	Land, level and mountainous.
	Soil, S. 20.00 chs. rocky; worthless. N. 60.00 chs. sandy loam, dry, medium texture; 1st. rate.
	No timber.
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	N. $89^{\circ} 59'$ W. on a random line bet. secs. 17 and 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line 5 lks. N. of the cor. of secs. 17, 18, 19, and 20. hereinbefore described.
	Thence I run
	N. $89^{\circ} 59'$ E. on a true line bet. secs. 17 and 20.
	Over level land.
40.01	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S17 in N. and S20 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
43.02	from this point
	Meyerhoff house bears S. $55^{\circ} 45'$ E.
80.02	The cor. of secs. 16, 17, 20 and 21. hereinbefore described
	Land, level.
	Soil, sandy loam, dry, medium texture; 1st. rate.

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Subdivision of Tp. 16 S. Rg. 27 E.

Chains.

No timber.

N. 0° 01' E. bet. secs. 16 and 17.

Over level land.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S17 in W. S16 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.

57.60 Cross fence bears E. and W.

70.77 Over cultivated land.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 8, 9, 16 and 17, marked on brass cap

T16SR27E in N. and

1913 in S. half;

S8 in N. W.

S9 in N. E.

S16 in S. E. and

S17 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.

Land, level.

Soil, rich sandy loam, dry, medium texture; 1st. rate.

No timber.

S. 89° 59' W. on a random line bet. secs. 8 and 17

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

79.98 Intersect N. and S. line 7 lks. S. of the cor. of secs. 7, 8, 17 and 18. ~~hereinbefore described~~

Thence I run

S. 89° 58' E. on a true line bet. secs. 8 and 17.

Over level land.

6.05 Cross road bears N. and S.

6.36 Cross fence bears N. and S.

39.99 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S8 in N. and S17 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.

65.30 Over cultivated land.

79.98 The cor. of secs. 8, 9, 16 and 17. ~~hereinbefore described~~

Land, level.

Soil, sandy loam, dry, medium texture; 1st. rate.

No timber.

July 26, 1913.

August 1¹⁹¹³ At 7h. 00m. a.m., l.m.t., I set off 32° 02 $\frac{1}{2}$ ' N. on the lat. arc; 18° 07' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 8, 9, 16 and 17. ~~hereinbefore described~~

Thence I run

N. 0° 01' E., bet. secs. 8 and 9

Over level land, cultivated.

11.30 Leave cultivated land.

12.20 Cross wash 10 lks. wide course W.

18.60 Cross fence bears E. and W.

23.42 Cross road bears N. W. and S. E.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S8 in W. S9 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.

55.36 Cross road bears N. E. and S. W.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the

Subdivision of Tp. 16 S. Rg. 27 E.

Chains.

ground for cor. of secs. 4, 5, 8 and 9, marked on brass cap
 T16SR27E in N. and
 1913 in S. half;
 S5 in N. W.
 S4 in N. E.
 S9 in S. E. and
 S8 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in
 each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft.
 base 2 ft. high, W. of cor.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.

40.00 N. $89^{\circ} 58'$ W. on a random line bet. secs. 5 and 8.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. and S. line 2 lks. N. of the cor. of secs.
 5, 6, 7, and 8, *hereinbefore described*
 Thence I run
 S. $89^{\circ} 59'$ E. on a true line bet. secs. 5 and 8
 Over level land.
 39.98 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S5 in N.
 and S8 1913 in S. half; dig pits 18 x 18 x 12 ins. E.
 and W. of post 3 ft. dist., and raise a mound of earth
 $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
 47.55 Cross road bears N. E. and S. W.
 79.96 The cor. of secs. 4, 5, 8, and 9, *hereinbefore described*
 Land, level.
 Soil, sandy loam, dry, medium texture, 1st. rate.
 No timber.

N. $0^{\circ} 01'$ E. bet. secs. 4 and 5, on true line.
 Over level land.
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S5 in W.
 S4 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins.
 N. and S. of post 3 ft. dist., and raise a mound of earth
 $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
 76.70 Cross road bears N. W. and S. E.
 78.91 Intersect Third Standard Parallel South 6.22 chs. east of
 the standard $\frac{1}{4}$ sec. cor. on the S. bdy. of sec. 32, Tp.
 15 S. Rg. 27 E. which is a quartz stone marked and
 witnessed as described by the surveyor general. *At point of*
intersection, I set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of
secs. 4 and 5, marked on brass cap, TC S of center, T15SR27E S32S33 in N, and 1913 in S
half; S4 in SE. and S5 in SW. quadrant, Dig pits 24x18x12 ins. crosswise on each line, E. and W.
3 ft. and S. of cor. 7 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high S. of cor.
Land, level. Soil, sandy loam, dry, medium texture, 1st rate. No timber. AUGUST 1, 1913.

1913.
 July 31: At 7h. 00m. a.m., 1.m.s., I set off $32^{\circ} 00'$ N.
 on the lat. arc; $18^{\circ} 21\frac{1}{2}'$ N. on the decl. arc; and
 determine a meridian with the solar at the cor. of secs.
 27, 28, 33 and 34, *hereinbefore described*
 Thence I run
 S. $0^{\circ} 02'$ W. bet. secs. 33 and 34 on a random line.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 81.05 Intersect S. bdy. of Tp. 9 Ns. S89 $^{\circ}$ 47E. of the cor. of secs.
 33 and 34. T.16 S., R.27. E., recently reestab. by me as
hereinbefore described, thence I run
 N. $0^{\circ} 06'$ E. on a true line bet. secs. 33 and 34.
 Ascend rocky S. slope.
 1.35 Ridge bears N. E. and S. W.: descend.
 16.50 Cross wash 12 lks. wide course S. W. ascend.
 40.80 Ridge bears N. E. and S. W.
 41.05 Set an iron post 3 ft. long; 1 in. diam., 26 ins. in the

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.Subdivision of Tp. 16 S. Rg. 27 E.

Chains.	
	ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S33 in W. S34 in E. and 1913 in S. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
.50.00	Ascend.
72.50	Ridge bears N. E. and S. W. descend.
81.05	The cor. of secs. 27, 28, 33 and 24. hereinbefore described Land, mountainous. Soil, rocky; 4th. rate. No timber.
—————	
	N. $0^{\circ} 02'$ E. bet. secs. 27 and 28. Ascend rocky S. slope.
.1.70	Ridge bears E. and W. descend.
27.00	Over nearly level land.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S28 in W. S27 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
43.20	Cross wash 15 lks. wide course N. E.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 21, 22, 27 and 28, marked on brass cap T16SR27E in N. and 1913 in S. half; S21 in N. W. S22 in N. E. S27 in S. E. and S28 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. Land, level and mountainous. Soil, S 27.00 chs. rocky; 4th. rate. N. 53.00 chs. sandy loam, dry, medium texture; 1st. rate. No timber.
—————	
	West on a random line bet. secs. 21 and 28.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. and S. line 5 lks. N. of the cor. of secs. 20, 21, 28 and 29. hereinbefore described Thence I run N. $89^{\circ} 58'$ E. on a true line bet. secs. 21 and 28. Descend.
1.50	Cross wash 20 lks. wide course N. E. ascend.
12.60	Ridge bears N. and S. descend.
24.00	Cross wash 8 lks. wide course N. ascend.
32.80	Ridge bears N. E. and S. W. descend.
40.05	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S21 in N. and S28 1913 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
45.40	Over nearly level land.
80.10	The cor. of secs. 21, 22, 27 and 28. hereinbefore described Land, level and mountainous. Soil, W. 46. 00 chs. rocky; worthless. E. 34.00 chs. sandy loam, dry, medium texture; 1st. rate. No timber. Note: At this cor. I set off $18^{\circ} 17\frac{1}{2}'$ N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $32^{\circ} 01'$ N.
—————	
	N. $0^{\circ} 02'$ E. bet. secs. 21 and 22. Over level land.
7.60	Cross fence bears E. and W.
12.40	Cross ditch 6 lks. wide course W.

Subdivision of Tp. 16 S. Rg. 27 E.

Chains.	
37.00	Cross fence bears E. and W..
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S21 in W. S22 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 15, 16, 21 and 22, marked on brass cap T16SR27E in N. and 1913 in S. half; S16 in N. W. S15 in N. E. S22 in S. E. and S21 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. Land, level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.
40.00	S. $89^{\circ} 58'$ W. on a random line bet. secs. 16 and 21. Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line 7 lks. S. of the cor. of secs. 16, 17, 20 and 21 hereinafter described Thence I run S. $89^{\circ} 59'$ E. on a true line bet. secs. 16 and 21 Over level land.
1.98	From this point Meyerhoff house bears S. 56.09' W..
39.99	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S16 in N. and S21 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high N. of cor.
53.90	Cross road bears N. W. and S. E.
79.98	The cor. of secs. 15, 16, 21 and 22. hereinafter described Land, level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.
40.00	N. $0^{\circ} 02'$ E. bet. secs. 15 and 16. Over level land. Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 16 in W. S15 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
72.90	A point from which Riggs windmill bears S. 78.05' W. 10.00 chs. dist
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 9, 10, 15, and 16, marked on brass cap T16SR27E in N. and 1913 in S. half; S9 in N. W. S10 in N. E. S15 in S. E. and S16 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. Land, level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.

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Subdivision of Tp. 16 S. Rg. 27 E.

Chains.	
	N. 89° 59' W. on a random line bet. secs. 9 and 16
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line 2 lks. N. of the cor. of secs. 8, 9, 16 and 17. <i>hereinbefore described</i>
	Thence I run
	East on a true line bet. secs. 9 and 16.
	Over level cultivated land.
20.95	Cross fence bears N. and S. and leave cultivated land.
21.90	Cross road bears N. and S.
40.01	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S9 in N. and S16 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
80.02	The cor. of secs. 9, 10, 15 and 16. <i>hereinbefore described</i>
	Land, level.
	Soil, sandy loam, dry, medium texture; 1st. rate.
	No timber.
	July 31, 1913.
	August 1, 1913:
	N. 0° 02' E. bet. secs. 9 and 10.
	Over level land.
8.10	Cross wash 25 lks. wide course W.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S9 in W. S10 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post 3 ft. long, 2 ins. diam, 24 ins. in the ground for cor. of secs. 3, 4, 9 and 10, marked on brass cap
	T16SR27E in N. and 1913 in S. half;
	S4 in N. W.
	S3 in N. E.
	S10 in S. E. and S9 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
	Land, level.
	Soil, sandy loam, dry, medium texture; 1st. rate.
	No timber.
	West on a random line bet. secs. 4 and 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line 5 lks. N. of the cor. of secs. 4, 5, 8, and 9. <i>hereinbefore described</i>
	Thence I run
	N. 89° 58' E. on a true line bet. secs. 4 and 9.
	Over level land.
40.02	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S4 in N. and S9 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
46.90	Cross road bears N. E. and S. W.
80.04	The cor. of secs. 3, 4, 9, and 10. <i>hereinbefore described</i>
	Land, level.
	Soil, sandy loam, dry, medium texture; 1st. rate.
	No timber.
	N. 0° 02' E. bet. secs. 3 and 4. on true line.
	Over level land.
12.45	Cross road bears N. E. and S. W.

Subdivision of Tp. 16 S. Rg. 27 E.

Chains.	
29.25	Cross road bears N. W. and S. E.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S4 in W. S3 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
78.98	Intersect Third Standard Parallel South 6.28 chs. east of the standard $\frac{1}{4}$ sec. cor. on the S. bdy. of sec. 33, Tp. 15 S. Rg. 27 E. which is a quartz stone marked and witnessed as described by the surveyor general. <i>At point of intersection, I set an iron post, 3 ft. long, 2 ins. in diam. 24 ins. in the ground, for closing cor. of secs. 3 and 4, marked on brass cap, C.C. S. of center; T15S R27E S33 S34 to N. and 1913 in S. half; S3 in S.E. and S4 in S.W. quadrant. Dig pits 24x18x12 ins. crosswise on each line. E and W. 3 ft. and S. of cor. 7 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high S. of cor. Land, level. Soil, sandy loam, dry, medium texture, 1st rate. No timber. AUGUST 1, 1913.</i>
	Aug. 2, 1913. At 7 th 00m. a.m., 1.m.t., I set off 32° 00' N. on the lat. arc; 17° 51 $\frac{1}{2}$ ' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 26, 27, 34 and 35. hereinbefore described Thence I run S. 0 02' W. bet. secs. 34 and 35, on random line.
81.22	Intersect S. bdy. of Tp., at the cor. of secs. 34 and 35, T. 16 S. R. 27 E., recently reestab. by me as hereinbefore described, thence I run, N. 0 02' E. on a true line bet. secs. 34 and 35.
	Ascend
30.00	Ridge bears E. and W.
40.00	Ridge bears N. E. and S. W.
41.22	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S4 in W. S35 in E. and 1913 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. descend.
70.00	Over nearly level land.
79.80	Cross road bears N. W. and S. E.
80.00	Cross fence bears E. and W.
81.22	The cor. of secs. 26, 27, 34 and 35. hereinbefore described Land, mountainous and level. Soil, S. 70.00 chs. rocky; 4th. rate. N. 10.22 chs. sandy loam, dry, medium texture; 1st. rate. No timber.
	N. 0° 02' E. bet. secs. 26 and 27. Over level land,
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S27 in W. S26 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
58.75	Cross fence bears E. and W.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 22, 23, 26 and 27, marked on brass cap T16SR27E in N. and 1913 in S. half; S22 in N. W. S23 in N. E. S26 in S. E. and S27 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. Land, level. Soil, sandy loam, medium texture, dry; 1st. rate. No timber.

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Subdivision of Tp. 16 S. Rg. 27 E.

Chains.

- West on a random line bet. secs. 22 and 27.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. and S. line 5 lks. N. of the cor. of secs. 21, 22, 27 and 28. **hereinbefore described**
- Thence I run
- N. $89^{\circ} 58'$ E. on a true line bet. secs. 22 and 27.
Over level land.
- 17.30 Cross fence bears N. W. and S. E.
- 19.15 Cross fence bears N. and S.
- 19.45 Cross road bears N. and S.
- 40.01 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S22 in N. and S27 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
- 80.02 The cor. of secs. 22, 23, 26 and 27. **hereinbefore described**
Land, level.
Soil, sandy loam, dry, medium texture; 1st. rate.
No timber.
-
- N. $0^{\circ} 02'$ E. bet. secs. 22 and 23.
Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S22 in W. and S23 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 14, 15, 22 and 23, marked on brass cap
T16SR27E in N. and
1913 in S. half;
S15 in N. W.
S14 in N. E.
S23 in S. E. and
S22 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
Land, level.
Soil, sandy loam, dry; medium texture; 1st. rate.
No timber.
- Notes: At this cor. I set off $17^{\circ} 47\frac{1}{2}'$ N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $32^{\circ} 02'$ N.
-
- S. $89^{\circ} 58'$ W. on a random line bet. secs. 15 and 22.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N. and S. line 7 lks. S. of the cor. of secs. 15, 16, 21 and 22. **hereinbefore described**
- Thence I run
- S. $89^{\circ} 59'$ E. on a true line bet. secs. 15 and 22.
Over level land.
- 39.98 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S15 in N. and S22 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
- 79.96 The cor. of secs. 14, 15, 22 and 23. **hereinbefore described**
Land, level.
Soil, sandy loam, dry, medium texture; 1st. rate.
No timber.
-
- N. $0^{\circ} 02'$ E. bet. secs. 14 and 15.
Over level land.
- 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the

Subdivision of Tp. 16 S. Rg. 27 E.

Chains.

ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S15 in W. S14 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.

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

T16SR27E in N. and 1913 in S. half; S10 in N. W. S11 in N. E. S14 in S. E. and S15 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.

Land, level.
Soil, sandy loam, dry, medium texture; 1st. rate.
No timber.

N. $89^{\circ} 59'$ W. on a random line bet. secs. 10 and 15.

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

80.02 Intersect N. and S. line 5 lks. N. of the cor. of secs. 9, 10, 15 and 16. **hereinbefore described**

Thence I run N. $89^{\circ} 59'$ E. on a true line bet. secs. 10 and 15. Over level land:

40.01 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S10 in N. and S15 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.

60.00 Cross wash 20 lks. wide course N. W.
67.25 Cross same wash course S. W.
80.02 The cor. of secs. 10, 11, 14 and 15. **hereinbefore described**

Land, level.
Soil, sandy loam, dry, medium texture; 1st. rate.
No timber.

August 2, 1913.

1913:
August 5: At 7h. 00m. a.m., l.m.t., I set off $32^{\circ} 02\frac{1}{2}'$ N. on the lat. arc; $17^{\circ} 04\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 10, 11, 14 and 15. **hereinbefore described**

Thence I run N. $0^{\circ} 02'$ E. bet. secs. 10 and 11. Over level land.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S10 in W. S11 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.

62.55 Cross road bears N. W. and S. E.
80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 2, 3, 10 and 11, marked on brass cap

T16SR27E in N. and 1913 in S. half; S3 in N. W. S2 in N. E. S11 in S. E. and S10 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.

Land, level.
Soil, sandy loam, dry, medium texture; 1st. rate.
No timber.

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Subdivision of Tp. 16 S. Rg. 27 E.

Chains.	
	S. 89° 59' W. on a random line bet. secs. 3 and 10.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line 3 lks. N. of the cor. of secs. 3, 4, 9 and 10. hereinbefore described
	Thence I run
	N. 89° 58' E. on a true line bet. secs. 3 and 10.
	Over level land.
40.01	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S3 in N. and S10 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
49.80	Cross road bears N. W. and S. E.
80.02	The cor. of secs. 2, 3, 10 and 11. hereinbefore described
	Land, level.
	Soil, sandy loam, dry, medium texture; 1st. rate.
	No timber.
	<hr/>
	N. 0° 02' E. bet. secs. 2 and 3, on true line.
	Over level land.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S3 in W. and S2 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
79.03	Intersect Third Standard Parallel South, 6.30 chs. east of the standard $\frac{1}{4}$ sec. cor. on the S. bdy. of sec. 34, Tp. 15 S. Rg. 27 E. which is a quartz stone marked and witnessed as described by the surveyor general. <i>At point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 2 and 3, marked on brass cap CC S. of center T155R27E S34535 in N. and 1913 in S. half; S2 in SE and S3 in SW quadrant. Dig pits 24 x 18 x 12 ins. crosswise on each line, E. and W. 3 ft. and S. of cor. 7 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor. Land, level. Soil, sandy loam, dry, medium texture, 1st. rate. No timber. August 5, 1913.</i>
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	1913:
	August 4: At 7h. 00m. a.m., l.m.t., I set off 32° 00' N. on the lat. arc; 17° 20 $\frac{1}{2}$ ' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 25, 26, 35 and 36. hereinbefore described
	Thence I run
	S. 0° 03' W. on a random line bet. secs. 35 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
81.32	Intersect S. bdy. of Tp. 16 lks. ^{N. 89° 36' W.} of the cor. of secs. 35 and 36, recently reestab. by me as hereinbefore described.
	Thence I run
	N. 0° 04' W. On a true line bet. secs. 35 and 36.
	Over level land.
0.71	Cross fence bears E. and W.
41.32	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S35 in W. S36 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
81.32	The cor. of secs. 25, 26, 35 and 36. hereinbefore described
	Land, level.
	Soil, sandy loam, dry, medium texture; 1st. rate.
	No timber.
	<hr/>
	N. 0° 03' E. bet. secs. 25 and 26.
	Over level land,
24.43	Cross fence bears E. and W.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S26 in W. S25 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post, 3 ft. dist., and raise a mound of earth

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Chains.	
78.10	3½ ft. base 1½ ft. high, W. of cor.
80.00	Cross wash 10 lks. wide course W. Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 23, 24, 25, and 26, marked on brass cap T16SR27E in N. and 1913 in S. half; S23 in N. W. S24 in N. E. S25 in S. E. and S26 in S. W. quadrant; 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, dry, medium texture; 1st. rate. No timber.
40.00	West on a random line bet. secs. 23 and 26. Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line 14 lks. N. of the cor. of secs. 22, 23, 26 and 27, hereinbefore described Thence I run N. 89° 54' E. on a true line bet. secs. 23 and 26. Over level land.
40.02	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼S23 in N. and S26 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high, N. of cor.
80.04	The cor. of secs. 23, 24, 25 and 26, hereinbefore described Land, level. Soil, sandy loam, dry, medium texture, 1st. rate. No timber.
40.00	S. 89° 57' E. on a random line bet. secs. 24 and 25. Set temp. ¼ sec. cor.
79.61	Intersect E. bdy. of Tp. 9 lks. N. 0° 06' E. of the cor. of secs. 24 and 25, T. 16 S. R. 27 E. recently reestab. by me as hereinbefore described. Thence I run N. 89° 53' W., on a true line bet. secs. 24 and 25. Over level land.
39.61	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼S24 in N. and S25 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high, N. of cor.
79.61	The cor. of secs. 23, 24, 25 and 26, hereinbefore described . Land, level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.
40.00	N. 0° 03' E. bet. secs. 23 and 24. Over level land. Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼S23 in W. and S24 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high, W. of cor.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 13, 14, 23 and 24, marked on brass cap T16SR27E in N. and 1913 in S. half; S14 in N. W.

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Subdivision of Tp. 16 S. Rg. 27 E.

Chains.

S13 in N. E.
 S24 in S. E. and
 S23 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st. rate.
 No timber.
 Note: At this cor. I set off $17^{\circ} 16'$ N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $32^{\circ} 02'$ N.

S. $89^{\circ} 54'$ W. on a random line bet. secs. 14 and 23.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect N. and S. line 9 lks. S. of the cor. of secs. 14, 15, 22 and 23. **hereinbefore described**
 Thence I run
 N. $89^{\circ} 58'$ E. on a true line bet. secs. 14 and 23.
 Over level land.
 40.01 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S14 in N. and S23 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
 80.02 The cor. of secs. 13, 14, 23 and 24. **hereinbefore described**
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st. rate.
 No timber.

S. $89^{\circ} 53'$ E. on a random line bet. secs. 13 and 24.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.72 Intersect E. bdy. of Tp., at the cor. of secs. 13 and 24, T16S.R.27E, recently re-established by me as hereinbefore described, thence I run, N. $89^{\circ} 53'$ W., bet. secs. 13 and 24.
 39.72 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S13 in N. and S24 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
 79.72 The cor. of secs. 13, 14, 23 and 24, **hereinbefore described**.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st. rate.
 No timber.

N. $0^{\circ} 03'$ E. bet. secs. 13 and 14.
 Over level land.
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S14 in W. S13 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 11, 12, 13, and 14, marked on brass cap
 T16SR27E in N. and
 1913 in S. half;
 S11 in N. W.
 S12 in N. E.
 S13 in S. E. and
 S14 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st. rate.
 No timber.

August 4, 1913.

Subdivision of Tp. 16 S. Rg. 27 E.

Chains.	
	August 5: 1913. S. 89° 58' W. on a random line bet. secs. 11 and 14.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect N. and S. line 5 lks. S. of the cor. of secs. 10, 11, 14 and 15. hereinbefore described Thence I run East bet. secs. 11 and 14. Over level land.
40.03	Set an iron post 3 ft. long, 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S11 in N. and S14 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
80.06	The cor. of secs. 11, 12, 13 and 14. hereinbefore described Land, level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.
	<hr/>
	S. 89° 53' E. on a random line bet. secs. 12 and 13.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.12	Intersect E. bdy. of Tp. 2 lks N. 0° 14' E. of the cor. of secs. 12 and 13, T16 S, R. 27 E. recently reestab. by me as hereinbefore described. Thence I run N. 89° 52' W. on a true line bet. secs. 12 and 13. Over level land.
34.15	Cross road bears N. W. and S. E.
40.12	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S12 in N. and S13 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
80.12	The cor. of secs. 11, 12, 13 and 14. hereinbefore described Land, level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.
	Note: At this cor. I set off 17° 00' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 32° 02 $\frac{1}{2}$ ' N.
	<hr/>
	N. 0° 03' E. bet. secs. 11 and 12. Over level land,
21.15	Cross road bears N. W. and S. E.
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S11 in W. S12 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 1, 2, 11, and 12, marked on brass cap T16SR27E in N. and 1913 in S. half; S2 in N. W. S1 in N. E. S12 in S. E. and S11 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. Land, level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.
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40.00	West on a random line bet. secs. 2 and 11. Set temp. $\frac{1}{4}$ sec. cor.

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Subdivision of Tp. 16 S. Rg. 27 E.

- Chains.
- 80.02 Intersect N. and S. line 5 lks. N. of the cor. of secs. 2, 3, 10 and 11, ~~hereinbefore~~ described
Thence I run
N. 89° 58' E. on a true line bet. secs. 2 and 11.
Over level land.
- 40.01 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S2 in N. and S11 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
- 80.02 The cor. of secs. 1, 2, 11 and 12, ~~hereinbefore~~ described
Land, level.
Soil, sandy loam, dry, medium texture; 1st. rate.
No timber.
-
- 40.00 S. 89° 52' E. on a random line bet. secs. 1 and 12.
Set temp. $\frac{1}{4}$ sec. cor.
- 80.37 Intersect E. bdy. of Tp. 2 lks. N. 0° 05' E. of the cor. of secs. 1 and 12, T16 S.R.27 E., recently reestab. by me, as ~~hereinbefore~~ described.
Thence I run
N. 89° 51' W. on a true line bet. secs. 1 and 12.
Over level land.
- 40.37 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S1 in N. and S12 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, N. of cor.
- 80.37 The cor. of secs. 1, 2, 11 and 12, ~~hereinbefore~~ described
Land, level.
Soil, sandy loam, dry, medium texture; 1st. rate.
No timber.
-
- 40.00 N. 0° 03' E. bet. secs. 1 and 2, on true line.
Over level land.
Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S2 in W. S1 in E. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high, W. of cor.
- 78.89 Intersect Third Standard Parallel South 6.37 chs. east of the standard $\frac{1}{4}$ sec. cor. on the S. bdy. of sec. 35, Tp. 15 S. Rg. 27 E. which is a quartz stone marked and witnessed as described by the surveyor general. *At point of intersection, I set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for closing cor. of secs. 1 and 2, marked on brass cap, CC S. of center, T15SR27ES35.536 in N. and 1913 in S. half; S1 in SE. and S2 in SW. quadrant. Dig pits 24 x 18 x 12 ins. crosswise on each line, E. and W. 3 ft. and S. of cor. 7 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor. Land, level. Soil, sandy loam, dry, medium texture, 1st rate. No timber. August 5, 1913.*

GENERAL DESCRIPTION.

This township is level except for a small range of granite hills in the southern portion, and the soil is generally a sandy loam and very fertile. There is no timber or water in the township. There are two settlers in sec. 8, and one each in secs. 7, 16, 20 and 26.

John P. Hesse
U. S. Surveyor.

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability,
 John F. Hesse, U. S. Surveyor, during the periods and in the capacities
 stated opposite our several signatures, in surveying all those parts or portions of the
 subdivision lines and resurveying the south and east boundaries
 of Tp. 16 S. Rg. 27 E.

of the Gila and Salt River ^{Base and} Meridian, in the State of Arizona,
 which are represented in the foregoing field notes as having been executed by him, and under his direc-
 tion; and that said survey ^{and resurvey} has been, in all respects, to the best of our knowledge and belief, well and
 faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
<i>G. C. Lamy</i>	April 1, 1913	Aug. 9, 1913	Chainman.
<i>L. E. Kealey</i>	March 18, 1913	Aug. 11, 1913	Chainman
<i>J. J. Hughes</i>	Feb. 9, 1913.	Aug. 11, 1913.	Flagman.
<i>C. T. Robinson</i>	June 7, 1913	Aug. 11, 1913.	Axman.

Subscribed and certified to before me on the dates of the final service as shown above.

John F. Hesse
 U. S. Surveyor.

FINAL OATH OF UNITED STATES SURVEYOR.

I, John F. Hesse, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona, for Group 18 bearing date of the 23rd day of April, 1913, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivision lines and resurveyed the east and south boundaries of Tp. 16 S. Rg. 27 E.

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey and resurvey have been established or reestablished and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey and resurvey.

John F. Hesse
U. S. Surveyor.

Subscribed by said John F. Hesse, and sworn to before me }
this 11th day of May, 1914



Frank S. Ingalls
Surveyor General of Arizona

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, July 21, 1914

The foregoing field notes of the survey of the Subdivision lines and Resurvey of the East and South boundaries of Township N° 16 South, Range N° 27 East of the Gila and Salt River Base and Meridian, Arizona.

executed by John F. Hesse, U.S. Surveyor under his special instructions dated April 23rd, 1913, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
U. S. Surveyor General of Arizona

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