

Accepted G.L.O. letter "E" Dec. 15-1913.

FIELD NOTES

OF THE SURVEY OF THE

South and East Bdy., Township 22 North, Range 8 West

South and East Bdy., Township 23 North, Range 8 West

South and East Bdy., Township 24 North, Range 8 West

East and West Bdy., Township 25 North, Range 8 West

South and East, & Fractional North, & fractional West

Boundaries, Township 26 North, Range 8 West.

Of the Gila and Salt River Base and Meridian,

In the State of ARIZONA

EXECUTED BY

William H. Elliott,

In the capacity of U. S. Surveyor, under instructions dated August 28, 1911, issued by the United States Surveyor General to govern surveys included in Group No. 15, which were approved by the Commissioner of the General Land Office, September 28, 1911, pursuant to authority contained in the Act of Congress dated June 25, 1910.

Survey commenced November 6, 1911

Survey completed January 13, 1912

INDEX DIAGRAM.

Township _____, *Range* _____

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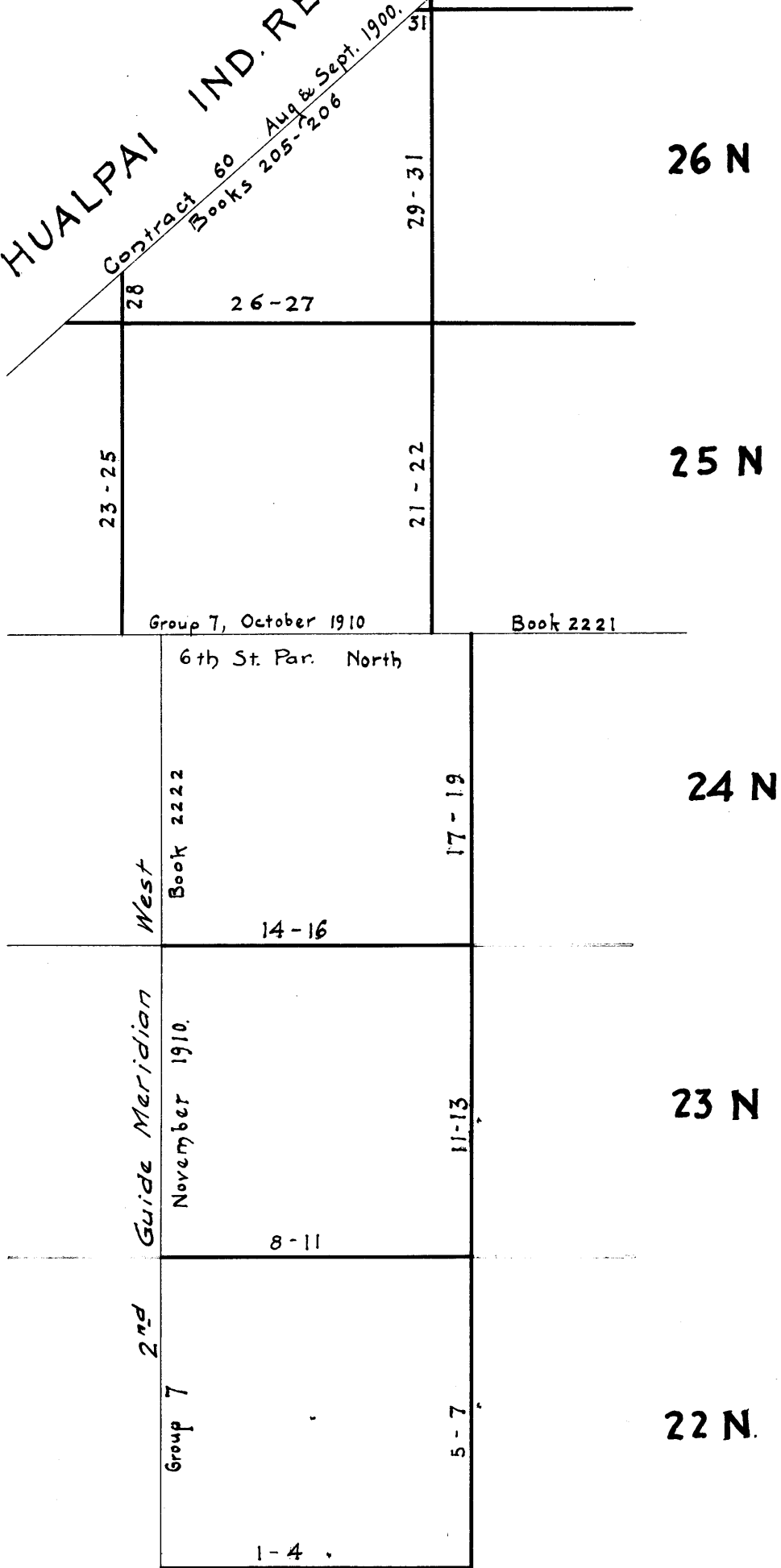
BOOK 2411

148 IA

8W.

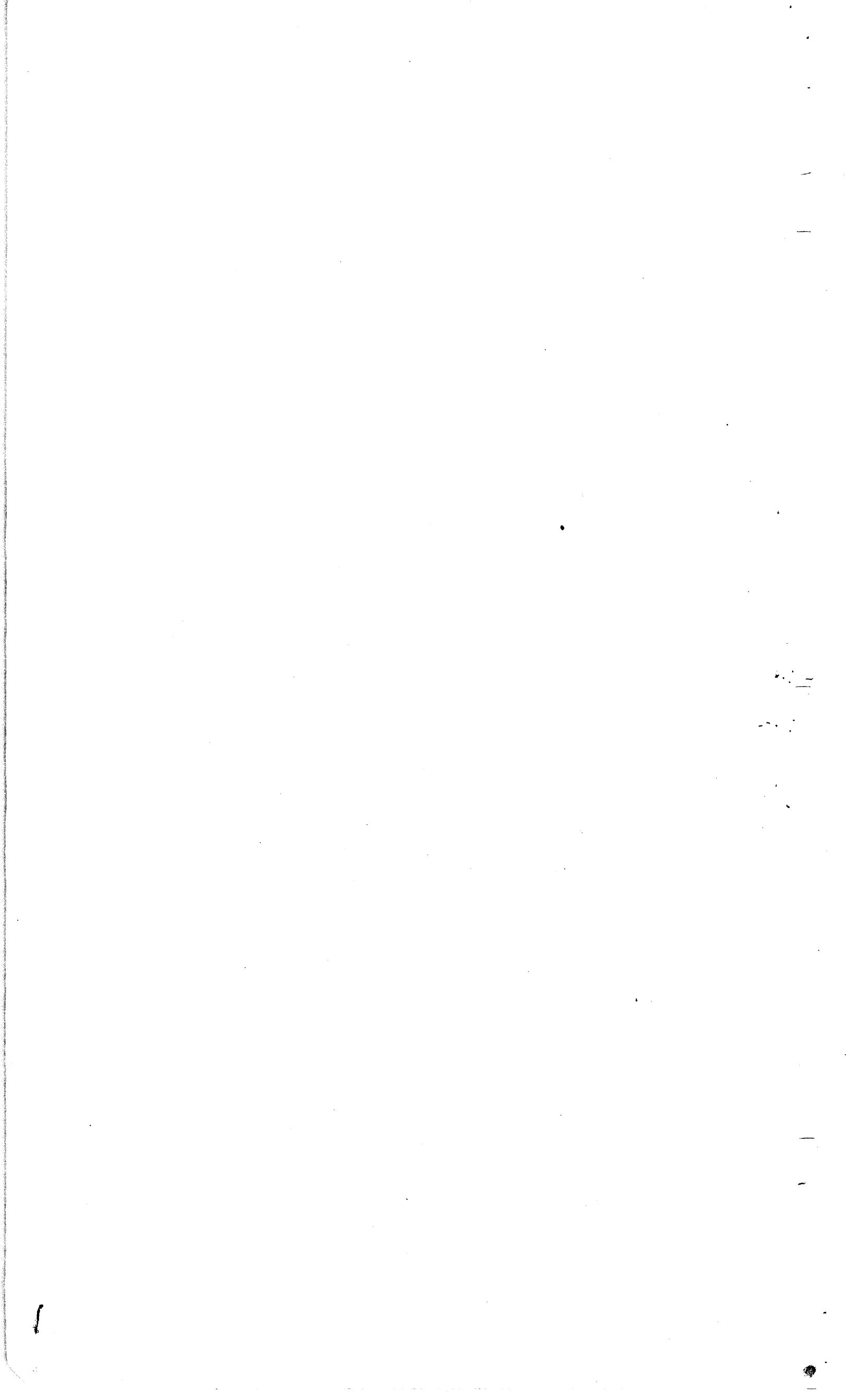
HUALPAI IND. RES.

Contract 60 Aug & Sept. 1900.
Books 205-206



Explanation

- See Book 3-2413
- " " 2-2412
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- Former Surveys



South Boundary T. 22 N., R. 8 W.

18

Chains.

Survey commenced Nov. 6, 1911, and executed with a Young & Son's light mountain transit No. 8480, with Smith's patent solar attachment on side. The horizontal limb of the instrument is provided with two double verniers placed opposite to each other and each reading to 1' of arc, which is also the least reading of the verniers of the latitude and declination arcs of the solar.

This instrument having been approved by the Surveyor-General of Arizona and the Supervisor of Surveys of this district and transmitted to me for use on these surveys, I proceed to the field and establish my camp at the cor. of Tps. 22 & 23 N., Rs. 8 & 9 W., lat. $35^{\circ}20'$ N., long. $113^{\circ}09'57''$ W., which is an iron post 3 ins. in diam. 1 ft. above ground with brass cap, marked and witnessed as described by the Surveyor-General of Arizona.

At this cor. I test all the adjustments of the transit, and solar attachment, and correct the levels and line of collimation; then, in order to test the solar apparatus, by comparing the results of observations of the sun, for meridians made during p.m. & a.m. hours respectively, with a true meridian as established by observation of Polaris, I proceed as follows: -

At 4h p.m., l.m.t., at the cor. above described, I set off $35^{\circ}20'$ N. on the lat. arc, and $15^{\circ}50'$ S. on the decl. arc, and determine a meridian with the solar, and mark a point in the meridian thus determined by a tack in a stake driven firmly in the ground 5 chs. N. of my station. Nov. 6, 1911.

Nov. 7, 1911.

At 4h $22\frac{1}{2}'$ a.m., l.m.t., I observe Polaris at W. elongation, in accordance with instructions in the manual, and mark the line thus determined by a tack in a stake driven firmly in the ground 6 chs. N. of my station.

At 7h 55m a.m., l.m.t., I set off the Azimuth of Polaris, $1^{\circ}26'$ to the East, and mark the true meridian thus determined by a tack in the stake 5 chs. N. of my station, which point falls .35 ins. W. of the point in the meridian as determined by the solar on preceding afternoon. At 8h.0m, l.m.t.

Then I set off $35^{\circ}20'$ N. on the lat. arc, and $16^{\circ}02'$ S. on the decl. arc, and determine a meridian with the solar, and mark a point in the meridian thus determined by a tack in the stake 5 chs. N. of my station, which point falls .20 ins. W. of the point in the true meridian as determined by Polaris observation.

The solar apparatus, by p.m. & a.m. hours observations, defines positions for meridians about $20''$ E., and $11''$ W., respectively of the true meridian as determined by observation of Polaris; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h a.m. is N. $15^{\circ}50'$ W.; the angle thus determined gives the magnetic declination as $15^{\circ}50'$ E.

Knowing now that my instrument is in correct adjustment, I proceed to the cor. of Tps. 21 & 22 N., Rs. 8 & 9 W., which is an iron post 3 ins. in diam. 1 ft. above ground, with brass cap, marked and witnessed as described by the Surveyor-General, lat. $35^{\circ}14'49''$ N., long. $113^{\circ}09'57''$ W.

At this cor. at 9h 15m a.m., l.m.t., I set off $35^{\circ}15'$ N. on the lat. arc, and $16^{\circ}04'$ S. on the decl. arc, and determine a meridian with the solar, which meridian also agrees with the meridian just established by J.B. Wright at this point with instrument No. 3145.

From the cor. above described, I run, as per instruction, Var. $15^{\circ}50'$ E.

Chains.

- East, on S. bdy. of Tp., bet. secs. 6 & 31.
Over rolling grassy valley.
- 18.50 Asc. smooth ridge, brs. N. & S.
20.00 Enter dense pinon and cedar, brs. N. & S.
30.00 Top of ridge, brs. NNE. & SSW., desc.
36.00 Draw, 4 chs. wide, course NE., asc.
39.49 Allowing 51 lks. for convergency, as per instructions, at
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 31 in N., and
S 6 in S. half; from which,
A cedar tree 20 ins. diam. brs. N. $63\frac{1}{2}^{\circ}$ E. 156 lks. dist.,
marked $\frac{1}{4}$ S 31 B T.
A cedar tree 26 ins. diam. brs. S. 52° E. 244 lks. dist.,
marked $\frac{1}{4}$ S 6 B T.
- 43.00 Ridge, brs. NE. & SW., desc.
47.00 Leave timber, brs. NE. & SW., thence across small valley.
79.49 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
the ground for cor. of secs. 5, 6, 31 & 32, marked on
brass cap, T 22 N in N.,
T 21 N in S., and
R 8 W in W. half,
S 31 in NW.,
S 32 in NE.,
S 5 in SE., and
S 6 in SW. quad.; from which,
A cedar tree 18 ins. diam. brs. N. $11\frac{1}{2}^{\circ}$ E. 165 lks. dist.,
marked T 22 N R 8 W S 32 B T.
A cedar tree 12 ins. diam. brs. N. 43° W. 241 lks. dist.,
marked T 22 N R 8 W S 31 B T.
No other trees in limits;
Dig pits 18x18x12 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, rolling, mts. Soil, 3rd rate, gravelly, sandy, dry.
Cedar, pinon, sage brush, good native grass.
-
- East, bet. secs. 5 & 32.,
Over rolling land.
- 3.00 Leave valley, brs. NNE. & SSW., enter dense cedar and pinon.
asc.
12.00 Limestone ridge, brs. NE. & SW., desc.
30.00 Foot of ridge, leave dense timber, enter valley., brs. N. & S.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 32 in N., and
S 5 in S. half; from which,
A cedar tree 26 ins. diam. brs. N. $23\frac{1}{2}^{\circ}$ E. 313 lks. dist.,
marked $\frac{1}{4}$ S 32 B T.
A cedar tree 24 ins. diam. brs. S. $31\frac{1}{2}^{\circ}$ E. 181 lks. dist.,
marked $\frac{1}{4}$ S 5 B T.
At this cor., at noon, I set off $16^{\circ}06\frac{1}{2}'$ S. on the decl.
arc, and observe the sun on the meridian.
The resulting lat. is $35^{\circ}15'$ N.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
the ground for cor. of secs. 4, 5, 32 & 33, marked on
brass cap, T 22 N in N.,
T 21 N in S., and
R 8 W in W. half; from which,
S 32 in NW.,
S 33 in NE.,
S 4 in SE., and
S 5 in SW. quad.; from which,
A cedar tree 8 ins. diam. brs. N. $45\frac{1}{2}^{\circ}$ E. 56 lks. dist.,
marked T 22 N R 8 W S 33 B T.
A cedar tree 12 ins. diam. brs. S. $61\frac{1}{2}^{\circ}$ E. 80 lks. dist.,
marked T 21 N R 8 W S 4 B T.
A cedar tree 9 ins. diam. brs. N. $46\frac{1}{2}^{\circ}$ W. 49 lks. dist.,
marked T 22 N R 8 W S 32 B T.
No other bearings available.
Dig pits 18x18x12 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, rolling, mts. Soil, 3rd rate, sandy, gravelly.
Cedar, pinon, good grass.

Chains.

East, bet. secs. 34 & 33.

Over gently rolling valley, sparse cedar.

32.00 Leave valley, enter dense timber, brs. N. & S., asc.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 33 in N., and S 4 in S. half; from which,

A pinon tree 7 ins. diam. brs. N. 55 1/2 W. 16 lks. dist., marked 1/4 S 33 B T.

~~A cedar tree 10 ins. diam. brs. S. 15 1/2 W. 28 lks. dist., marked 1/4 S 4 B T.~~

64.30 Asc. abruptly 30 ft., over cliff, faces W.

72.00 Ridge, brs. N. & S., desc. grad. along E. slope.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 33 & 34, marked on brass cap, T 22 N in N., T 21 N in S., and R 8 W in W. half, S 33 in NW., S 3 1/2 in NE., S 3 in SE., and S 12 1/4 in SW. quad.; from which,

A pinon tree 9 ins. diam. brs. N. 45 1/2 E. 109 lks. dist., marked T 22 N R 8 W S 34 B T. 71

~~A cedar tree 6 ins. diam. brs. S. 36 1/2 E. 47 lks. dist., marked T 21 N R 8 W S 3 B T.~~

~~A pinon tree 9 ins. diam. brs. S. 71 1/2 W. 141 lks. dist., marked T 21 N R 8 W S 3 B T.~~

A cedar tree 7 ins. diam. brs. N. 78 1/2 W. 51 lks. dist., marked T 22 N R 8 W S 33 B T. 42

Land, rolling, mts. Soil, 3rd rate, sandy, gravelly, stony Cedar, pinon, sage brush, fair grass. Nov. 7, 1911.

Nov. 8, 1911.

At 8h a.m., l.m.t., at the above cor. on the S. bdy. of the Tp.,

I set off 16 1/2 19 1/2 S. on the decl. arc, and 35° 15' N. on the lat. arc, and determine a meridian with the solar. Thence I run,

East, bet. secs. 3 & 34.

Over mts. land, desc. grad. along E. slope, through heavy cedar and pinon.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 34 in N., and S 3 in S. half; from which,

A cedar tree 20 ins. diam. brs. N. 38 1/2 W. 75 lks. dist., marked 1/4 S 34 B T.

A cedar tree 24 ins. diam. brs. S. 21 1/2 E. 54 lks. dist., marked 1/4 S 3 B T.

70.00 Leave dense timber, brs. NNE. & SSW., thence desc. grad.

75.00 Foot of main slope, brs. NNE. & SSW., thence over rolling land.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 2, 3, 34 & 35, marked on brass cap, T 22 N in N.,

T 21 N in S., and R 8 W in W. half, S 34 in NW., S 35 in NE., S 2 in SE., and S 3 in SW. quad.;

No trees in limits,

Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, mts., rolling.

Soil, 3rd & 4th rate, gravelly, stony, dry.

Cedar, pinon, fair grass in places.

Note: For authority for red-ink corrections see Surveyor General's approval at the end of this book.

Chains.

East, bet. secs. 2 & 35.
 Over rolling land, through scattering cedar.
 28.00 Wash, 10 lks. wide, course SE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 35 in N., and S 2 in S. half; from which,
 A cedar tree 10 ins.diam.brs. N.71 $\frac{1}{2}$ °E. 95 lks. dist., marked $\frac{1}{4}$ S 35 B T.
 A cedar tree 8 ins.diam.brs. S.71 $\frac{1}{4}$ °W.131 lks. dist., marked $\frac{1}{4}$ S 2 B T.
 77.00 Soil changes to a lighter sandy loam, mixed with gravel.
 78.00 Enter valley, brs. N. & S., thence through scattering cedar and pinon.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 2, 35 & 36, marked on brass cap, T 22 N in N., T 21 N in S., and R 8 W in W. half, S 35 in NW., S 36 in NE., S 1 in SE., and S 2 in SW. quad.; from which,
 A cedar tree 12 ins.diam.brs. N.37 $\frac{3}{4}$ °W. 131 lks. dist., marked T 22 N R 8 W S 35 B T.
 A cedar tree 14 ins.diam.brs. S.39 $\frac{1}{4}$ °W. 171 lks. dist., marked T 21 N R 8 W S 2 B T.
 No other trees in limits.
 Dig pits 18x10x12 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, rolling. Soil, 3rd rate, gravelly, loose, dry.
 Cedar, pinon, fair grass.
 At this cor., at noon, I set off 16°24'S. on the decl. arc, and observe the sun on the meridian.
 The resulting lat. is 35°15'N.

East, bet. secs. 1 & 36.
 Over gently rolling land.
 7.05 Road, brs. N. & S., Fort Rock to Seligman.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 36 in N., and S 1 in S. half; from which,
 A cedar tree 16 ins.diam.brs. N.15 $\frac{1}{2}$ °W. 284 lks. dist., marked $\frac{1}{4}$ S 36 B T.
 A cedar tree 14 ins.diam.brs. S.31 $\frac{1}{4}$ °E. 142 lks. dist., marked $\frac{1}{4}$ S 1 B T.
 41.00 Leave valley, enter dense cedar, brs. N. & S.
 46.00 Asc. along S. end of ridge, soil 4th rate.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 21 & 22 N., Rs. 7 & 8 W.; marked on brass cap, T 22 N in N., R 7 W in E., T. 21 N in S., and R 8 W in W. half, S 36 in NW., S 31 in NE., S 6 in SE., and S 1 in SW. quad.; from which,
 A cedar tree 10 ins.diam.brs. N.73 $\frac{1}{2}$ °E. 129 lks. dist., marked T 22 N R 7 W S 31 B T.
 A cedar tree 8 ins.diam.brs. S.21°E. 114 lks. dist., marked T 21 N R 7 W S 6 B T.
 A cedar tree 6 ins.diam.brs. S.71°W. 95 lks. dist., marked T 21 N R 8 W S 1 B T.
 A cedar tree 6 ins.diam.brs. N.83 $\frac{1}{4}$ °W. 75 lks. dist., marked T 22 N R 8 W S 36 B T.
 Land, rolling.
 Soil, 3rd rate, gravelly, loose, dry, calcareous.
 Cedar, pinon sage brush fair grass.
 Nov. 8, 1911.

East Boundary T. 22 N., R. 8 W.

5

Chains.

Nov. 9, 1911.

At 8h a.m., l.m.t., at the cor. of Tps. 21 & 22 N., Rs. 7 & 8 W., established and described by me yesterday,

I set off $16^{\circ}30'S$. on the decl. arc, and $35^{\circ}15'E$. on the lat. arc, and determine a meridian with the solar. Thence I run, as per instructions,

North, on East bdy. of Tp., bet. secs. 31 & 36.

Over mts. land, asc. steep, stony malpais hill, through dense cedar and pinon.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 36 in W., and

S 31 in E. half; from which,

A cedar tree 9 ins. diam. brs. $S.56\frac{1}{2}^{\circ}E$. 27 lks. dist., marked $\frac{1}{4}$ S 31 B T.

A cedar tree 9 in. diam. brs. $S.84\frac{1}{2}^{\circ}W$. 41 lks. dist., marked $\frac{1}{4}$ S 36 B T.

60.50 Summit of mesa mountain, brs. E. & W., desc. grad.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 30, 31 & 36, marked on brass cap, T 22 N in N. half,

R 8 W S 25 in NW.,

R 7 W S 30 in NE.,

S 31 in SE., and

S 36 in SW. quad.; from which,

A pinon tree 7 ins. diam. brs. $N.7\frac{3}{4}^{\circ}E$. 28 lks. dist., marked T 22 N R 7 W S 30 B T.

A pinon tree 8 ins. diam. brs. $S.70^{\circ}E$. 60 lks. dist., marked T 22 N R 7 W S 31 B T.

A pinon tree 8 ins. diam. brs. $S.80^{\circ}W$. 36 lks. dist., marked T 22 N R 8 W S 36 B T.

A pinon tree 6 ins. diam. brs. $N.28^{\circ}W$. 73 lks. dist., marked T 22 N R 8 W S 25 B T.

Land, mts. Soil, 3rd & 4th rate, gravelly, stony.

Cedar, pinon, sparse grass.

North, bet. secs. 25 & 30.

Over mts. land, desc. N. slope of steep stony hill, through dense heavy cedar and pinon.

8.00 Drain 10 lks. wide, course NE., asc.

26.00 Ridge, brs. NE. & SW., desc.

31.00 Drain 10 lks. wide, course E., formation changes from limestone to malpais.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 25 in W., and

S 30 in E. half, from which,

A pinon tree 6 ins. diam. brs. $N.23\frac{3}{4}^{\circ}E$. 67 lks. dist., marked $\frac{1}{4}$ S 30 B T.

A cedar tree 9 ins. diam. brs. $S.86\frac{1}{2}^{\circ}W$. 36 lks. dist., marked $\frac{1}{4}$ S 25 B T.

At this cor., at noon, I set off $16^{\circ}41\frac{1}{2}'S$. on the decl. arc, and observe the sun on the meridian.

The resulting lat. is $35^{\circ}16'N$.

52.00 Ridge, brs. E. & W., desc.

68.00 Draw, 1 ch. wide, course NE., asc.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 19, 24, 25 & 30, marked on brass cap, T 22 N in N. half,

R 8 W S 24 in NW.,

R 7 W S 19 in NE.,

S 30 in SE., and

S 25 in SW. quad.; from which,

A pinon tree 8 ins. diam. brs. $N.60^{\circ}E$. 14 lks. dist., marked T 22 N R 7 W S 19 B T.

A cedar tree 10 ins. diam. brs. $S.67\frac{1}{2}^{\circ}E$. 69 lks. dist., marked T 22 N R 7 W S 30 B T.

A cedar tree 6 ins. diam. brs. $S.46\frac{1}{2}^{\circ}W$. 62 lks. dist., marked T 22 N R 8 W S 25 B T.

A cedar tree 9 ins. diam. brs. $N.43\frac{1}{2}^{\circ}W$. 38 lks. dist., marked T 22 N R 8 W S 24 B T.

Land, mts. Soil, 3rd rate, stony. Cedar, pinon, sparse grass.

| | |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chains | North, bet. secs. 19 & 24. Over mts. land, asc. S. slope of ridge, through heavy cedar and pinon. |
| 12.00 | Ridge, brs. E. & W., desc. |
| 18.00 | Drain 10 lks. wide, course W., asc. |
| 22.00 | Ridge, brs. NE. & SW., desc. |
| 40.00 | Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 in W., and S 19 in E. half; from which, A cedar tree 7 ins. diam. brs. N. $19\frac{1}{2}^{\circ}$ E. 21 lks. dist., marked $\frac{1}{4}$ S 19 B T. A cedar tree 9 ins. diam. brs. S. 30° W. 29 lks. dist., marked $\frac{1}{4}$ S 24 B T. |
| 44.00 | Draw 2 chs. wide, course NE., asc. |
| 55.00 | Ridge, brs. NE. & SW., desc. |
| 62.80 | Draw 50 lks. wide, course NE., asc. |
| 80.00 | Low saddle in ridge, brs. N. 80° W. & S. 80° E. Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 13, 18, 19 & 24, marked on brass cap, T 22 N in N. half, R 8 W S 13 in NW., R 7 W S 13 in NE., S 19 in SE., and S 24 in SW. quad; from which, A cedar tree 8 ins. diam. brs. N. $34\frac{3}{4}^{\circ}$ E. 52 lks. dist., marked T 22 N R 7 W S 13 B T. A cedar tree 8 ins. diam. brs. S. $41\frac{1}{2}^{\circ}$ E. 21 lks. dist., marked T 22 N R 7 W S 19 B T. A pinon tree 6 ins. diam. brs. S. 35° W. 51 lks. dist., marked T 22 N R 8 W S 24 B T. A pinon tree 3 ins. diam. brs. N. $73\frac{1}{4}^{\circ}$ W. 85 lks. dist., marked T 22 N R 8 W S 13 B T. Land, mts., rolling, broken. Soil, 3rd rate, calcareous. Cedar, pinon, fair grass. Nov. 9, 1911. |
| | Nov. 10, 1911. At 8h a.m., l.m.t., at the above corner, ... I set off $16^{\circ}54\frac{1}{2}'$ S. on the decl. arc, and $35^{\circ}17\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run, North, bet. secs. 13 & 18. Over mts. land, desc. NN. slope, through dense cedar. |
| 11.80 | Draw 75 lks. wide, course NE., asc. |
| 18.50 | Ridge, brs. NE. & SW., desc. |
| 20.60 | Draw, 50 lks. wide, course NE., asc. |
| 23.00 | Ridge, brs. NE. & SW., desc. |
| 40.00 | Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 13 in W., and S 18 in E. half; from which, A cedar tree 12 ins. diam. brs. S. $35\frac{1}{2}^{\circ}$ E. 210 lks. dist., marked $\frac{1}{4}$ S 13 B T. A cedar tree 14 ins. diam. brs. N. 46° W. 92 lks. dist., marked $\frac{1}{4}$ S 13 B T. |
| 41.00 | Leave cedar, brs. NE. & SW. |
| 44.80 | Road, brs. NE. & SW., Seligman to Fort Rock. |
| 46.00 | Draw, 100 lks. wide, course NE., asc. |
| 61.00 | Ridge, brs. NE. & SW., desc. |
| 66.00 | Draw, 50 lks. wide, course E., asc. through dense cedar. |
| 70.00 | Ridge, brs. E. & W., desc. |
| 76.00 | Draw, 75 lks. wide, course SE., asc. |
| 80.00 | Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 12, 13 & 18, marked on brass cap, T 22 N in N. half, R 8 W S 12 in NW., R 7 W S 7 in NE., S 18 in SE., and S 13 in SW. quad.; from which, A cedar tree 20 ins. diam. brs. N. 9° E. 200 lks. dist., marked T 22 N R 7 W S 7 B T. A cedar tree 18 ins. diam. brs. S. 64° E. 373 lks. dist., marked T 22 N R 7 W S 13 B T. A cedar tree 12 ins. diam. brs. S. $15\frac{3}{4}^{\circ}$ W. 235 lks. dist., marked T 22 N R 8 W S 13 B T. |

7

East Boundary T. 22 N., R. 8 W.

Chains.

- A cedar tree 9 ins.diam.brs. N.53 $\frac{1}{2}$ °W. 196 lks. dist.,
marked T 22 N R 8 W S 12 B T.
Land, rolling, broken, mts.
Soil, 3rd rate, stony, gravelly, dry.
Cedar, pinon, fair grass.
-
- North, bet. secs. 7 & 12.
Over mts. land, asc. SW. slope of ridge.
- 1.30 Ridge, brs. NW. & SE., desc.
5.00 Draw 30 lks. wide, course SE., asc.
23.00 Ridge, brs. NW. & SE., desc.
38.00 Draw 60 lks. wide, course SE., asc.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 12 in W., and
S 7 in E. half; from which,
A pinon tree 12 ins.diam.brs. N.4°E. 15 lks. dist.,
marked $\frac{1}{4}$ S 7 B T.
A cedar tree 7 ins.diam.brs. N.73 $\frac{1}{2}$ °W. 141 lks. dist.,
marked $\frac{1}{4}$ S 12 B T.
- 70.00 Top of ridge, brs. NW. & SE., desc. through burnt area of
timber.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
the ground for cor. of secs. 1, 6, 7 & 12, marked on
brass cap, T 22 N in N. half,
R 8 W S 1 in NW.,
R 7 W S 6 in NE.,
S 7 in SE., and
S 12 in SW. quad.; No trees available.
Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
Land, rolling, broken, mts.
Soil, 3rd rate, stony, gravelly, loose, dry.
Cedar, pinon, scrub oak, fair grass in places.
At this cor., at noon, I set off 16°59'S. on the decl.
arc, and observe the sun on the meridian.
The resulting lat. is 35°19' N.
-
- North, bet. secs. 1 & 6.
Over mts. land, desc. N. slope of ridge.
- 9.00 Draw 2 chs. wide, course NE., leave burnt area, asc.
through dense cedar and pinon.
- 13.00 Ridge, brs. NE. & SW., desc.
29.75 Draw 35 lks. wide, course SE., asc.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 1 in W., and
S 6 in E. half; from which,
A cedar tree 8 ins.diam.brs. N.65 $\frac{3}{4}$ °E. 96 lks. dist.,
marked $\frac{1}{4}$ S 6 B T.
A cedar tree 9 ins.diam.brs. S.45 $\frac{3}{4}$ °W. 117 lks. dist.,
marked $\frac{1}{4}$ S 1 B T.
- 56.00 Ridge, brs. NW. & SE., desc.
65.00 Draw 75 lks. wide, course SE., asc.
79.95 Top of ridge, brs. NW. & SE., desc.
80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
the ground for cor. of Tps. 22 & 23 N., Rs. 7 & 8 W.,
marked on brass cap, T 23 N in N., R 7 W in E., T 22 N in
S., and R 8 W in W. half;
S 36 in NW., S 31 in NE., S 6 in SE., and S 1 in SW. quad.;
from which,
A pinon tree 6 ins.diam.brs. N.46°E. 87 lks. dist.,
marked T 23 N R 7 W S 31 B T.
A pinon tree 8 ins.diam.brs. S.67°E. 51 lks. dist.,
marked T 22 N R 7 W S 6 B T.
A cedar tree 9 ins.diam.brs. S.72 $\frac{1}{2}$ °W. 35 lks. dist.,
marked T 22 N R 8 W S 1 B T.
A cedar tree 10 ins.diam.brs. N.54°W. 66 lks. dist.,
marked T 23 N R 8 W S 36 B T.
Land, mts., broken. Soil, 3rd rate, gravelly, stony.
Cedar, pinon, fair grass. Nov. 10, 1911.

- Chains Nov. 11, 1911.
 At 9h a.m., l.m.t., at the cor. of Tps. 22 & 23 N., Rs. 7 & 8 W., established and described by me yesterday, I set off $17^{\circ}13'S$. on the decl. arc, and $35^{\circ}20'N$. on the lat. arc, and determine a meridian with the solar. Thence I run, as per instructions.
 West, on a random line, on N. bdy. of Tp., setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40 and 80 chs. This line being very rough and heavily timbered, was completed on the 14th of Nov., 1911.
 At 5 miles 79.08 chs., I intersect the 2nd Guide meridian W. at a point 10 lks. N. of cor. of Tps. 22 & 23 N., Rs. 8 & 9 W., which is an iron post 3 ins. in diam. 1 ft. above ground, with brass cap, marked and witnessed as described by the Surveyor-General, whence I run, N. $89^{\circ}59'E$., on a true line, bet. secs. 6 & 31. Over gently rolling valley.
- 39.08 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 31 in N., and S 6 in S. half; from which, A cedar tree 14 ins. diam. brs. S. $87\frac{1}{4}^{\circ}W$. 232 lks. dist., marked $\frac{1}{4}$ S 6 B T. No other trees available. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 51.00 Small limestone ridge, brs. N. & S.
- 79.08 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 31 & 32, marked on brass cap, T 23 N in N., T 22 N in S., and R 8 W in W. half; S 31 in NW., S 32 in NE., S 5 in SE., and S 6 in SW. quad.; from which, A cedar tree 8 ins. diam. brs. N. $57^{\circ}E$. 264 lks. dist., marked T 23 N R 8 W S 32 B T. A cedar tree 12 ins. diam. brs. N. $13^{\circ}W$. 280 lks. dist., marked T 23 N R 8 W S 31 B T. Dig pits 18x18x12 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, rolling. Soil, 3rd rate, sandy, loose, dry. Few cedars.
- N. $89^{\circ}59'E$., bet. secs. 5 & 32. Over gently rolling land, asc. grad. along W. slope.
- 5.00 Enter scattering cedar, brs. NW. & SE.
- 26.00 Leave cedar, brs. N. & S.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 32 in N., and S 5 in S. half; No trees available. dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 78.00 Enter scattering cedar, brs. N. & S.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 32 & 33, marked on brass cap, T 23 N in N., T 22 N in S., & R 8 W in W. half, S 32 in NW., S 33 in NE., S 4 in SE., and S 5 in SW. quad.; from which, A cedar tree 8 ins. diam. brs. N. $22\frac{1}{4}^{\circ}E$. 222 lks. dist., marked T 23 N R 8 W S 33 B T. A cedar tree 30 ins. diam. brs. S. $1\frac{1}{4}^{\circ}E$. 197 lks. dist., marked T 22 N R 8 W S 4 B T. A cedar tree 10 ins. diam. brs. S. $32\frac{1}{4}^{\circ}W$. 160 lks. dist., marked T 22 N R 8 W S 5 B T. A cedar tree 7 ins. diam. brs. N. $72\frac{1}{4}^{\circ}W$. 222 lks. dist., marked T 23 N R 8 W S 32 B T. Land, rolling. Soil, 3rd rate, sandy, gravelly, dry. Cedar, pinon, fair grass. At this cor., at noon, I set off $18^{\circ}04\frac{1}{2}'S$. on the decl. arc, and observe the sun on the meridian. The resulting lat. is $35^{\circ}20'N$.

Chains

N. 89° 59' E., bet. secs. 4 & 33.
 Over mts. land, asc. grad. along N. side of ridge.
 39.00 Enter draw, course NNW.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 33 in N., and
 S 4 in S. half; from which,
 A cedar tree 12 ins. diam. brs. N. 76 $\frac{1}{2}$ ° W. 51 lks. dist.,
 marked $\frac{1}{4}$ S 33 B T.
 A pinon tree 7 ins. diam. brs. S. 37 $\frac{1}{4}$ ° E. 50 lks. dist.,
 marked $\frac{1}{4}$ S 4 B T.
 44.00 Leave draw, asc. through very dense cedar and pinon.
 54.00 Ridge, brs. NW. & SE., desc.
 62.00 Draw, 75 lks. wide, course NW., asc. along N. side of ridge.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of secs. 3, 4, 33 & 34, marked on
 brass cap, T 23 N in N., T 22 N in S. & R 8 W in W. half,
 S 33 in NW.,
 S 34 in NE.,
 S 3 in SE., and
 S 4 in SW. quad.; from which,
 A cedar tree 20 ins. diam. brs. N. 52° E. 158 lks. dist.,
 marked T 23 N R 8 W S 34 B T.
 A cedar tree 7 ins. diam. brs. S. 33° E. 61 lks. dist.,
 marked T 22 N R 8 W S 3 B T.
 A cedar tree 8 ins. diam. brs. S. 72° W. 53 lks. dist.,
 marked T 22 N R 8 W S 4 B T.
 A pinon tree 8 ins. diam. brs. N. 40 $\frac{1}{4}$ ° W. 54 lks. dist.,
 marked T 23 N R 8 W S 33 B T.
 Land, mts., broken.
 Soil, 3rd rate, gravelly, calcareous.
 Dense heavy cedar and pinon, fair grass.

N. 89° 59' E., bet. secs. 3 & 34.
 Over mts. land, asc. through dense cedar and pinon.
 2.00 Ridge, brs. SW. & ENE., desc.
 10.00 Draw, 2 chs. wide, course NW., asc.
 28.00 Ridge, brs. N. & S., divide, desc.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 34 in N., and
 S 3 in S. half; from which,
 A cedar tree 7 ins. diam. brs. N. 30 $\frac{1}{2}$ ° W. 39 lks. dist.,
 marked $\frac{1}{4}$ S 34 B T.
 A cedar tree 8 ins. diam. brs. S. 0 $\frac{3}{4}$ ° E. 19 lks. dist.,
 marked $\frac{1}{4}$ S 3 B T.
 44.00 Draw 2 chs. wide, course SE., asc.
 56.00 Ridge, brs. N. & S., desc.
 66.00 Draw, 2 chs. wide, course S., asc.
 68.00 Ridge, brs. N. & S., desc.
 71.25 Wash, 10 lks. wide, course S., asc.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of secs. 2, 3, 34 & 35, marked on
 brass cap, T 23 N in N., T 22 N in S. & R 8 W in W. half,
 S 34 in NW.,
 S 35 in NE.,
 S 2 in SE., and
 S 3 in SW. quad.; from which,
 A pinon tree 9 ins. diam. brs. N. 64 $\frac{1}{4}$ ° E. 60 lks. dist.,
 marked T 23 N R 8 W S 35 B T.
 A pinon tree 8 ins. diam. brs. S. 53 $\frac{1}{2}$ ° E. 54 lks. dist.,
 marked T 22 N R 3 W S 2 B T.
 A pinon tree 10 ins. diam. brs. S. 65 $\frac{1}{2}$ ° W. 62 lks. dist.,
 marked T 22 N R 8 W S 3 B T.
 A cedar tree 7 ins. diam. brs. N. 83° W. 84 lks. dist.,
 marked T 23 N R 8 W S 34 B T.
 Land, rolling, broken, mts.
 Soil, 3rd rate, gravelly, loose, dry, calcareous.
 Cedar, pinon, fair grass.

Chains. N. 89°59' E., bet. secs. 2 & 35.
 Over mts. land, asc. through heavy cedar and pinon.
 9.00 Ridge, brs. N. & S., desc.
 55.00 Draw, 50 lks. wide, course N., asc.
 20.00 Ridge, brs. N. & S., desc.
 39.75 Wash, 20 lks. wide, course NE., asc.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for ¼ sec. cor., marked on brass cap,
 ¼ S 35 in N., and
 S 2 in S. half; from which,
 A cedar tree 28 ins.diam.brs. N.41°E. 46 lks. dist.,
 marked ¼ S 35 B T.
 A cedar tree 8 ins.diam.brs. S.17°E. 35 lks. dist.,
 marked ¼ S 2 B T.
 53.00 Ridge, brs. N. & S., desc.
 62.50 Wash, 10 lks. wide, course SE., asc.
 69.00 Ridge, brs. SE. & NW., desc.
 73.75 Wash, 75 lks. wide, course SE., asc.
 75.00 Ridge, brs. SE. & NW., desc.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of secs. 1,2,35 & 36, marked on
 brass cap, T 23 N in N., T 22 N in S., & R 8 W in W. half,
 S 35 in NW., S 36 in NE., S 1 in SE., and S 2 in SW.quad.;
 from which,
 A cedar tree 9 ins.diam.brs. N.19½°E. 68 lks. dist.,
 marked T 23 N R 8 W S 35 B T.
 A cedar tree 9 ins.diam.brs. S.61¼°E. 66 lks. dist.,
 marked T 22 N R 8 W S 1 B T.
 A cedar tree 8 ins.diam.brs. S.53½°W.123 lks.dist.,
 marked T 22 N R 8 W S 2 B T.
 A pinon tree 8 ins.diam.brs. N.49½°W. 50 lks. dist.,
 marked T 23 N R 8 W S 35 B T.
 Land, broken, mts. Soil, 3rd rate, dry, gravelly, loose.
 Cedar pinon, good grass in places.

N. 89°59' E., bet. secs. 1 & 36.
 Over broken land, through heavy cedar.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for ¼ sec. cor., marked on brass cap,
 ¼ S 36 in N., and
 S 1 in S. half; from which,
 A cedar tree 14 ins.diam.brs. N.44°E. 52 lks. dist.,
 marked ¼ S 36 B T.
 A cedar tree 9 ins.diam.brs. S.58½°W. 77 lks. dist.,
 marked ¼ S 1 B T.
 74.00 Draw, 1 ch. wide, course SE., asc.
 80.00 To cor. of Tps. 22 & 23 N., Rs. 7 & 8 W., hereinbefore described.
 Land, rolling. Soil, 3rd rate, gravelly.
 Cedar, pinon, good grass.

Nov. 14, 1911.

General Description.

The S., E., and N. bdrs. of T. 22 N., R. 8 W. run over
 a broken or mts. country covered in general with heavy
 cedar and pinon. The land is good grazing range, but
 of no agricultural value. There is no water on or near
 these lines. No settlers or indications of occupation.

T. 22 N., R. 8 W., Latitudes, departures and closing errors.

| Line designated. | True bearing. | Dist. Chs. | Latitudes. | | Departures. | |
|---------------------|---------------|------------|------------|---------|-------------|---------|
| | | | N. Chs. | S. Chs. | E. Chs. | W. Chs. |
| South Boundary, | West, | 479.49 | ----- | ----- | ----- | 479.49 |
| 2nd Gd. Mer. W. | North, | 480.00 | 480.00 | ----- | ----- | ----- |
| North Boundary, | N.89°59'E. | 479.08 | 0.14 | ----- | 479.08 | ----- |
| East Boundary, | South, | 480.00 | ----- | 480.00 | ----- | ----- |
| Convergency, | ----- | ----- | ----- | ----- | 0.51 | ----- |
| Totals, | ----- | ----- | 480.14 | 480.00 | 479.59 | 479.49 |
| Error in Latitude, | ----- | ----- | 480.00 | ----- | 479.49 | ----- |
| Error in Departure, | ----- | ----- | ----- | ----- | 0.10 | ----- |

Nov. 14, 1911.

William H. Elliott

U.S. Surveyor.

East Boundary T. 23 N., R. 8 W.

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| Chains. | <p>Dec. 8, 1911. At 8h a.m., l.m.t., at the cor. of Tps. 22 & 23 N., Rs. 7 & 8 W., as established by me and hereinbefore described, I set off 22°35' S. on the decl. arc, and 35°20' N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per instructions..</p> <p>North, on East bdy. of Tp., bet. secs. 31 & 36. Over high rolling land, through dense heavy cedar and pinon.</p> <p>18.00 S. bank of deep draw, course NE., 32.00 N. bank of draw.</p> <p>40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 36 in W., and S 31 in E. half, from which, A cedar tree 8 ins.diam.brs. N.32°W. 52 lks. dist., marked $\frac{1}{4}$ S 36 B T. A pinon tree 8 ins.dia.brs. N.50°E. 194 lks.dist., marked $\frac{1}{4}$ S 31 B T.</p> <p>63.00 Draw 2 chs. wide, course NE. 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25,30,31 & 36, marked on brass cap, T 23 N in N. half, R 8 W S 25 in NW., R 7 W S 30 in NE., S 31 in SE., and S 36 in SW. quad.; from which, A cedar tree 14 ins.diam.brs. N.55$\frac{1}{2}$°E. 99 lks. dist., marked T 23 N R 7 W S 30 B T. A cedar tree 14 ins.diam.brs. S.79$\frac{1}{2}$°E. 74 lks. dist., marked T 23 N R 7 W S 31 B T. A cedar tree 8 ins.diam.brs. S.35$\frac{1}{4}$°W.216 lks. dist., marked T 23 N R 8 W S 36 B T. A cedar tree 10 ins.diam.brs. N.20$\frac{1}{2}$°W. 183 lks.dist., marked T 23 N R 8 W S 25 B.T.</p> <p>Land, rolling, broken, Soil, 3rd rate, gravelly, dry. Cedar, pinon, good grass in places.</p> <hr/> <p>North, bet. secs. 25 & 30. Over high rolling land, through heavy cedar and pinon.</p> <p>40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap , $\frac{1}{4}$ S 25 in W., and S 30 in E. half; from which, A cedar tree 14 ins.diam.brs. S.40$\frac{1}{2}$°E. 88 lks. dist., marked $\frac{1}{4}$ S 30 B T. A cedar tree 10 ins.diam.brs. N.72°W. 235 lks. dist., marked $\frac{1}{4}$ S 25 B T.</p> <p>42.00 Ridge, brs. NE. & SW., desc. 61.00 Draw 2 chs. wide, course NE., asc. 73.70 Ridge, brs. NE. & SW., desc. 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 19,24,25 & 30, marked on brass cap, T 23 N in N. half, R 8 W S 24 in NW., R 7 W S 19 in NE., S 30 in SE., and S 25 in SW. quad.; from which, A cedar tree 18 ins.diam.brs. N.58$\frac{1}{2}$°E. 136 lks. dist., marked T 23 N R 7 W S 19 B T. A cedar tree 10 ins.diam.brs. S.78$\frac{3}{4}$°E. 185 lks. dist., marked T 23 N R 7 W S 30 B T. A cedar tree 12 ins.diam.brs. S.32$\frac{1}{4}$°W. 89 lks. dist., marked T 23 N R 8 W S 25 B T. A cedar tree 9 ins.diam.brs. N.86$\frac{1}{4}$°W. 173 lks. dist., marked T 23 N R 8 W S 24 B T.</p> <p>Land, rolling. Soil, 3rd rate, gravelly, dry, loose. Cedar, pinon, good grass. At this cor. at noon, I set off 22°39' S. on the decl. arc and observe the sun on the meridian. The resulting lat. is 35°22' N.</p> |
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Chains.

North, bet. secs. 19 & 24.
 Over high rolling land, desc. NW. slope of ridge, through heavy cedar and pinon.

2.00 Draw, 3 chs. wide, course NE., asc.
 8.00 Ridge, brs. NE. & SW., desc.
 36.00 Draw 6 chs. wide, course NW., asc.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 in W., and S 19 in E. half; from which,
 A cedar tree 14 ins.diam.brs. S.35 $\frac{1}{4}$ °E. 188 lks. dist., marked $\frac{1}{4}$ S 19 B T.
 A cedar tree 8 ins.diam.brs. N.85 $\frac{1}{4}$ °W. 33 lks. dist., marked $\frac{1}{4}$ S 24 B T.

62.00 Ridge, brs. NE. & SW., desc.
 73.50 Drain 10 lks. wide, course NE.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 13,18,19 & 24, marked on brass cap, T 23 N in N. half,
 R 8 W S 13 in NW.,
 R 7 W S 18 in NE.,
 S 19 in SE., and
 S 24 in SW. quad.; from which,
 A cedar tree 14 ins.diam.brs. N.74°E. 134 lks. dist., marked T 23 N R 7 W S 18 B T.
 A cedar tree 8 ins.diam.brs. S.45 $\frac{1}{4}$ °E. 174 lks. dist., marked T 23 N R 7 W S 19 B T.
 A pinon tree 12 ins.diam.brs. S.49 $\frac{1}{4}$ °W. 171 lks.dist., marked T 23 N R 8 W S 24 B T.
 A cedar tree 8 ins.diam.brs. N.56 $\frac{1}{2}$ °W. 71 lks. dist., marked T 23 N R 8 W S 13 B T.

Land, rolling, broken.
 Soil, 3rd rate, gravelly, calcareous.
 Cedar pinon, scrub oak, fair grass. Dec. 8, 1911.

Dec. 9, 1911.

At 8h.a.m., l.m.t., at the cor. of secs. 13,18,19 & 24, I set off 22°42' S. on the decl. arc, and 35°22 $\frac{1}{2}$ ' N. on the lat. arc, and determine a meridian with the solar. Thence I run,
 North, bet. secs. 13 & 18.
 Over rolling limestone ridges, through scattering cedar and pinon.

29.00 Draw 1 ch. wide, course NE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 13 in W., and S 18 in E. half, from which,
 A cedar tree 6 ins.diam.brs. N.75 $\frac{1}{4}$ °E. 30 lks. dist., marked $\frac{1}{4}$ S 18 B T.
 A cedar tree 7 ins.diam.brs. N.51 $\frac{1}{4}$ °W. 83 lks. dist., marked $\frac{1}{4}$ S 13 B T.

79.60 Wash, 10 lks. wide, course NW.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 7,12,13 & 18, marked on brass cap, T 23 N in N. half,
 R 8 W S 12 in NW.,
 R 7 W S 7 in NE.,
 S 18 in SE., and
 S 13 in SW. quad.; from which,
 A cedar tree 8 ins.diam.brs. N.38 $\frac{1}{2}$ °E. 55 lksd.dist., marked T 23 N R 7 W S 7 B T.
 A cedar tree 25 ins.diam.brs. S.34 $\frac{3}{4}$ °E.126 lks. dist., marked T 23 N R 7 W S 18 B T.
 A cedar tree 8 ins.diam.brs. S.64 $\frac{1}{4}$ °W.367 lks.dist., marked T 23 N R 8 W S 13 B T.
 A cedar tree 9 ins.diam.brs. N.65 $\frac{1}{4}$ °W. 51 lks. dist., marked T 23 N R 8 W S 12 B T.

Land, rolling, broken.
 Soil, 3rd rate, gravelly, calcareous, dry.
 Cedar, pinon, good grass.

Chains.

North, bet. secs. 7 & 12.
 Over rolling land, through scattering cedar, desc. grad.
 26.00 Leave cedar, brs. E. & W., enter gently rolling land.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 12 in W., and
 S 7 in E. half;
 dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of secs. 1, 6, 7 & 12, marked on
 brass cap, T 23 N in N. half,
 R 8 W S 1 in NW.
 R 7 W S 6 in NE.,
 S 7 in SE., and
 S 12 in SW. quad.;
 dig pits 18x18x12 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, rolling. Soil, 3rd rate, sandy, gravelly, dry, loose.
 Cedar, few pinons, sage brush, good native grass.
 At this cor. at noon, clouds obscure the sun, impracticable
 to observe the latitude.

North, bet. secs. 1 & 6.
 Over rolling land, desc. gently, grassy valley.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 1 in W., and
 S 6 in E. half;
 dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of Tps. 23 & 24 N., Rs. 7 & 8 W.,
 marked on brass cap,
 T 24 N in N.,
 R 7 W in E.,
 T 23 N in S., and
 R 8 W in W. half,
 S 36 in NW.,
 S 31 in NE.,
 S 6 in SE., and
 S 1 in SW. quad.;
 dig pits 24x24x12 ins., on each line, N., E., and W. 4
 ft., and S. of cor. 3 ft. dist., and
 raise a mound of earth 5 ft. base, $2\frac{1}{2}$ ft. high S. of cor.
 Land, gently rolling.
 Soil, 3rd rate, gravelly, sandy, loose, dry.
 Sage brush, few cacti, good native grass.
 Dec. 9, 1911.

Chains

Dec. 11, 1911.

At 8h a.m., l.m.t., at the cor. of Tps. 23 & 24 N., Rs. 7 & 8 W., recently established by me yesterday

I set off $22^{\circ}53'$ S. on the decl. arc, and $35^{\circ}25'$ N. on the lat. arc, and determine a meridian with the solar.

Thence I run, as per instructions,

West, on a random line, on N. bdy. of Tp.

At 5 miles 78.95 chs., I intersect 2nd Guide Mer. W. at a point 14 lks. N. of cor. of Tps. 23 & 24 N., Rs. 8 & 9

W., which is an iron post 3 ins. in diam. 1 ft. above ground, with brass cap, marked and witnessed as described

by the Surveyor-General, whence I run,

N. $89^{\circ}59'$ E., on a true line, bet. secs. 6 & 31.

Over gently rolling land, descending,

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

$\frac{1}{4}$ S 31 in N., and

S 6 in S. half;

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

58.00 Enter cedar and pinon, brs. N. & S., asc. grad. along W. slope.

78.95 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 31 & 32, marked on brass cap, T 24 N in N.,

T 23 N in S., and

R 8 W in W. half; from

S 31 in NW.,

S 32 in NE.,

S 5 in SE., and

S 6 in SW. quad.; from which,

A cedar tree 7 ins. diam. brs. N. $25\frac{1}{2}^{\circ}$ E. 41 lks. dist., marked T 24 N R 8 W S 32 B T.

A cedar tree 6 ins. diam. brs. S. $43\frac{3}{4}^{\circ}$ E. 36 lks. dist., marked T 23 N R 8 W S 5 B T.

A cedar tree 8 ins. diam. brs. S. $54\frac{3}{4}^{\circ}$ W. 175 lks. dist., marked T 23 N R 8 W S 6 B T.

A pinon tree 10 ins. diam. brs. N. $65\frac{1}{4}^{\circ}$ W. 200 lks. dist., marked T 24 N R 8 W S 31 B T.

Land, rolling. Soil, 3rd rate, gravelly, dry, loose.

Some cedar, pinon, sage brush, few cacti, good grass.

N. $89^{\circ}59'$ E., bet. secs. 5 & 32.

Over gently rolling land, asc. grad., through cedar.

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

$\frac{1}{4}$ S 32 in N., and

S 5 in S. half; from which,

A cedar tree 8 ins. diam. brs. N. $74\frac{1}{4}^{\circ}$ W. 92 lks. dist., marked $\frac{1}{4}$ S 32 B T.

A pinon tree 9 ins. diam. brs. S. 31° W. 76 lks. dist., marked $\frac{1}{4}$ S 5 B T.

62.00 Ridge, brs. N. & S., desc. steep.

79.00 Draw 2 chs. wide, course NW., asc.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 32 & 33, marked on brass cap, T 24 N in N.,

T 23 N in S., and

R 8 W in W. half;

S 32 in NW.,

S 33 in NE.,

S 4 in SE., and

S 5 in SW. quad.; from which,

A cedar tree 9 ins. diam. brs. N. $5\frac{3}{4}^{\circ}$ W. 266 lks. dist., marked T 24 N R 8 W S 32 B T.

No other trees available.

Dig pits $18 \times 18 \times 12$ 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, rolling.

Soil, 3rd rate, sandy, gravelly, light, loose, dry.

Few cedars, pinons, sage brush, cacti, good native grass.

Dec. 11, 1911.

Chains.

Dec. 12, 1911.

At 8h a.m., l.m.t., at the above described corner,
I set off $22^{\circ}58'$ S. on the decl. arc, and $35^{\circ}25'$ N. on
the lat. arc, and determine a meridian with the solar.
Thence I run,

N. $89^{\circ}59'$ E., bet. secs. 4 & 33.

Over rolling land, through scattering cedar and pinon.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 33 in N., and

S 4 in S. half; from which,

A cedar tree 10 ins. diam. brs. N. $21\frac{1}{2}^{\circ}$ W. 139 lks. dist.,
marked $\frac{1}{4}$ S 33 B T.

A cedar tree 9 ins. diam. brs. S. 65° E. 132 lks. dist.,
marked $\frac{1}{4}$ S 4 B T.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
the ground for cor. of secs. 3, 4, 33 & 34, marked on
brass cap, T 24 N in N. half,

T 23 N in S., and

R 8 W in W. half,

S 33 in NW.,

S 34 in NE.,

S 3 in SE., and

S 4 in SW. quad.; No trees in limits.

dig pits $18 \times 18 \times 12$ 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, rolling.

Soil, 3rd rate, gravelly, sandy, loose, dry, light.

Sparse cedar, sage brush, few cacti, good grass.

N. $89^{\circ}59'$ E., bet. secs. 3 & 34.

Over gently rolling land, through scattering cedar.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 34 in N., and

S 3 in S. half; from which,

A pinon tree 7 ins. diam. brs. N. $75\frac{1}{4}^{\circ}$ E. 54 lks. dist.,
marked $\frac{1}{4}$ S 34 B T.

A cedar tree 9 ins. diam. brs. S. $57\frac{1}{2}^{\circ}$ E. 35 lks. dist.,
marked $\frac{1}{4}$ S 3 B T.

76.00 Top of rise, brs. N. & S., desc. grad.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
the ground for cor. of secs. 2, 3, 34 & 35, marked on
brass cap, T 24 N in N.,

T 23 N in S., and

R 8 W in W. half,

S 34 in NW.,

S 35 in NE.,

S 2 in SE., and

S 3 in SW. quad.; from which,

A pinon tree 14 ins. diam. brs. N. $73\frac{1}{4}^{\circ}$ E. 182 lks. dist.,
marked T 24 N R 8 W S 35 B T.

A cedar tree 8 ins. diam. brs. S. $27\frac{3}{4}^{\circ}$ E. 122 lks. dist.,
marked T 23 N R 8 W S 2 B T.

A cedar tree 12 ins. diam. brs. S. $40\frac{1}{2}^{\circ}$ W. 140 lks. dist.,
marked T 23 N R 8 W S 3 B T.

A cedar tree 16 ins. diam. brs. N. $60\frac{3}{4}^{\circ}$ W. 298 lks. dist.,
marked T 24 N R 8 W S 34 B T.

Land, rolling.

Soil, 3rd rate, gravelly, sandy, loose, dry.

Spattering cedar, pinon, cacti, good grass.

At this cor., at noon, I set off $23^{\circ}01\frac{1}{2}'$ S. on the decl.
arc, and observe the sun on the meridian.

The resulting lat. is $35^{\circ}25'$ N.

Chains.

N. 89°59' E., bet. secs. 2 & 35.
 Over gently rolling land, desc. slightly.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 6 ins. in the ground on bed-rock, in mound of stone for ¼ sec.cor., marked on brass cap,
 ¼ S 35 in N., and
 S 2 in S. half; from which,
 A cedar tree 20 ins.diam.brs. N.82°E. 123 lks. dist., marked ¼ S 35 B T.
 A cedar tree 18 ins.diam.brs. S.23°W. 85 lks. dist., marked ¼ S 2 B T.
 46.00 Leave cedar, brs. NNW. & SSE., desc. gently in valley.
 30.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1,2,35 & 36, marked on brass cap, T 24 N in N.,
 T 23 N in S., and
 R 8 W in W. half,
 S 35 in NW.,
 S 36 in NE.,
 S 1 in SE., and
 S 2 in SW. quad.; No trees available,
 dig pits 18x18x12 ins. in each sec. 5½ ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high W.of cor. Land, rolling. Soil, 3rd rate, gravelly, sandy, loose,dry. Sparse cedar, pinon, sage brush, few cacti, good grass.

N. 89°59' E., bet. secs. 1 & 36.
 Over gently undulating valley.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap,
 ¼ S 36 in N., and
 S 1 in S. half;
 dig pits 18x18x12 ins. E. & W. of cor. 3 ft.dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N.of cor.
 30.00 To cor. of Tps. 23 & 24 N., Rs. 7 & 8 W, hereinbefore described. Land, rolling gently. Soil, 3rd rate, gravelly, sandy, dry. Sage brush, few cacti, good grass.

General Description.

The East and North Boundaries of T. 23 N., R. 8 W. run over a broken or rolling country well covered in places with native grass, cedar and pinon. There is no water on or near this line, nor any traces or indications of settlement or occupation. The land is of no value except for grazing purposes. No indications of mineral noted.

T. 23 N., R. 8 W., Latitudes, departures and closing errors.

| Line Designated. | True bearing. | Dist. Chs. | Latitudes. | | Departures. | |
|---------------------|---------------|------------|------------|---------|-------------|---------|
| | | | N. Chs. | S. Chs. | E. Chs. | W. Chs. |
| South Boundary, | S.89°59'W. | 479.08 | ----- | --0.14 | ----- | 479.08 |
| 2nd Gd.Mer. W. | North, | 480.00 | 480.00 | ----- | ----- | ----- |
| North Boundary, | N.89°59'E. | 478.95 | 0.14 | ----- | 478.95 | ----- |
| East Boundary, | South, | 480.00 | ----- | 480.00 | ----- | ----- |
| Convergency, | ----- | ----- | ----- | ----- | --0.51 | ----- |
| Totals, | ----- | ----- | 480.14 | 480.14 | 479.46 | 479.08 |
| | | | 480.14 | ----- | 479.08 | ----- |
| Error in Latitude, | ----- | ----- | 0.00 | ----- | ----- | ----- |
| Error in Departure, | ----- | ----- | ----- | ----- | -0.33 | ----- |

Dec. 12, 1911.

William A. Elliott
 U. S. Surveyor.

Chains

Dec. 13, 1911.
At 8h a.m., l.m.t., at the cor. of Tps. 23 & 24 N., Rs. 7 & 8 W., as recently established by me yesterday.

I set off 23°02½' S. on the decl. arc, and 35°25' N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per instructions,

North, on E. bdy. of Tp., bet. secs. 31 & 36.

Over gently undulating valley, desc. slightly.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, ¼ S 36 in W., and S 31 in E. half;

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.

42.28 Telegraph line, parallel to R.R. below.

Mile post No. 442 is 42 lks. to SE.

45.28 Centre of single track, main line of Atchison, Topeka & Santa Fe Railroad, brs. N. 56°09' W. & S. 56°09' E.

44.05 Telegraph line, parallel to R.R.

66.15 Road, brs. NW. & SE., Seligman to Nelson and Kingman.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 30, 31 & 36, marked on brass cap, T 24 N in N. half, R 8 W S 25 in NW., R 7 W S 30 in NE., S 31 in SE., and S 36 in SW. quad.; no trees available,

dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, rolling.
Soil, 3rd rate, gravelly, dry, loose, sandy.
Sage brush, cacti, good native grass.

North, bet. secs. 25 & 30.

Over gently undulating valley.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, ¼ S 25 in W., and S 30 in E. half;

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 19, 24, 25 & 30, marked on brass cap, T 24 N in N. half, R 8 W S 24 in NW., R 7 W S 19 in NE., S 30 in SE., and S 25 in SW. quad.;

dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, rolling gently.
Soil, 3rd rate, gravelly, sandy, dry, loose.
Sage brush, cacti, good native grass.

Chains.

- North, bet. secs. 19 & 24.
Over gently undulating, grassy valley.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 24 in W., and
S 19 in E. half;
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 13, 10, 19 & 24, marked on brass cap, T 24 N in N. half,
R 8 W S 13 in NW.,
R 7 W S 18 in NE.,
S 19 in SE., and
S 24 in SW. quad.;
- dig pits 18x18x12 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, gently undulating.
Soil, 2nd & 3rd rate, sandy, gravelly, loose, light, dry.
Sage brush, few cacti, good grass.
At this cor. at noon, I set off $23^{\circ}06'$ S. on the decl. arc, and observe the sun on the meridian.
The resulting lat. is $35^{\circ}28'$ N.

- North, bet. secs. 13 & 18.
Over gently undulating valley.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 13 in W., and
S 18 in E. half;
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 7, 12, 13 & 18, marked on brass cap, T 24 N in N. half,
R 8 W S 12 in NW.,
R 7 W S 7 in NE.,
S 18 in SE., and
S 13 in SW. quad.;
- dig pits 18x18x12 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, gently rolling.
Soil, 3rd rate, sandy, gravelly, loose, dry.
Sage brush, cacti, good grass.

- North, bet. secs. 7 & 12.
Over gently undulating, grassy valley.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 12 in W., and
S 7 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 6, 7 & 12, marked on brass cap, T 24 N in N. half,
R 8 W S 1 in NW.,
R 7 W S 6 in NE.,
S 7 in SE., and
S 12 in SW. quad.;
- dig pits 18x18x12 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, rolling.
Soil, 3rd rate, sandy, loose, dry.
Sage brush, cacti, good grass.

East Boundary T. 24 N., R. 8 W.

Chains.

North, bet. secs. 1 & 6.
 Over gently undulating valley.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 1 in. W., and S 6 in E. half; dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

44.00 Road, brs. NW. & SE.

73.06 Intersect 6th Standard Parallel North at a point, whence Standard cor. of secs. 31 & 32, T. 25 N., R. 7 W., brs. East, 21.14 chs. dist., which is an iron post 3 ins. in diam. 1 ft. above ground, with brass cap, marked and witnessed as described by the Surveyor-General.

Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for closing cor. of Tps. 24 N., Rs. 7 & 8 W., marked on brass cap,
 C C S. of centre,
 T 25 N R 7 W, S 31, S 32, in N. half, and
 T 24 N in S. half,
 S 6, R 7 W in SE., and
 S 1, R 8 W in SW. quad.;
 dig pits 24x18x12 ins., crosswise on each line, E. & W. 4 ft., and S. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, $2\frac{1}{2}$ ft. high S. of cor.

Land, gently undulating.
 Soil, 3rd rate, sandy, loose, dry.
 Sage brush, cacti, good grass.

General Description

The East bdy. of T. 24 N., R. 8 W. runs over a gently rolling or undulating valley, drainage along the line to the NE.

The soil is a good sandy loam, and would produce well when watered.

No water is available for irrigation, the land being of no value except for grazing purposes.

T.24N:R.8W. Latitudes, departures, and closing errors.

| Line Designated. | True bearing. | Dist. Chs. | Latitudes. | | Departures. | |
|-------------------|---------------|------------|------------|---------|-------------|---------|
| | | | N. Chs. | S. Chs. | E. Chs. | W. Chs. |
| South Boundary, | S. 89° 59' W. | 478.95 | ----- | --0.14 | ----- | 478.95 |
| 2nd Gd. Mer. W., | North, | 473.49 | 473.49 | ----- | ----- | ----- |
| 6th Std. Par. N., | East, | 478.04 | ----- | ----- | 478.04 | ----- |
| East Boundary, | South, | 473.06 | ----- | 473.06 | ----- | ----- |
| Convergency, | ----- | ----- | ----- | ----- | --0.51 | ----- |
| Totals, | | ----- | 473.49 | 473.20 | 478.55 | 478.95 |
| | | | 473.20 | ----- | ----- | 478.55 |

Error in Lat. -----0.29 Error in dep., ---0.40

Dec. 13, 1911.

William H. Collins
 U. S. Surveyor.

Chains

Jan. 11, 1912.
 At 8h 30m a.m., l.m.t., at the Std. c6r. of Tps. 25 N.,
 Rs. 7 & 8 W., which is an iron post 3 ins. in diam. 1
 ft. above ground, with brass cap, marked and witnessed
 as described by the Surveyor-General,
 lat. 35°30'34"N., long. 113°04'50"W.,
 I set off 35°30½'N. on the lat. arc, and 21°54'S. on the
 decl. arc, and determine a meridian with the solar.
 Thence I run, as per instructions,
 Var. 16°E.

North, on range line, bet. secs. 31 & 36.
 over gently undulating valley, sage brush, cacti,
 good sandy loam, native grass.

40.00 Set an iron post 1 in. in diam. 3 ft. long, 26 ins. in
 the ground for ¼ sec. cor., marked on brass cap,
 ¼ S 36 in W., and
 S 31 in E. half;

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
 raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of secs. 25, 30, 31 & 36, marked on
 brass cap, T 25 N in N. half,
 R 8 W S 25 in NW.,
 R 7 W S 30 in NE.,
 S 31 in SE., and
 S 36 in SW. quad.;

dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and
 raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level, gently undulating. Soil, 2nd rate, sandy.
 Sage brush, few cacti, good native grass.

North, bet. secs. 25 & 30.
 Over gently undulating valley.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for ¼ sec. cor., marked on brass cap,
 ¼ S 25 in W., and
 S 30 in E. half;

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
 raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.

69.00 Enter level land subject to overflow.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of secs. 19, 24, 25 & 30, marked on
 brass cap, T 25 N in N. half,
 R 8 W S 24 in NW.,
 R 7 W S 19 in NE.,
 S 30 in SE., and
 S 25 in SW. quad.;

dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and
 raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, undulating, level. Soil, 3rd rate, sandy, loose, dry.
 Sage brush, few cacti, good native grass.

North, bet. secs. 19 & 24.
 Over level land.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for ¼ sec. cor., marked on brass cap,
 ¼ S 24 in W., and
 S 19 in E. half;

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
 raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.

At this cor. at noon, I set off 21°54'S. on the decl. arc,
 and observe the sun on the meridian.
 The resulting lat. is 35°33'N.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
 the ground for cor. of secs. 18, 18, 19 & 24, marked on
 brass cap, T 25 N in N. half,
 R 8 W S 18 in NW.,
 R 7 W S 18 in NE.,
 S 19 in SE., and S 24 in SW. quad.;

Dig pits 18x18x12 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, 2nd rate, sandy. Good grass,

Chains.

North, bet. secs. 13 & 18.
Over level land, subject to overflow during floods.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 13 in W., and
S 18 in E. half;
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 7, 12, 13 & 18, marked on brass cap, T 25 N in N. half,
R 8 W S 12 in NW.,
R 7 W S 7 in NE.,
S 13 in SE., and
S 13 in SW. quad.;
dig pits 18x18x12 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, 2nd rate, sandy, loose, dry.
Sage brush, few cacti, good native grass. Jan. 11, 1912.

Jan. 12, 1912.

At 8h a.m., l.m.t., at the above described corner, T 25 N, R 8 W,
I set off $21^{\circ}44'$ S. on the decl. arc, and $35^{\circ}34'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run,

North, bet. secs. 7 & 12.
Over level valley.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 12 in W., and
S 7 in E. half;
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 6, 7 & 12, marked on brass cap, T 25 N in N. half,
R 8 W S 1 in NW.,
R 7 W S 6 in NE.,
S 12 in SE., and
S 12 in SW. quad.;
dig pits 18x18x12 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, 2nd rate, sandy, loose.
Sage brush, cacti, good native grass.

North, bet. secs. 1 & 6.
Over level, open valley.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 1 in W., and
S 6 in E. half;
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 25 & 26 N., Rs. 7 & 8 W., marked on brass cap,
T 26 N in N.,
R 7 W in E.,
T 25 N in S., and
R 8 W in W. half,
S 36 in NW.,
S 31 in NE.,
S 6 in SE., and
S 1 in SW. quad.;
dig pits 24x24x12 ins. N., E. & W. of cor. 4 ft., and S. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, $2\frac{1}{2}$ ft. high S. of cor.
Land, level, Soil, 2nd & 3rd rate, loose, sandy, light.
Sage brush, few cacti, good grass.

West Boundary T. 25 N., R. 8 W.

Chains.

Jan. 13, 1912.
 At 8h a.m., l.m.t., at the Std. Cor. of Tps. 25 N., Rs. 8 & 9 W., which is an iron post 3 ins. in diam., 1 ft. above ground, with brass cap, marked and witnessed as described by the Surveyor-General,
 I set off $21^{\circ}34\frac{1}{2}'$ S. on the decl. arc, and $35^{\circ}30\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per instructions,
 North, on range line, bet. secs. 31 & 36.
 Var. $14^{\circ}50'$ E.

Over rolling land, through scattering cedar.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 36 in W., and
 S 31 in E. half; from which,
 A cedar tree 6 ins. diam. brs. S. $25\frac{3}{4}^{\circ}$ E. 555 lks. dist., marked $\frac{1}{4}$ S 31 B T.
 A cedar tree 8 ins. diam. brs. S. $55\frac{3}{4}^{\circ}$ W. 101 lks. dist., marked $\frac{1}{4}$ S 36 B T.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 30, 31 & 36, marked on brass cap, T 25 N in N. half,
 R 9 W S 25 in NW.,
 R 8 W S 30 in NE.,
 S 31 in SE., and
 S 36 in SW. quad.; from which,
 A cedar tree 6 ins. diam. brs. N. $48\frac{1}{4}^{\circ}$ E. 55 lks. dist., marked T 25 N R 8 W S 30 B T.
 A cedar tree 8 ins. diam. brs. S. $23\frac{1}{4}^{\circ}$ E. 178 lks. dist., marked T 25 N R 8 W S 31 B T.
 A cedar tree 8 ins. diam. brs. S. $24\frac{1}{2}^{\circ}$ W. 142 lks. dist., marked T 25 N R 9 W S 36 B T.
 A cedar tree 6 ins. diam. brs. N. $24\frac{1}{2}^{\circ}$ W. 25 lks. dist., marked T 25 N R 9 W S 25 B T.

Land, rolling.
 Soil, 3rd rate, gravelly, dry.
 Cedar, pinon, sage brush, good native grass.

North, bet. secs. 25 & 30 . .

Over rolling land, through scattering cedar.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 25 in W., and
 S 30 in E. half; from which,
 A cedar tree 10 ins. diam. brs. S. $54\frac{1}{2}^{\circ}$ E. 58 lks. dist., marked $\frac{1}{4}$ S 30 B T.
 A cedar tree 12 ins. diam. brs. N. $56\frac{1}{4}^{\circ}$ W. 236 lks. dist., marked $\frac{1}{4}$ S 25 B T.

76.00 Leave cedar, brs. E. & W.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 10 ins. in the ground on bed-rock, in mound of stone for cor. of secs. 19, 24, 25 & 30, marked on brass cap,
 T 25 N in N. half,
 R 9 W S 24 in NW.,
 R 8 W S 19 in NE.,
 S 30 in SE., and
 S 25 in SW. quad.;
 dig pits 18x10x12 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, rolling.
 Soil, 3rd rate, gravelly, loose, dry.
 Cedar, few pinons, sparse sage brush, good grass.

Chains.

- North, bet. secs. 19 & 24.
Over rolling open land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 24 in W., and S 19 in E. half; dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 70.00 Enter scattering cedar, brs. NE. & SW.
- 30.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 13, 18, 19 & 24, marked on brass cap, T 25 N in N. half, R 9 W S 13 in NW., R 8 W S 18 in NE., S 19 in SE., and S 24 in SW. quad.; from which,
- A cedar tree 10 ins. diam. brs. N. $17\frac{1}{2}^{\circ}$ E. 113 lks. dist., marked T 25 N R 8 W S 18 B T.
- A cedar tree 8 ins. diam. brs. S. 81° E. 175 lks. dist., marked T 25 N R 8 W S 19 B T.
- A cedar tree 16 ins. diam. brs. S. $45\frac{1}{2}^{\circ}$ W. 30 lks. dist., marked T 25 N R 9 W S 24 B T.
- A cedar tree 10 ins. diam. brs. N. 73° W. 142 lks. dist., marked T 25 N R 9 W S 13 B T.
- Land, rolling.
Soil, 3rd rate, gravelly, dry.
Scattering cedar, pinon, fair grass.
At this cor. at noon, I set off $21^{\circ}35'$ S. on the decl. arc, and observe the sun on the meridian.
The resulting lat. is $35^{\circ}33'$ N.

- North, bet. secs. 13 & 18.
Over rolling land, through sparse cedar.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 13 in W., and S 18 in E. half; no trees available, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 7, 12, 13 & 18, marked on brass cap, T 25 N in N. half, R 9 W S 12 in NW., R 8 W S 7 in NE., S 18 in SE., and S 13 in SW. quad.; from which,
- A cedar tree 3 ins. diam. brs. N. 57° E. 112 lks. dist., marked T 25 N R 8 W S 7 B T.
- A cedar tree 14 ins. diam. brs. S. $89\frac{1}{2}^{\circ}$ E. 297 lks. dist., marked T 25 N R 8 W S 18 B T.
- A cedar tree 8 ins. diam. brs. S. 69° W. 660 lks. dist., marked T 25 N R 9 W S 13 B T.
- A cedar tree 12 ins. diam. brs. N. $40\frac{1}{2}^{\circ}$ W. 402 lks. dist., marked T 25 N R 9 W S 12 B T.

Land, rolling.
Soil, 3rd rate, gravelly, sandy, loose, dry.
Scattering cedar, few pinons, cacti, good grass.

Chains.

North, bet. secs. 7 & 12.

Over rolling land, sparse cedar.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 12 in W., and

S 7 in E. half; from which,

A cedar tree 12 ins. diam. brs. N. $15\frac{1}{2}^{\circ}$ E. 323 lks. dist., marked $\frac{1}{4}$ S 7 B T.

A cedar tree 8 ins. diam. brs. S. 52° W. 336 lks. dist., marked $\frac{1}{4}$ S 12 B T.

70.00 Leave cedar, brs. SE. & NW.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 6, 7 & 12, marked on brass cap, T 25 N in N. half,

R 9 W S 1 in NW.,

R 8 W S 6 in NE.,

S 7 in SE., and

S 12 in SW. quad.;

No trees or bearings available.

Dig pits 18x18x12 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, rolling.

Soil, 3rd rate, sandy, gravelly, loose, dry.

Cedar, few pinons, good native grass.

North, bet. secs. 1 & 6.

Over gently rolling, open land.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 6 in W., and

S 6 in E. half; No trees available,

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 25 & 26 N., Rs. 8 & 9 W., marked on brass cap,

T 26 N in N.,

R 8 W in E.,

T 25 N in S., and

R 9 W in W. half,

S 36 in NW.,

S 31 in NE.,

S 6 in SE., and

S 1 in SW. quad.;

dig pits 24x24x12 ins. E., W., and N. of cor. 4 ft., and S. of cor. 8 ft. dist., and

raise a mound of earth 5 ft. base, $2\frac{1}{2}$ ft. high S. of cor.

Land, rolling.

Soil, 3rd rate, sandy, gravelly, loose, dry.

Few cedars, sage brush, cacti, good native grass.

Jan. 13, 1912.

Chains.

Jan. 15, 1912.

At 8h a.m., l.m.t., at the cor. of Tps. 25 & 26 N., Rs. 7 & 8 W., recently established by me,

I set off $21^{\circ}14'$ S. on the decl. arc, and $35^{\circ}36'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per instructions,

West, on a random line on North bdy. of Tp.

At 5 miles, 79.38 chs., I intersect the West bdy. of Tp.

at a point 28 lks. S. of cor. of Tps. 25 & 26 N., Rs. 8 & 9

8 & 9 W., recently established by me,

whence I run,

S. $89^{\circ}58'$ E., on a true line on N. bdy. of Tp.,

bet. secs. 6 & 31, var. $15^{\circ}50'$ E.

Over rolling land, few cedars.

39.38 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 31 in N., and S 6 in S. half;

dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

79.38 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 5, 6, 31 & 32, marked on brass cap, T 26 N in N.,

T 25 N in S., and

R 8 W in W. half,

S 31 in NW.,

S 32 in NE.,

S 5 in SE., and

S 6 in SW. quad.; No trees available,

dig pits 18x18x12 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, gently rolling. Soil, 2nd & 3rd rate, sandy, loose.

Few cedars, sage brush, cacti, good native grass.

S. $89^{\circ}58'$ E., bet. secs. 5 & 32.,

Over gently undulating land, through sparse cedar.

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

$\frac{1}{4}$ S 32 in N., and

S 5 in S. half; from which,

A cedar tree 8 ins. diam. brs. N. $34\frac{1}{2}^{\circ}$ E. 230 lks. dist., marked $\frac{1}{4}$ S 32 B T.

A cedar tree 8 ins. diam. brs. S. $56\frac{3}{4}^{\circ}$ E. 180 lks. dist., marked $\frac{1}{4}$ S 5 B T.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 32 & 33, marked on brass cap, T 26 N in N.,

T 25 N in S., and

R 8 W in W. half,

S 32 in NW.,

S 33 in NE.,

S 4 in SE., and

S 5 in SW. quad.; no trees available,

dig pits 18x18x12 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, gently rolling. Soil, 3rd rate, sandy, dry loose.

Sparse cedar, few pinons, cacti, sage brush, good grass.

At this cor. at noon, I set off $21^{\circ}14'$ S. on the decl.

arc, and observe the sun on the meridian.

The resulting lat. is $35^{\circ}36'$ N.

S. $89^{\circ}58'$ E., bet. secs. 4 & 33.

Over gently rolling land, through sparse cedar.

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

$\frac{1}{4}$ S 33 in N., and

S 4 in S. half; no trees available,

dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Chains.

69.00 Leave cedars, enter open grassy valley.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 33 & 34, marked on brass cap, T 26 N in N., T 25 N in S., and R 8 W in W. half, S 33 in NW., S 34 in NE., S 3 in SE., and S 4 in SW. quad.; no trees available, dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, gently rolling. Soil, 3rd rate, sandy, gravelly, dry. Few cedars, sage brush, cacti, good native grass.

S. 89°58' E., bet. secs. 3 & 34.
 Over gently undulating plain.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 34 in N., and S 3 in S. half; dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.

48.95 Road, brs. NE. & SW.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 2, 3, 34 & 35, marked on brass cap, T 26 N in N., T 25 N in S., and R 8 W in W. half; S 34 in NW., S 35 in NE., S 2 in SE., and S 3 in SW. quad.; no trees available. dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, gently undulating, level. Soil, 3rd rate, sandy, loose, dry. Sage brush, few cacti, good native grass.

S. 89°58' E., bet. secs. 2 & 35.
 Over gently undulating valley.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 35 in N., and S 2 in S. half; dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 2, 35 & 36, marked on brass cap, T 26 N in N., T 25 N in S., and R 8 W in W. half; S 35 in NW., S 36 in NE., S 1 in SE., and S 2 in SW. quad.; no trees available. dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level, gently undulating. Soil, 3rd rate, sandy, gravelly, dry, loose. Sage brush, few cacti, good native grass.

S. 89°58' E., bet. secs. 1 & 36.
 Over level land, subject to overflow.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 36 in N., and S 1 in S. half; dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.

53.85 Wash, 10 lks. wide, course S., centre of drainage.

80.00 To cor. of Tps. 25 & 26 N., Rs. 7 & 8 W. hereinbefore described Land, level. Soil, 2nd rate, sandy, loose, light, loamy. Sage brush, good grass.

General Description.

The E., W., and N. bdrs. of this Tp. run over smooth or gently rolling land in the Aubrey Valley, well covered with native bunch and gramma grass. There is some cedar and pinon in the SW. portion of the Tp. The land is fertile in places and would produce well if watered. There is no water or timber on the lines, nor any traces of settlement or occupation of the land. All of the land is good grazing.

T. 25 N. R. 8 W. Latitudes, departures and closing errors.

| Line Designated. | True bearing. | Dist. Chs. | Latitudes. | | Departures. | |
|--------------------|---------------|------------|------------|---------|-------------|---------|
| | | | N. Chs. | S. Chs. | E. Chs. | W. Chs. |
| 6th Std. Par. N., | West; --- | 480.00 | ----- | ----- | ----- | 480.00 |
| West Boundary, -- | North, -- | 480.00 | 480.00 | ----- | ----- | ----- |
| North Boundary, -- | S. 89° 58' E. | 479.38 | ----- | 0.28 | 479.38 | ----- |
| East Boundary, --- | South, -- | 480.00 | ----- | 480.00 | ----- | ----- |
| Convergency, --- | ----- | ----- | ----- | ----- | 0.51 | ----- |
| Totals, -- | ----- | ----- | 480.00 | 480.28 | 479.89 | 480.00 |
| | | | ----- | 480.00 | ----- | 479.89 |
| | | | | 0.28 | ----- | ----- |
| | | | | ----- | ----- | 0.11 |

Chains. Frac. West Boundary T. 26 N., R. 8 W.

Jan. 13, 1912.

At 2h p.m., l.m.t., at the cor. of Tps. 25 & 26 N., Rs. 8 & 9 W., just established by me,

I set off 21° 34' S. on the decl. arc, and 35° 36' N. on the lat. arc, and determine a meridian with the solar.

Thence I run, as per instructions,

North, on range line, bet. secs. 31 & 36.

Over rolling land, through scattering cedar.

34.70 Road, brs. NE. & SW.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor., marked on brass cap, 1/4 S 36 in W., and S 31 in E. half;

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 30, 31 & 36, marked on brass cap, T 26 N in N. half,

R 9 W S 25 in NW., R 8 W S 30 in NE., S 31 in SE., and S 36 in SW. quad.;

dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level, gently rolling. Soil, 3rd rate, gravelly, dry. Sparse cedar, sage brush, good grass.

North, bet. secs. 25 & 30.

Over rolling land, through scattering cedar.

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

1/4 S 25 in W., and S 30 in E. half; from which, A cedar tree 9 ins. diam. brs. N. 75 1/2° E. 120 lks. dist., marked 1/4 S 30 B T.

A cedar tree 9 ins. diam. brs. N. 86 1/4° W. 65 lks. dist., marked 1/4 S 25 B T.

47.95 Road, brs. E. & W.

49.15 Intersect SE. bdy. line of Hualpai Indian Reservation at a point whence 72 1/2 mile cor. on said line brs. S. 50° W., 9.10 chs. dist., which is a sandstone 10x6x6 ins. above ground, marked and witnessed as described by the Surveyor-General,

Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for closing cor. of Tps. 26 N., Rs. 8 & 9 W., marked on brass cap, C, E of centre, T 26 N in SE., and H I R in NW. half, S 30, R 8 W in SE., and S 25, R 9 W in SW. sectors; dig pits 24x24x12 ins., crosswise on each line, N. 50° E. & S. 50° W. 4 ft., and S. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, 2 1/2 ft. high S. of cor.

Land, rolling. Soil, 3rd rate, gravelly. Good grass. Jan. 13, 1912.

Chains.

Jan. 12, 1912.
 At 8h a.m., l.m.t., at the cor. of Tps. 25 & 26 N., Rs. 7 & 8 W., recently established by me,
 I set off 21¹/₄' S. on the decl. arc, and 35¹/₂' N. on the lat. arc, and determine a meridian with the solar. Thence I run, as per instructions,
 North, on range line, bet. secs. 31 & 36.

Over gently undulating plain, through scattering sage brush, Var. 15° E.
 4.61 Road, brs. NNW. & SSE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¹/₄ sec. cor., marked on brass cap,
 ¹/₄ S 36 in W., and
 S 31 in E. half;
 dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3¹/₂ ft. base, 1¹/₂ ft. high W. of cor.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 30, 31 & 36, marked on brass cap, T 26 N in N. half,
 R 8 W S 25 in NW.,
 R 7 W S 30 in NE.,
 S 31 in SE., and
 S 36 in SW. quad.;
 dig pits 18x18x12 ins. in each sec. 5¹/₂ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
 Ladd, rolling gently.
 Soil, 2nd rate, sandy, loose, loamy.
 Sage brush, few cacti, fair grass.

North, bet. secs. 25 & 30.
 Over gently undulating plain.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¹/₄ sec. cor., marked on brass cap,
 ¹/₄ S 25 in W., and
 S 30 in E. half;
 dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3¹/₂ ft. base, 1¹/₂ ft. high W. of cor.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 19, 24, 25 & 30, marked on brass cap, T 26 N, in N. half,
 R 8 W S 24 in NW.,
 R 7 W S 19 in NE.,
 S 30 in SE., and
 S 25 in SW. quad.;
 dig pits 18x18x12 ins. in each sec. 5¹/₂ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
 Land, level, gently undulating.
 Soil, 3rd rate, sandy, loose, dry, light, loamy.
 Sage brush, few cacti, good native grass.

North, bet. secs. 19 & 24.
 Over level open land.

2.00 Road, brs. NNE. & SSW.
 14.50 Wash, 50 lks. wide, course SSW., centre of drainage.
 36.95 Same wash, course SSE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¹/₄ sec. cor., marked on brass cap,
 ¹/₄ S 24 in W., and
 S 19 in E. half;
 dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3¹/₂ ft. base, 1¹/₂ ft. high W. of cor.
 42.40 Same wash as above, course SSW.
 51.40 Same wash, course SSE.
 55.65 Same wash, course SSW.
 62.10 Same wash, course SSE.
 70.00 Same wash, course SSW.
 74.50 Same wash, course SSE.

| Chains. | |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 80.00 | <p>Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 13, 18, 19 & 24, marked on brass cap, T 26 N in N. half, R 8 W S 13 in NW., R 7 W S 18 in NE., S 19 in SE., and S 24 in SW. quad.;</p> <p>dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.</p> <p>Land, level, gently undulating. Soil, 2nd rate, sandy, loamy, light, dry. Sparse sage brush, fair grass.</p> |
| <p>North, bet. secs. 13 & 18. Over level open valley.</p> | |
| 3.60 | <p>Same wash as above, centre of drainage, course SSW.</p> |
| 17.80 | <p>Wire fence, brs. S. 59° 18' W., and N. 59° 18' E., about 30 chs. to cor. to NE., whence turns to N., enter pasture of Pine Springs cattle Co.</p> |
| <p>Thence along towards W. side of valley, asc. slightly.</p> | |
| 22.00 | <p>Dry well brs. East, 6 chs. dist., about 200 ft. deep.</p> |
| 40.00 | <p>Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, ¼ S 13 in W., and S 18 in E. half;</p> |
| <p>dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.</p> | |
| 75.32 | <p>Road, brs. NNE. & SSW.. Pine Springs to Nelson.</p> |
| 80.00 | <p>Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 7, 12, 13 & 18, marked on brass cap, T 26 N, in N. half, R 8 W S 12 in NW., R 7 W S 7 in NE., S 18 in SE., and S 13 in SW. quad.;</p> <p>dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.</p> <p>Land, level, gently rolling. Soil, 3rd rate, sandy, gravelly, loose, dry. Sparse sage brush, cacti, good grass. At this cor. at noon, I set off 21° 45' S. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 35° 39' N.</p> |
| <p>North, bet. secs. 7 & 12. Over rolling land, asc. grad. along ESE. slope.</p> | |
| 34.50 | <p>Wire fence, brs. N. 33° 48' E. & S. 33° 48' W., leave pasture.</p> |
| 40.00 | <p>Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap, ¼ S 12 in W., and S 7 in E. half;</p> |
| <p>No bearings available, pits impracticable; raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.</p> | |
| 44.00 | <p>Top of rise, thence along E. slope., foot is 8 chs. to E.</p> |
| 52.00 | <p>Water tanks and corrals of Pine Springs Cattle Co. brs. East about ½ mile dist.</p> |
| 70.00 | <p>Desc. ENE. slope.</p> |
| 80.00 | <p>Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 6, 7 & 12, marked on brass cap, T 26 N in N. half, R 8 W S 5 in NW., R 7 W S 6 in NE., S 7 in SE., and S 12 in SW. quad.; pits impracticable, raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.</p> <p>Land, rolling. Soil, 3rd rate, gravelly, stony. Sage brush, cacti, greasewood, fair grass.</p> |

Chains.

North, bet. secs. 1 & 6.

- Over mts., broken land, through dense greasewood
 - 3.00 Wash, 20 lks. wide, course SE., asc.
 - 20.00 Top of spur, brs. E. & W., desc.
 - 38.00 Foot of slope, brs. E. & W., leave brush.
 - 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 1 in W., and S 6 in E. half; dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
 - 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 26 & 27 N., Rs. 7 & 8 W., marked on brass cap, T 27 N in N., R 7 W in E., T 26 N in S., and R 8 W in W. half, S 36 in NW., S 31 in NE., S 6 in SE., and S 1 in SW. quad.; dig pits 24x24x12 ins., on each line, E., W., and N., 4 ft., and S. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, $2\frac{1}{2}$ ft. high S. of cor.
- Land, mts., rolling.
Soil, 3rd rate, gravelly, dry,
Greasewood, sagebrush, cacti, fair grass.

Frac. North Boundary T. 26 N., R. 8 W.

- From the cor. of Tps. 26 & 27 N., Rs. 7 & 8 W., just established by me, I run, as per instructions, West, on N. bdy. of Tp., bet. secs. 1 & 36. Over gently rolling land, asc. grad., few cedars.
 - 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 36 in N., and S 1 in S. half; from which, A cedar tree 24 ins. diam. brs. S. 64° W. 248 lks. dist., marked $\frac{1}{4}$ S 1 B T. No other trees available. Dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 - 45.00 Leave valley, asc. NE. slope, through dense brush. NE. & SW.
 - 54.00 Spur, brs. N. & S., desc.
 - 57.00 Gulch, 30 lks. wide, course NE., asc.
 - 59.50 Intersect SE. bdy. line of Hualpai Indian Reservation, at a point whence the $79\frac{1}{2}$ mile cor. on said line, brs. N. $50^{\circ}05'$ E. 7.75 chs. dist., which is a limestone 10x6x6 ins. above ground, marked and witnessed as described by the Surveyor-General. Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for closing cor. of Tps. 26 & 27 N., R. 8 W., marked on brass cap, C C, W. of centre, H I R in NW., and R 8 W in SE. half, T 27 N S 36 in NE., and T 26 N S 1 in SE. sectors; from which, A cedar tree 18 ins. diam. brs. S. 46° W. 94 lks. dist., marked T 26 N R 8 W S 1 C C B T. No other trees available, pits impracticable. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor.
- Land, rolling, mts.
Soil, 3rd rate, gravelly, stony.
Greasewood, few cedars, sage brush, cacti, good grass.

General Description.

The East Boundary of T. 26 N., R. 8 W., runs over a smooth open valley for five miles, the land being a fertile sandy loam, with some gravel, well covered with native gramma and bunch grass. The north mile of this line and the Frac. N. bdy. of this Tp. is more gravelly or stony land. There is no water on or near the lines.

T. 26 N., R. 8 W.

Latitudes, departures, and closing errors.

| Line designated. | True bearing. | Dist. Chs. | Latitudes. | | Departures. | |
|-------------------------|-------------------|------------|------------|--------------------|-------------|---------|
| | | | N. Chs. | S. Chs. | E. Chs. | W. Chs. |
| South Boundary, | N. 89° 58' W. --- | 479.38 | --- | --- | --- | 479.38 |
| Frac. W. Bdry. | North, --- | 129.15 | 129.15 | --- | --- | --- |
| SE. Bdy. Hual. In. Res. | N. 50° E. --- | 70.90 | 45.57 | --- | 54.31 | --- |
| " " " " " " | N. 50° 05' E. --- | 40.04 | 25.69 | --- | 30.71 | --- |
| " " " " " " | N. 50° E. --- | 80.00 | 51.42 | --- | 61.28 | --- |
| " " " " " " | N. 50° 05' E. --- | 124.03 | 79.59 | --- | 95.13 | --- |
| " " " " " " | N. 50° E. --- | 200.00 | 128.56 | --- | 153.21 | --- |
| " " " " " " | N. 50° 05' E. --- | 32.05 | 20.57 | --- | 24.58 | --- |
| Frac. N. Bdy. --- | East, --- | 59.50 | --- | --- | 59.50 | --- |
| East Boundary, --- | South, --- | 480.00 | --- | 480.00 | --- | --- |
| Convergency, --- | --- | --- | --- | --- | -0.51 | --- |
| Totals, | | | 480.83 | 480.00 | 479.69 | 479.38 |
| | | | 480.00 | --- | 479.09 | --- |
| Error in Lat., --- | | | 0.83 | Error in Dep., --- | 0.29 | --- |

Jan. 12, 1912.

William H. Elliott

U. S. Surveyor.

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability,
William H. Elliott, U. S. Surveyor, during the periods and in the capacities

stated opposite our several signatures, in surveying all those parts or portions of
the South & East Bdrs. of Tp. 22 N.-R. 8 W
" " & " " " 23 N.-R. 8 W.
" " & " " " 24 N.-R. 8 W.
" East & West " " 25 N.-R. 8 W.
" South & East, & Fract. North & Fract. West Bdrs. of T. 26 N.-R. 8 W.
Group 15

of the Gila & Salt River Base & 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 has been, in all respects, to the best of our knowledge and belief, well and
faithfully executed.

| NAME. | PERIOD OF SERVICE. | | CAPACITY. |
|--------------------------|----------------------|-----------------------|------------------|
| | BEGUN. | ENDED. | |
| <u>Butt</u> | <u>Nov. 1, 1911.</u> | <u>Jan. 21, 1912.</u> | <u>Chainman.</u> |
| <u>Eric Flanagan</u> | <u>Nov. 1, 1911.</u> | <u>Jan. 21, 1912.</u> | <u>Chainman.</u> |
| <u>Olive L. W. Jones</u> | <u>Nov. 1, 1911.</u> | <u>Jan. 21, 1912.</u> | <u>Moundman.</u> |
| <u>M. H. Ryckman</u> | <u>Nov. 1, 1911.</u> | <u>Dec. 30, 1911.</u> | <u>Axeman.</u> |
| <u>J. E. Marshall</u> | <u>Nov. 1, 1911.</u> | <u>Jan. 21, 1912.</u> | <u>Flagman.</u> |
| <u>R. L. Bates</u> | <u>Nov. 1, 1911.</u> | <u>Jan. 21, 1912.</u> | <u>Moundman.</u> |
| <u>Henry Fischer</u> | <u>Jan. 7, 1912.</u> | <u>Jan. 12, 1912.</u> | <u>Chainman.</u> |
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Subscribed and certified to before me on the dates of the final service as shown above.

William H. Elliott
U. S. Surveyor.

34 181

BOOK 2411

FINAL OATH OF UNITED STATES SURVEYOR.

I, William H. Elliott, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona, Group 15 bearing date of the 28th day of August, 1911, 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

South & East Bdrs. of Tp. 22 N.-R. 8 W.
 " " " " " Tp. 23 N.-R. 8 W.
 " " " " " Tp. 24 N.-R. 8 W.
East " West " " Tp. 25 N.-R. 8 W.
S. & E., Frac. N. & Frac. W. " " Tp. 26 N.-R. 8 W. of the Gila & Salt River Base & 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 have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

William H. Elliott
 U. S. Surveyor.

Subscribed by said William H. Elliott, and sworn to before me }
 this 15 day of Oct., 1912

Frank Ingalls

SURVEYOR-GENERAL OF ARIZONA



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Phoenix, Arizona, April 21, 1913

The foregoing field notes of the survey of the

South & East Bdrs. of Tp. 22 N.-R. 8 W.
 " " " " " Tp. 23 N.-R. 8 W.
 " " " " " Tp. 24 N.-R. 8 W.
East " West " " Tp. 25 N.-R. 8 W.
S. & E., Frac. N. & Frac. W. bdrs. Tp. 26 N.-R. 8 W. of the
Gila & Salt River Base & Meridian, Arizona

executed by William H. Elliott, U.S. Surveyor
for Group 15 under his special instructions, dated August 28, 1911, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank Ingalls
 U. S. Surveyor General.

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.

18-32411
BOOK 35

FOR FINAL OATH OF UNITED STATES SURVEYOR.

A.C. Horton, Jr. in the execution of corrections to the survey of the Subdivision lines and South boundary of T. 22 N. R. 8 W., see Book "U" Group 15

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191 _____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

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

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191 _____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona OCT 5, 1914

The foregoing ^{corrections in the accepted} field notes of the survey of the South boundary of Township No 22 North, Range No 8 West of the Gila and Salt River Base and Meridian, as indicated by red ink letters and figures therein

executed by A.C. Horton, Jr., U.S. Surveyor under ~~his~~ special instructions dated February 11-1914, 191 _____, having been critically examined, and the necessary corrections and explanations made, the said ^{CORRECTIONS TO THE} field notes, and the ^{corrective} surveys they describe, are hereby approved.

Frank 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.~~

~~U. S. Surveyor General.~~