

2412

4-679

BOOK 2412

Book "2"

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

FIELD NOTES

AUG 2- 1912

OF THE SURVEY OF THE
TOWNSHIP BOUNDARIES

S., W., and N. Boundaries of T. 22 N., R. 9 W.

W. boundary of T. 23 N., R. 9 W.

N, & S. boundaries of T. 23 N., R. 7 W.

W. boundary of T. 24 N., R. 6 W.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Jesse B. Wright,

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 Nov. 6, 1911, 1911

Survey completed Dec. 13, 1911, 1911

1A

INDEX DIAGRAM.

Township _____, Range _____

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BOOK 2412

9W.

8W.

7W.

6 th Standard Par. North.			25 N
Group 7 Nov. 1910	Group 7 October 1910.		24 N
Group 7 Nov. 1910.	Guide Meridian West November 1910.	19 - 22	23 N
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Explanation

- See Book 1----2411
- " " 3----2413
- " " 4----2414
- " " 5----2415
- This Book..... 2412
- Former Surveys.

Chains.

Survey commenced Nov. 6, 1911, and executed with a Young & Son's light mountain transit No. 8145, with Smith patent solar attachment on side.

The horizontal limb of the instrument is provided with two double verniers placed opposite to each other, each reading to 1' of arc, which is also the least count of the verniers of the latitude and declination arcs.

This instrument being approved by the Surveyor-General of Arizona, and the Supervisor of Surveys of this district, and transmitted^{to me} for use in 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.

At this cor., I test all the adjustments of the transit and solar attachment, and finding same correct; then, in order to test the solar apparatus, by comparing the results of observations on the sun, for meridians, with a true meridian determined 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 22m 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 in the ground 6 chs. N. of my station.

At 8h 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 .25 ins. E. of the point in the meridian as determined by the solar on preceding evening.

At 8h 15m a.m., l.m.t., 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, which meridian agrees with the meridian established by the Observation of Polaris.

The solar apparatus, by p.m. & a.m. observations, defines positions for meridians, about $13''W.$, and identical with the true meridian as established 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 $15^{\circ}50'$ East.

From the corner above described, a large flag left on the line of the 2nd Guide Meridian West, at the Cor. of Tps. 23 & 24 N., Rs. 8 & 9 W., brs. $N. 0^{\circ}1' W.$;

I proceed South, along this line, setting flags at the section corners thereon, and testing the alinement and measurement thereof, and finding same correct;

At 9h 15m a.m., l.m.t., at the cor. of Tps. 21 & 22 N., Rs. 8 & 9 W., which is an iron post 3 ins. diam. 1 ft. above ground, with brass cap, marked and witnessed as Described by the Surveyor General of Arizona, lat. $35^{\circ}14'49''N.$, long. $113^{\circ}09'57''W.$,

I set off $16^{\circ}4'S.$ on the decl. arc, and $35^{\circ}15'N.$ on the lat. arc, and determine a meridian with the solar. Thence I run, as per instructions,
Var. $15^{\circ}50'$ E.,

Chains.

West, on South Boundary of Township,
bet. secs. 1 & 36.

Over gently rolling valley, fine gramma grass.

30.00 Asc. gradually.

36.00 Enter scattering 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. 36 in N., and

S 1 in S. half, from which,
A cedar tree 10 ins. diam. brs. S.15°E. 63 lks. dist.,
marked $\frac{1}{4}$ S. 1 B T.

A cedar tree 10 ins. diam. brs. N.44°W. 244 lks. dist.,
marked $\frac{1}{4}$ S 36 B T.

51.00 Asc. through dense cedar timber, brs. N. & S.

60.00 Top of rocky ridge, brs. N. & S., desc.

76.00 Leave 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. 1, 2, 35 & 36, marked on
brass cap,

T 22 N in N.,

T 21 N in S., and

R 9 W in W. half;

S 35 in NW.,

S 36 in NE.,

S 1 in SE., and

S 2 in SW. quadrants;

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
No bearings available. Pits impracticable.

Land, rolling, hilly.

Soil, 3rd rate, gravelly, loose.

South of line, land is hilly, rolling,

Timber, cedar, few pinon.

Undergrowth, cedar, scrub oak, few cacti. Fine grass, in
valley.

West, bet. secs. 2 & 35.

Over rolling land, desc. grad.

3.95 Road, brs. N. & S., enter draw.

7.00 Camp and well drilling outfit 2 chs. to S. Middle of draw.

20.00 Leave draw, course S., asc. grad.

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,

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.

50.00 Enter dense cedar, brs. N. & S.

52.00 Top of spur, brs. NNE. & SSW. desc.

62.60 Road, Fort Rock & Seligman, to Prescott, brs. ENE. & WSW.

63.00 Ravine, course SW., asc. SE. slope.

76.00 Top, and along S. slope.

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 9 W, in W.
half; S 34 in NW., S 35 in NE., S 2 in SE., and S 3 in SW.
quadrants; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft.
high W. of cor., from which,

A cedar tree 15 ins. diam. brs. N.66°E. 100 lks. dist.,
marked T 22 N R 9 W S 35 B T.

A cedar tree 18 ins. diam. brs. N.60°W. 47 lks. dist.,
marked T 22 N R 9 W S 34 B T.

A cedar tree 30 ins. diam. brs. S.59°W. 156 lks. dist.,
marked T 21 N R 9 W S 3 B T.

Land, rolling, hilly,

Soil, 3rd rate, loose, gravelly.

Cedar, pinon. Good grass in places.

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.

Chains.

West, bet. secs. 3 & 34.
 Over rolling land, desc. through scattering cedar.
 5.00 Foot of slope, brs. NNW. & SSE., enter valley.
 27.00 Asc. gently.
 35.00 Enter scattering cedar, brs. NNW. & SSE.
 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 20 ins.diam.brs. N.89°W. 151 lks. dist.,
 marked $\frac{1}{4}$ S 34 B T.
 A cedar tree 20 ins.diam.brs. S.19°W. 47 lks. dist.,
 marked $\frac{1}{4}$ S 3 B T.
 46.00 Top of knoll, brs. N. & S., desc. gently.
 57.24 Old road in draw, brs. NNW. & SSE., draw drains to SSE.
 60.00 Leave cedar, brs. N. & S., asc. gently.
 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 9 W in W. half,
 S 33 in NW.,
 S 34 in NE.,
 S 3 in SE., and
 S 4 in SW. quadrants;
 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, gravelly, loose.
 Scattering cedar, good grass.
 To the south of line, land is rolling, hilly with fine
 grass for four miles. Nov. 7, 1911.

Nov. 8, 1911.
 At 8h a.m., 1.m.t., at the cor. of secs. 3,4,33 & 34,
 as above described,
 I set off 16°20' S. on the decl. arc, and 35°15' N. on
 the lat. arc, and determine a meridian with the solar.
 Thence I run,
 West, bet. secs. 4 & 33.
 Over gently rolling, open, 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 33 in N., and
 S 4 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.
 60.00 Enter cedar, brs. N. & S., asc. grad.
 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 9 W in W. half,
 S 32 in NW.,
 S 33 in NE.,
 S 4 in SE., and
 S 5 in SW. quadrants; from which,
 a cedar tree 10 ins.diam.brs. N.59°E. 56 lks. dist.,
 marked T 22 N R 9 W S 33 B T.
 A cedar tree 10 ins.diam.brs. S.13°E. 38 lks. dist.,
 marked T 21 N R 9 W S 4 B T.
 A cedar tree 18 ins.diam.brs. S.81°W. 168 lks. dist.,
 marked T 21 N R 9 W S 5 B T.
 A cedar tree 20 ins.diam.brs. N.19 $\frac{1}{2}$ °W. 85 lks. dist.,
 marked T 22 N R 9 W S 32 B T.
 Land, rolling. Soil, 3rd rate, sandy, gravelly, loose.
 Cedar, few pinons, cacti, good grass.

Chains.

- West, bet. secs. 5 & 32.
Over rolling, broken land, asc. grad. through dense cedar.
- 11.55 Road, brs. NE. & SW.
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 14 ins. diam. brs. N. $63\frac{1}{2}^{\circ}$ W. 21 lks. dist., marked $\frac{1}{4}$ S 32 B T.
A cedar tree 8 ins. diam. brs. S. $6\frac{1}{2}^{\circ}$ E. 43 lks. dist., marked $\frac{1}{4}$ S 5 B T.
- 46.00 Desc. grad.
52.00 Draw, 4 chs. wide, course SE., asc.
68.00 Top of rise, brs. N. & S., desc.
80.00 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 9 W in W. half, S 31 in NW., S 32 in NE., S 5 in SE., and S 6 in SW. quadrants; from which,
A cedar tree 14 ins. diam. brs. N. 74° E. 42 lks. dist., marked T 22 N R 9 W S 32 B T.
A cedar tree 10 ins. diam. brs. S. 10° E. 31 lks. dist., marked T 21 N R 9 W S 5 B T.
A cedar tree 18 ins. diam. brs. S. 22° W. 42 lks. dist., marked T 21 N R 9 W S 6 B T.
A cedar tree 14 ins. diam. brs. N. $31\frac{1}{2}^{\circ}$ W. 56 lks. dist., marked T 22 N R 9 W S 31 B T.
- Land, rolling. Soil, 3rd rate, gravelly, dry.
Cedar, some pinon, good grass.
At this cor. at noon, I set off $16^{\circ}24'$ S. on the decl. arc, and observe the sun on the meridian.
The resulting lat. is $35^{\circ}15'$ N.

- West, bet. secs. 6 & 31, Var. $14\frac{1}{2}^{\circ}$ E. local attraction. 2°
Over heavily rolling land, through dense cedar timber. 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 31 in N., and S. 6 in S. half; from which,
A cedar tree 10 ins. diam. brs. N. 88° W. 67 lks. dist., marked $\frac{1}{4}$ S 31 B T.
A cedar tree 8 ins. diam. brs. S. 78° W. 59 lks. dist., marked $\frac{1}{4}$ S 6 B T.
- Reservoir and dam in canyon $\frac{1}{2}$ mile to S. Asc. steep from cor.
50.00 Top of hill, brs. N. & S. Ends 5 chs. to S., desc. steep.
68.00 Foot, enter draw, course S., 5 chs. wide.
79.49 Allowing 51 lks. for convergency, as per instructions, I Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Tps. 21 & 22 N., Rs. 9 & 10 W., marked on brass cap,
T 22 N in N.,
T 21 N. in S.,
R 9 W. in E., and
R 10 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 12 ins. diam. brs. N. 56° E. 83 lks. dist., marked T 22 N R 9 W S 31 B T.
A cedar tree 14 ins. diam. brs. S. 34° E. 28 lks. dist., marked T 21 N R 9 W S 6 B T.
A cedar tree 14 ins. diam. brs. S. $34\frac{1}{2}^{\circ}$ W. 115 lks. dist., marked T 21 N R 10 W S 1 B T.
A cedar tree 36 ins. diam. brs. N. $13\frac{1}{2}^{\circ}$ W. 86 lks. dist., marked T 22 N R 10 W S 36 B T.
- Land, rolling, hilly. Soil, 3rd rate, gravelly, stony.
Cedar, pinon, good grass.
Nov. 8, 1911.

Chains.

- Nov. 9, 1911.
 At 8h a.m., l.m.t., at the cor. of Tps. 21 & 22 N.,
 Rs. 9 & 10 W., just established & described by me,
 I set off $16^{\circ}36\frac{1}{2}'$ S. on the decl. arc, and $35^{\circ}15'$ N. on
 the lat. arc, and determine a meridian with the solar.,
 Thence I run, as per instructions,
 North, bet. secs. 31 & 36, on range line,
 Var. $15\frac{1}{2}^{\circ}$ E.
 Over mts. land, desc. grad., through dense cedar.
- 11.60 Junction of 2 washes, from NW. & NE., 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 36 in W., and
 S 31 in E. half, from which,
 A cedar tree 15 ins. diam. brs. N. $47\frac{1}{2}^{\circ}$ E. 95 lks. dist.,
 marked $\frac{1}{4}$ S 31 B T.
 A cedar tree 10 ins. diam. brs. N. 13° W. 53 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 22 N in N. half,
 R 10 W S 25 in NW.,
 R 9 W S 30 in NE.,
 S 31 in SE., and
 S 36 in SW. quadrants, from which,
 A cedar tree 14 ins. diam. brs. N. 70° E. 18 lks. dist.,
 marked T 22 N R 9 W S 30 B T.
 A cedar tree 12 ins. diam. brs. S. 21° E. 40 lks. dist.,
 marked T 22 N R 9 W S 31 B T.
 A cedar tree 12 ins. diam. brs. N. 30° W. 75 lks. dist.,
 marked T 22 N R 10 W S 25 B T.
 A pinon tree 10 ins. diam. brs. S. 70° W. 73 lks. dist.,
 marked T 22 N R 10 W S 36 B T.
- Land, mts., rolling. Soil, 3rd rate, gravelly, calcareous.
 Cedar, pinon, scrub oak. Fair grass in places.

- North, bet. secs. 25 & 30.
 Over mts. land, asc. through dense cedar, pinon.
- 20.00 Top of dividing ridge, brs. E. & W. desc. WNW. slope.
- 28.00 Desc. steep NW. slope.
- 35.00 Foot of main slope, brs. E. & W.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 25 in W., and
 S 30 in E. half, from which,
 A cedar tree 18 ins. diam. brs. West, 5 lks. dist.,
 marked $\frac{1}{4}$ S 25 B T.
 A cedar tree 24 ins. diam. brs. S. 80° E. 55 lks. dist.,
 marked $\frac{1}{4}$ S 30 B T.
- 65.00 Draw, 4 chs. wide, course ENE.
- 76.00 Ascend.
- 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. 10 W, S 24 in NW.,
 R 9 W S 19 in NE.,
 S 30 in SE., and
 S 25 in SW. quadrants, from which,
 A cedar tree 20 ins. diam. brs. N. 44° E. 134 lks. dist.,
 marked T 22 N R 9 W S 19 B T.
 A cedar tree 30 ins. diam. brs. S. 64° E. 101 lks. dist.,
 marked T 22 N R 9 W S 30 B T.
 A cedar tree 24 ins. diam. brs. S. 65° W. 178 lks. dist.,
 marked T 22 N R 10 W S 25 B T.
 A cedar tree 14 ins. diam. brs. N. 47° W. 85 lks. dist.,
 marked T 22 N R 10 W S 24 B T.

Chains.

Land, mts., broken.
Soil, 3rd rate, stony, gravelly, dry. Cedar, pinon.
At this cor., at noon, clouds obscure the sun.
Impracticable to observe the latitude.

North, bet. secs. 19 & 24.

Over rolling land, through dense cedar.
barren limestone ledges, in places.

40.00 Set an iron post 3 ft. long, 1 in. in diam., on bed-rock,
in mound of stone, 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 12 ins. diam. brs. N.80°E. 74 lks. dist.,
marked $\frac{1}{4}$ S 19 B T.

A cedar tree 24 ins. diam. brs. S.84°W. 40 lks. dist.,
marked $\frac{1}{4}$ S 24 B T.

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 22 N, in N. half,
R 10 W S 13 in NW.,
R 9 W S 18 in NE.,
S 19 in SE., and

S 24 in SW. quadrants, from which,

A cedar tree 20 ins. diam. brs. N.57°E. 72 lks. dist.,
marked T 22 N R 9 W S 18 B T.

A cedar tree 20 ins. diam. brs. S.37°E. 172 lks. dist.,
marked T 22 N R 9 W S 19 B T.

A cedar tree 24 ins. diam. brs. S.19°W., 113 lks. dist.,
marked T 22 N R 10 W S 24 B T.

Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Land, rolling, . Soil, 3rd rate, stony.
Cedar, pinon, scrub oak, sparse grass. Nov. 9, 1911.

Nov. 10, 1911.

At 8h a.m., l.m.t., at the above corner, I set of $16^{\circ}54'$ 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.

36.88 Over heavily rolling land, desc. grad. through cedar,
Wire fence, brs. N.72°W. & S. 72°E. cor. 6 chs. to SE.,
Enter pasture of Campbell and Francis. leave 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,

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

40.60 Gulch, 50 lks. wide, course NE. asc.

63.00 Top of broken mesa, brs. NE. & SW.

Small reservoir with water in canyon, 10 chs. to E.

Small adobe house, vacant, 20 chs. to E.

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 22 N, in N. half,
R 10 W S 12 in NW.,
R 9 W S 7 in NE.,
S 18 in SE., and

S 13 in SW. quadrants, from which,

A cedar tree 18 ins. diam. brs. N.48°E. 190 lks. dist.,
marked T 22 N R 9 W S 7 B T.

A cedar tree 12 ins. diam. brs. S.36°E. 72 lks. dist.,
marked T 22 N R 9 W S 18 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, broken.
Soil, 3rd rate, stony, gravelly.
Sparse cedar, pinon, cacti. Good grass.

Chains

North, bet. secs. 7 & 12.

- Over rolling land, through scattering cedar.
 - 28.12 Wire fence, brs. S.60°E. & N.60°W., cor. about 40 chs. SE. and 4 chs. to NW. leave pasture.
 - 32.00 Leave cedars, brs. NW. & SE. enter open plain.
 - 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 22 N, in N. half,
 - R 10 W S 1 in NW.,
 - R 9 W S 6 in NE.,
 - S 7 in SE., and
 - S 12 in SW. quadrants,
 - 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, gravelly, sandy.
Cedar, few cacti. Good grass.
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 gently undulating valley, smooth and grassy.
 - 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. 22 & 23, N., Rs. 9 & 10 W., marked on brass cap,
 - T 23 N, in N.,
 - T 22 N, in S.,
 - R 9 W, in E., and
 - R 10 W, in W. half,
 - S 36 in NW.,
 - S 31 in NE.,
 - S 6 in SE., and
 - S 1 in SW. quadrants;
 - dig pits 24x24x12 ins., on each line, N., E., and 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.
- No bearings available.
Land, gently rolling.
Soil, 3rd & 2nd rate, sandy, loamy, loose, moist in places.
No timber. Sparse sage brush, cacti. Fine gramma grass.
Nov. 10, 1911.

Chains. Nov. 11, 1911. as described by the Surveyor General
 At 8^h a.m., l.m.t., at the cor. of Tps. 22 & 23 N., Rs. 9 & 10 W., which is an iron post 3 ins. in diam., 1 ft. above ground, with brass cap, marked & witnessed
 I set off 35° 20' N. on the lat. arc, and 17° 10½' S. on the decl. arc, and determine a true meridian with the solar, Thence I run, as per instructions,
 West, on a random line, on N. bdy. of Tp.
 At 5 miles, 79.00 chs. I intersect the West Bdy. of Tp. 15 lks. S. of cor. of Tps. 22 & 23 N., Rs. 9 & 10 W., Whence I run, on true line,
 S. 89° 59' E., bet. secs. 6 & 31.
 Var. 16° E.
 Over level grassy valley, smooth and open.
 39.00 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 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 3½ ft. base, 1½ ft. high N. of cor.
 45.75 Road, brs. NNW. & SSE.
 76.91 Old road, brs. NNW. & SSE.
 79.00 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 9 W, in W. half,
 S 31 in NW.,
 S 32 in NE.,
 S 5 in SE., and
 S 6 in SW. quadrants,
 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, open.
 Soil, 2nd rate, sandy, loose, dry.
 Sparse sage brush, cacti. Fine native grass.

S. 89° 59' E., bet. secs. 5 & 32.
 Over rolling land, asc. grad.
 18.53 Road, brs. N. & S.
 40.00 Foot of slope, brs. N. & S., asc. through cedar.
 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 32 in N., and
 S 5 in S. half, from which,
 A cedar tree 10 ins. diam. brs. N. 67° E. 280 lks. dist., marked ¼ S 32 B T.
 A cedar tree 10 ins. diam. brs. S. 35½° W. 75 lks. dist., marked ¼ S 5 B T.
 65.00 Top of ridge, brs. N. & S. desc. through dense cedar.
 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., and
 R 9 W in W. half,
 S 32 in NW.,
 S 33 in NE.,
 S 4 in SE., and
 S 5 in SW. quadrants, from which,
 A cedar tree 14 ins. diam. brs. N. 42¼° E. 162 lks. dist., marked T 23 N R 9 W S 33 B T.
 A cedar tree 12 ins. diam. brs. N. 30° W. 174 lks. dist., marked T 23 N R 9 W S 32 B T.
 A cedar tree 10 ins. diam. brs. S. 44° W. 127 lks. dist., marked T 22 N R 9 W S 5 B T.
 A cedar tree 12 ins. diam. brs. S. 35° E. 91 lks. dist., marked T 22 N R 9 W S 4 B T.
 Land, mts. Soil, 3rd rate, gravelly. Cedar, fair grass.
 At this cor., at noon, I set off 17° 15½' S. on the decl. arc, and observe the sun on the meridian.
 The resulting lat. is 35° 20' N.

Chains.

- S. 89°59' E., bet. secs. 4 & 33.
Over mts. land, desc. ESE. slope, through dense cedar, and pinon.
- 22.00 Foot of main slope, thence 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 33 in N., and
S 4 in S. half, from which,
A cedar tree 24 ins. diam. brs. N.73°W. 41 lks. dist., marked $\frac{1}{4}$ S 33 B T.
A cedar tree 12 ins. diam. brs. S.76°E. 37 lks. dist., marked $\frac{1}{4}$ S 4 B T.
- 68.00 Asc. W. slope of rocky hill, 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. 3,4,33 & 34, marked on brass cap, T 23 N in N.,
T 22 N in S., and
R 9 W in W. half,
S 33 in NW.,
S 34 in NE.,
S 3 in SE., and
S 4 in SW. quadrants, from which,
A cedar tree 14 ins. diam. brs. N.23°E. 144 lks. dist., marked T 23 N R 9 W S 34 B T.
A cedar tree 12 ins. diam. brs. S.44°E. 61 lks. dist., marked T 22 N R 9 W S 3 B T.
A cedar tree 10 ins. diam. brs. S.26 $\frac{1}{4}$ °W. 40 lks. dist., marked T 22 N R 9 W S 4 B T.
A cedar tree 16 ins. diam. brs. N.79°W. 114 lks. dist., marked T 23 N R 9 W S 33 B T.
- Land, mts., rolling.
Soil, 3rd rate, gravelly.
Cedar, pinon, fair grass in places.

Bedrock

- S. 89°59' E., bet. secs. 3 & 34.
Over mts. land, asc. through dense cedar.
- 8.00 Top of hill, brs. NNW. & SSE., near SE. end., desc.
- 22.00 Foot of main slope, brs. N. & S., desc. grad.
- 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 24 ins. diam. brs. N.9 $\frac{3}{4}$ °E. 296 lks. dist., marked $\frac{1}{4}$ S 34 B T.
A cedar tree 18 ins. diam. brs. S.4 $\frac{1}{4}$ °W. 200 lks. dist., marked $\frac{1}{4}$ S 3 B T.
- 42.00 Leave cedar, brs. N. & S.
- 58.00 Enter valley, foot of slope, 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. 2,3,34 & 35, marked on brass cap, T 23 N in N.,
T 22 N in S., and
R 9 W in W. half,
S 34 in NW.,
S 35 in NE.,
S 2 in SE., and
S 3 in SW. quadrants,
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, mts., rolling,
Soil, 3rd & 2nd rate, sandy, gravelly, loose, dry.
Cedar, pinon, sage brush, fine grass in valley.

Chains.

S. 89°59' E., bet. secs. 2 & 35.
 Over gently rolling land, desc. grad.
 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, 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.
 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., and
 R 9 W in W. half,
 S 35 in NW.,
 S 36 in NE.,
 S 1 in SE., and
 S 2 in SW. quadrants;
 dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth $4\frac{1}{4}$ ft. base, 2 ft. high W. of cor.
 Land, level, gently undulating.
 Soil, 2nd rate, clayey, heavy, with calcareous subsoil.
 Sparse sage brush cacti. Good gramma grass.

S. 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 $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 36 in N., and S $\frac{1}{4}$ 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.
 80.00 To cor. of Tps. 22 & 23 N., Rs. 8 & 9 W., heretofore described.
 Land, gently rolling. Soil, 3rd rate, clayey, heavy.
 Sparse sage brush, good gramma grass. Nov. 11, 1911.

General Description.

The South, West, and North Boundaries of T. 22 N., R. 9 W., run over a hilly, or rolling country, with several smooth open valleys.
 The land is in general 2nd & 3rd rate, of a gravelly texture, with some sand and clay in places.
 There is some cedar, and pinon timber along parts of the line. No permanent water noted at any place.
 The valleys are covered with a fine growth of gramma or native grass, and very valuable for grazing.

Boundaries of T. 22 N., R. 9 W.
 Latitudes, Departures, and closing errors.

Line Designated.	True bearing.	Distance	Latitudes.		Departures.	
			N.	S.	E.	W.
South Boundary,	West,	479.49	.....	.....	.....	479.49
West Boundary,	North,	480.00	480.00	.....	.....	.....
North Boundary,	S. 89° 59' E.	479.00	.....	.14	479.00	.....
End Gd. Meridian W	South,	480.00	.....	480.00	.....	.....
Convergency, .....	.....	.....	.....	.....	0.51	.....
Totals, .....	.....	.....	480.00	480.14	479.51	479.49
Error in latitude, .....	.....	.....	.....	480.00	479.49	.....
Error in Departure, .....	.....	.....	.....	0.14	.....	.....
.....	.....	.....	.....	.....	0.02	.....

Nov. 11, 1911.

Jesse B. Wright

U. S. Surveyor.

Chains.

Nov. 13, 1911.

At 8h a.m., l.m.t., at the cor. of Tps. 22 & 23 N., Rs. 9 & 10 W., as established by me, & ~~heretofore~~ **hereinbefore** described.

I set off $17^{\circ}43\frac{1}{2}'$ 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,

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

At 5 miles, 79.81 chs., I intersect the South bdy. of T. 24 N., R. 9 W., 28 lks. E. of cor. of Tps. 23 & 24 N., Rs. 9 & 10 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;

Whence I run,

S. $0^{\circ}2'$ E., on a true line, on West bdy. of Tp., bet. secs. 1 & 6.

Over gently rolling land, through scattering cedar.

39.81 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 12 ins. diam. brs. East, 13 lks. dist., marked $\frac{1}{4}$ S 1 B T.

A pinon tree 10 ins. diam. brs. $N.35^{\circ}W.$ 68 lks. dist., marked $\frac{1}{4}$ S 6 B T. Asc. from cor.

47.00 Top of hill, brs. E. & W., desc.

78.20 Gulch, 30 lks. wide, course SE., asc.

79.81 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 10 W, S 1 in NW.,

R 9 W S 6 in NE.,

S 7 in SE., and

S 12 in SW. quadrants, from which,

A cedar tree 14 ins. diam. brs. $N.46^{\circ}E.$ 11 lks. dist., marked T 23 N R 9 W S 6 B T.

A cedar tree 12 ins. diam. brs. $S.51^{\circ}E.$ 73 lks. dist., marked T 23 N R 9 W S 7 B T.

A cedar tree 10 ins. diam. brs. $S.30^{\circ}W.$ 26 lks. dist., marked T 23 N R 10 W S 12 B T.

A cedar tree 30 ins. diam. brs. $N.30^{\circ}W.$ 120 lks. dist., marked T 23 N R 10 W S 1 B T.

Land, rolling, mts. Soil, 3rd rate, stony, gravelly. Cedar, pinon, scrub oak. Fair grazing.

S. $0^{\circ}2'$ E., bet. secs. 7 & 12.

Over mts., broken land, asc. grad.

10.00 Top of rise, slopes E., desc. through scattering cedar.

15.00 Gulch, 50 lks. wide, course ESE. asc.

22.00 Top, of rise, continue to ascend gradually.

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 24 ins. diam. brs. $N.29^{\circ}E.$ 139 lks. dist., marked $\frac{1}{4}$ S 7 B T.

A cedar tree 10 ins. diam. brs. $S.79^{\circ}W.$ 112 lks. dist., marked $\frac{1}{4}$ S 12 B T.

43.28 Dim. road, brs. NW. & SE. desc. grad.

52.00 Desc.

66.00 Ravine, course W., asc. through dense cedar.

76.00 Leave cedar, brs. E. & W.

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 10 W S 12 in NW.,

R 9 W S 7 in NE.,

S 18 in SE., and

S 13 in SW. quadrants,

raise a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high W. of cor. Nov. 13, 1911.

Land, rolling. Soil, 3rd rate stony.

Chains

- Nov. 14, 1911.
At 8h 30m a.m., l.m.t., at the above described corner, I set off $18^{\circ}05'$ S. on the decl. arc, and $35^{\circ}23\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run,
S. $0^{\circ}2'$ E., bet. secs. 13 & 18.
Over hilly land, asc. through scattering cedar.
26.00 Top of hill, brs. E. & W., desc. stony SE. slope.
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 24 ins. diam. brs. N. 43° E. 144 lks. dist., marked $\frac{1}{4}$ S. 18 B T. No other trees available.
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
48.00 Foot of hill, brs. E. & W., desc. grad., leave cedar.
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 10 W S 13 in NW.,
R 9 W S 18 in NE.,
S 19 in SE., and
S 24 in SW. quadrants,
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, hilly.
Soil, 3rd rate, stony, gravelly.
Cedar, few pinon, cacti. Fair grass.
-
- S. $0^{\circ}2'$ E., bet. secs. 19 & 24.
Over gently rolling land, desc. grad.
1.17 Road, brs. NE. & SW.,
Ranch of John Mund, brs. WNW., about $1\frac{1}{2}$ miles.
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. 19, 24, 25 & 30, marked on brass cap,
T 23 N in N. half,
R 10 W S 24 in NW.,
R 9 W S 19 in NE.,
S 30 in SE., and
S 25 in SW. quadrants,
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, gravelly.
Sparse sage brush, cacti. Fair grass.
At this cor., at noon, I set off $18^{\circ}4\frac{1}{2}'$ S. on the decl. arc, and observe the sun on the meridian. the resulting lat. is $35^{\circ}22'$ N.

West Boundary of T. 23 N., R. 9 W.

Chains. S. 0° 2' E., bet. secs. 25 & 30.
 Over gently rolling valley, desc. grad.
 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 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 23 N in N. half,
 R 10 W S 25 in NW.,
 R 9 W S 30 in NE.,
 S 31 in SE., and
 S 36 in SW. quadrants,
 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, rolling.
 Soil, 3rd rate, gravelly, sandy, loose .
 Sparse sage brush, cacti. Good native grass.

S. 0° 2' E., bet. secs. 31 & 36.
 Over gently undulating, open, grassy valley.
 35.15 Road, Seligman, to Nelson, brs. NW. & SE.
 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 To cor. of Tps. 22 & 23 N., Rs. 9 & 10 W., hereinbefore described.
 Land, level, gently undulating.
 Soil, 2nd & 3rd rate, sandy, gravelly, loose, dry.
 Sparse sage brush, cacti. Good native grass.

Boundaries of T. 23 N., R. 9 W.
 Latitudes, Departures, and Closing Errors.

Line Designated.	True Bearing	Distance	Latitudes		Departures	
			N.	S.	E.	W.
South Boundary, ...	N. 89° 59' W.	479.00	..0.14	.....	.....	479.00
West Boundary,	N. 0° 2' W.	479.81	479.81	.....	.....	..0.28
North Boundary, ...	East, ...	478.46	.....	.....	478.46	.....
2nd Gd. Meridian W.	South, ...	480.00	.....	480.00	.....	.....
Convergency, .....	.....	.....	.....	.....	..0.51	.....
Totals, .....	.....	.....	479.95	480.00	478.97	479.28
			.....	479.95	.....	478.97
Error in Latitude, .....	.....	.....	.....	0.05	.....	.....
Error in Departure, .....	.....	.....	.....	.....	.....	0.31

General Description.

The West Boundary of T. 23 N., R. 9 W., runs over a hilly or rolling country in the northern part of the line, and over a smooth open valley in the southern part or three miles of the line.
 There is some cedar and pinon timber in the northern part, while the valley to the south is open, and covered with a fine growth of native grass.
 There is no water or settlers on the line.
 To the West, the rolling hills, and valley extend about three miles. The East half of T. 23 N., R. 10 W., should be subdivided.

Nov. 14, 1911.

Jesse B. Wright
 U. S. Surveyor.

Chains.

Dec. 8, 1911.
 At 9h a.m., l.m.t., at the cor. of Tps. 22 & 23 N., Rs. 7 and 8 W., as recently established by W.H.Elliott, and by him described, in Book 1,
 I set off 22°37½' 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,
 East, on S. bdy. of Tp., bet. secs. 6 & 31.
 over mts. land, desc. E. slope, through dense cedar.
 30.00 Foot of main slope, brs. N. & S., thence desc. grad. through scattering 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 31 in N., and
 S 6 in S. half; from which,
 A cedar tree 20 ins.diam.brs. N.20½°E. 32 lks. dist., marked ¼ S 31 B T.
 A cedar tree 20 ins.diam.brs. S.47°E. 92 lks. dist., marked ¼ S 6 B T.
 50.00 Enter open grassy draw, brs. SSE. & NNW.
 80.00 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 7 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 14 ins.diam.brs. S.50½°W. 144 lks. dist., marked T 22 N R 7 W S 6 B T.
 A cedar tree 10 ins.diam.brs. N.30½°W. 106 lks. dist., marked T 23 N R 7 W S 31 B T.
 No other 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, mts., rolling. Soil, 3rd rate, gravelly, loose.
 Cedar, some pinon, scrub oak, good grass.

East, bet. secs. 5 & 32.
 Over open grassy draw.
 25.00 Leave draw, brs. SSE. & NNW., asc. grad., through cedar.
 33.00 Cedar knoll, brs. N. & S., desc.
 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 32 in N., and
 S 5 in S. half; from which,
 A cedar tree 24 ins.diam.brs. N.51½°W. 88 lks. dist., marked ¼ S 32 B T.
 No other trees in limits.
 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.
 60.00 Asc. grad.
 79.00 Top of limestone knoll 200 ft. high, brs. N. & S., desc.
 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., and
 R 7 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 20 ins.diam.brs. N.10°E. 144 lks. dist., marked T 23 N R 7 W S 33 B T.
 A cedar tree 14 ins.diam.brs. S.73°E. 99 lks. dist., marked T 22 N R 7 W S 4 B T.

Chains.

A cedar tree 14 ins.diam.brs. S. $21\frac{1}{2}^{\circ}$ W., 79 lks. dist.,
marked T 22 N R 7 W S 5 B T.

A cedar tree 6 ins.diam. brs. N. 76° W. 163 lks. dist.,
marked T 23 N R 7 W S 32 B T.

Land, rolling.

Soil, 3rd rate, gravelly, loose.

Scattering cedar, pinon, scrub oak, cacti, good grass.

At this cor., at noon, I set off $22^{\circ}39'$ S. on the decl.
arc and observe the sun on the meridian.

The resulting lat. is $35^{\circ}20'$ N.

East, bet. secs. 4 & 33.

Over heavily rolling land, through dense cedar timber,
desc.

10.00 Asc.

27.00 Top of limestone ridge, brs. N. & S., 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 33 in N., and

S 4 in S. half; from which,

A cedar tree 10 ins.diam.brs. N. 24° E. 143 lks. dist.,
marked $\frac{1}{4}$ S 33 B T.

A cedar tree 10 ins.diam.brs. S. 49° E. 29 lks. dist.,
marked $\frac{1}{4}$ S 4 B T.

Foot of slope, brs. NE. & SW., enter grassy draw, drains S.

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., and

R 7 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 10 ins.diam.brs. N. 25° E. 66 lks. dist.,
marked T 23 N R 7 W S 34 B T.

A cedar tree 10 ins.diam.brs. S. 83° E. 120 lks. dist.,
marked T 22 N R 7 W S 3 B T.

A cedar tree 12 ins.diam.brs. S. $22\frac{1}{2}^{\circ}$ W. 114 lks. dist.,
marked T 22 N R 7 W S 4 B T.

A cedar tree 14 ins.diam.brs. N. $3\frac{1}{2}^{\circ}$ W. 200 lks. dist.,
marked T 23 N R 7 W S 33 B T.

Land, heavily rolling, hilly.

Soil, 3rd rate, sandy, gravelly, calcareous.

Cedar, pinon, scrub oak, cacti, fine grass in draws.

Dec. 8, 1911.

Chains.

Dec. 9, 1911.

At 8h a.m., l.m.t., at the above described corner of sec. 34,
I set off 22°42' S. on the decl. arc, and 35°20' N. on
the lat. arc, and determine a meridian with the solar.
Thence I run,

East, bet. secs. 3 & 34.

Over rolling land, asc. grad. along NW. slope, through
scattering cedar, fine grass.

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 10 ins. diam. brs. N. 83° E. 31 lks. dist.,
marked $\frac{1}{4}$ S 34 B T.

A cedar tree 10 ins. diam. brs. S. 56° W. 86 lks. dist.,
marked $\frac{1}{4}$ S 3 B T.

57.00 Top of broken mesa, brs. NE. & SW.

60.31 E. rim of mesa, brs. NE. & SW., desc. prec. SE. slope.

80.00 Foot of main slope, brs. NE. & SW. 300 ft. below rim.

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., and

R 7 W in W. half,

S 34 in NW.,

S 35 in NE.,

S 2 in SE., and

S 3 in SW. quad.;

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

No trees available. Pits impracticable.

Land, rolling, mts. Soil, 3rd rate, stony, gravelly.

Cedar, pinon, good grass.

East, bet. secs. 2 & 35.

Across open valley, desc. grad.

25.00 Foot of slope, 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 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 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.

45.00 Grassy draw, middle of valley, drains to S., valley
extends about 10 miles to S.

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., and

R 7 W in W. half,

S 35 in NW.,

S 36 in NE.,

S 1 in SE., and

S 2 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, level.

Soil, 2nd rate, sandy, gravelly, loose.

Few cedar trees. Fine grass in valley.

At this cor., at noon, I set off 22°45' S. on the decl.
arc, and observe the sun on the meridian.

The resulting lat. is 35°20' N.

Chains.

East, bet. secs. 1 & 36.

Over open, grassy valley.

15.09 Road, brs. NNW. & SSE.

18.00 Enter 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 36 in N., and

S 1 in S. half; from which,

A cedar tree 10 ins. diam. brs. North, 146 lks. dist., marked $\frac{1}{4}$ S 36 B T.

A pinon tree 8 ins. diam. brs. S. 82° W. 65 lks. dist., marked $\frac{1}{4}$ S 1 B T.

91.56 Intersect West bdy. of T. 23 N., R. 6 W. 13.78 chs. N. of cor. of Tps. 22 & 23 N., Rs. 6 & 7 W., which is a limestone 8x8x8 ins. above ground, marked and witnessed as described by the Surveyor-General.

I change the markings of this cor. to refer to Tps. 22 & 23 N., R. 6 W., only, and at the point of intersection I

Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for closing cor. of Tps. 22 & 23 R., R. 7 W., marked on brass cap,

C C E. of centre,

R 7 W in W., and

T 23 N S 32, S 5, T 22 N R 6 W, in E. half,

T 22 N S 1 in SW., and

T 23 N S 36 in NW. quad.; from which,

A cedar tree 10 ins. diam. brs. N. 9° W. 26 lks. dist., marked T 23 N R 7 W S 36 C C B T.

A pinon tree 8 ins. diam. brs. S. 84° W. 235 lks. dist., marked T 22 N R 7 W S 1 C C B T.

Land, level, gently rolling.

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

Cedar, pinon, scrub oak, cacti, fair 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., as recently established by W.H. Elliott,
and by him described, in Book 1,

I set off 22753' 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,

East, on N. bdy. of Tp., bet. secs. 6 & 31.

Over open 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 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.

63.50 Telegraph line parallel to R.R.

64.52 Centre of main single track of Atchison, Topeka &
Santa Fe Railroad, brs. N.56°08'W. & S.56°08' E.

Mile post No. 441 brs. S.56°08'E. 101 lks. dist.

65.50 Telegraph line parallel to R.R.

80.00 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 7 W in W. half,
S 31 in NW., S 32 in NE., S 5 in SE., and S 6 in SW.
quadrants; No 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, level, gently undulating.

Soil, 2nd & 3rd rate, sandy, loose, dry.

Sparse sage brush, cacti, good native bunch grass.

East, bet. secs. 5 & 32.

Over open grassy valley.

3.43 Road, Seligman to Nelson, brs. NW. & 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 32 in N., and
S 5 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.

74.65 Dim old road, brs. NNW. & SSE.

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 7 W in W. half,
S 32 in NW.,
S 33 in NE.,
S 4 in SE., and
S 5 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, slightly undulating.

Soil, 3rd rate, sandy, loose.

Sparse sage brush, cacti, fine native grass.

Chains.

East, bet. secs. 4 & 33.
Over open 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 33 in N., and
S 4 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.

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.,
T 23 N in S., and
R 7 W in W. half,
S 33 in NW.,
S 34 in NE.,
S 3 in SE., and
S 4 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, gently undulating.
Soil, 3rd rate, sandy, loose, dry.
Sparse sage brush, cacti, good grass.
At this cor., at noon, I set off $22^{\circ}56\frac{1}{2}'$ S. on the decl. arc, and observe the sun on the meridian.
The resulting lat. is $35^{\circ}25'$ N.

East, bet. secs. 3 & 34.
Over level, 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 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

80.00 Set an iron post 3 ft. long, 3 ins. 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 7 W in W. half,
S 34 in NW.,
S 35 in NE.,
S 2 in SE., and
S 3 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, gently undulating.
Soil, 3rd rate, sandy, loose, dry, some clay underlying.
Sparse sage brush, cacti, fine native bunch grass.

Chains.

East, bet. secs. 2 & 35:
 Over open, 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 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor. Cor. at lowest place in middle of valley, fine sandy loam.
 64.69 Main road, Pine Springs to Seligman, brs. NNW. & SSE.
 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 24 N in N., T 23 N in S., and R 7 W in W. half; S 35 in NW., S 36 in NE., S 1 in SE., and S 2 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, loose, sandy loam. Sparse sage brush, cacti, fair grass. Dec. 11, 1911.

Dec. 12, 1911.
 At 8h a.m., l.m.t., at the above described corner, I set off 22758' S. on the decl. arc, and 35°25' N. on the lat. arc, and determine a meridian with the solar, Thence I run,
 East, bet. secs. 1 & 36.
 Asc. grad.
 30.00 Foot of main slope, E. edge of valley, brs. NNW. & SSE. Asc. steep WSW. slope, 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 N., and S 1 in S. half; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. No trees in limits.
 45.00 Asc. prec. W. slope, through dense cedar & pinon.
 51.20 Top of W. rim of high bluff, 1000 ft. above valley, brs. NNW. & SSE. continue to ascend.
 67.00 Top of high mesa, 1200 ft. above valley, brs. NNW. & SSE.
 90.68 Intersect West bdy. of T. 24 N., R. 6 W., 14.37 chs. N. of cor. of Tps. 23 & 24 N., Rs. 6 & 7 W., which is a cedar post 5 ins. sq. 3 ft. above ground, marked and witnessed as described by the Surveyor-General. I change the markings of this cor. to refer to Tps. 23 & 24 N., R. 6 W., only, and at point of intersection, I Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for closing cor. of Tps. 23 & 24 N., R. 7 W., marked on brass cap, C C E. of centre, R 7 W in W., and T 24 N S 32, S 5 T 23 N R 6 W, in E. half, T 23 N, S 1 in SW., and T 24 N S 36 in NW. quad.; from which, A cedar tree 20 ins. diam. brs. S. $3\frac{1}{2}$ ° W. 150 lks. dist., marked T 23 N R 7 W S 1 C C B T. A cedar tree 18 ins. diam. brs. N. 28° W. 247 lks. dist., marked T 24 N R 7 W S 36 C C B T.
 Land, rolling, mts.
 Soil, 3rd rate, gravelly, stony.
 Cedar, pinon, scrub oak, fair grass.

- General Description. -

The South bdy. of T. 23 N., R. 7 W. runs over a rolling country covered with a fair growth of cedar & pinon, very dense in places, and a good growth of gramma and native bunch grass.

The land is fertile and would produce well where watered.

The North bdy. of T. 23 N., R. 7 W. runs over a smooth, open grassy valley for five miles to the West, covered with a good growth of gramma and coarse bunch grass.

This valley is very fertile in places, and parts of it could be cultivated in good seasons with the usual rainfall. There is no water available for irrigation.

Boundaries of T. 23 N., R. 7 W.
Latitudes, departures, and closing errors.

Line designated.	True bearing.	Distance.	Latitudes.		Departures.	
			N.	S.	E.	W.
South Boundary, ..	West,	491.56	-----	-----	-----	491.56
West Boundary, ..	North, ...	480.00	480.00	-----	-----	-----
North Boundary, ..	East,	490.68	-----	-----	490.68	-----
East Boundary, ..	South, ...	480.59	-----	480.59	-----	-----
Convergency, ....	.....	.....	.....	.....	....51	-----
Totals, .....	.....	.....	480.00	480.59	491.19	491.56
Error in latitude, .....	.....	.....	-----	480.00	-----	491.19
Error in departure, .....	.....	.....	.....	.....	.....	.....37

Dec. 12, 1911.

Jesse B. Wright

U. S. Surveyor.

Chains.

Dec. 12, 1911.

At 8h a.m., l.m.t., at the cor. of Tps. 23 & 24 N., R. 6 W., which is a cedar post 5 ins. sq. 3 ft. above ground, marked and witnessed as described by the Surveyor-General,

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, as per instructions,

North, bet. secs. 32, of T. 24 N., R. 6 W., and sec. 1, of T. 23 N., R. 7 W., over high rolling mesa.

14.37 Closing cor. of Tps. 23 & 24 N., R. 7 W., as established and heretofore described.

Thence bet. secs. 32 & 36.

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., sec. 32, marked on brass cap, $\frac{1}{4}$ S 32 in E. half; from which,

A cedar tree 10 ins. diam. brs. N. $27\frac{1}{2}^{\circ}$ E. 178 lks. dist., marked $\frac{1}{4}$ S 32 B T.

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

60.00 Enter dense cedar, brs. E. & W.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 29 & 32, marked on brass cap, T 24 N, in N. half, and

S 25, S 36 R 7 W in W. half,

S 29 in NE., and

S 32, R 6 W, in SE. quad.; from which,

A pinon tree 10 ins. diam. brs. N. 47° E. 108 lks. dist., marked T 24 N R 6 W S 29 B T.

A cedar tree 8 ins. diam. brs. S. 79° E. 81 lks. dist., marked T 24 N R 6 W S 32 B T.

Land, rolling, now covered with snow 1 ft. deep.

Soil, 3rd rate, gravelly, dry.

Cedar, pinon, fair grazing.

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 $35^{\circ}26'$ N.

North, on West bdy. of sec. 29.

Over high rolling mesa, through dense cedar & 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., sec. 29, marked on brass cap, $\frac{1}{4}$ S 29 in E. half; from which,

A pinon tree 14 ins. diam. brs. East, 25 lks. dist., marked $\frac{1}{4}$ S 29 B T.

A pinon tree 12 ins. diam. brs. S. 30° E. 38 lks. dist., marked $\frac{1}{4}$ S 29 B T.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 20 & 29, marked on brass cap, T 24 N in N., and

S 24, S 25 R 7 W in W. half,

S 20 in NE., and

S 29 R 6 W, in SE. quad.; from which,

A cedar tree 10 ins. diam. brs. N. 6° E. 28 lks. dist., marked T 24 N R 6 W S 20 B T.

A cedar tree 10 ins. diam. brs. S. 80° E. 16 lks. dist., marked T 24 N R 6 W S 29 B T.

Land, rolling.

Soil, 3rd rate, gravelly, loose.

Dense cedar and pinon, good grass.

Dec. 12, 1911.

Chains.

Dec. 13, 1911.

At 9 h a.m., l.m.t., at the above described corner,

I set off $23^{\circ}04\frac{1}{2}'$ S. on the decl. arc, and $35^{\circ}27'$ N. on the lat. arc, and determine a meridian with the solar. Thence I run,

North, on West bdy. of sec. 20.

Over high rolling mesa, through dense cedar and pinon.

25.64 Ravine 50 lks. wide, course NE.

31.68 Ravine 150 lks. wide, course E., 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., sec. 20, marked on brass cap, $\frac{1}{4}$ S 20 in E. half; from which,A cedar tree 6 ins. diam. brs. S. 63° E. 154 lks. dist., marked $\frac{1}{4}$ S 20 B T.A pinon tree 10 ins. diam. brs. N. 65° E. 150 lks. dist., marked $\frac{1}{4}$ S 20 B T.

60.00 Desc. grad., leave cedar and pinon, brs. E. & W.

64.00 Ravine, 150 lks. wide, course ENE. asc. grad.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 17 & 20, marked on brass cap, T 24 N in N., and

S 13, S 24 R 7 W, in W. half,

S 17 in NE., and

S 20 R 6 W, in SE. quad.;

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor. Land, rolling.

Soil, 3rd rate, gravelly, loose.

Cedar, pinon, good grass.

North, on West bdy. of sec 17.

Over heavily rolling mesa, sparse cedar. asc. grad.

10.00 Leave cedar, brs. E. & W., desc.

13.50 Ravine, 50 lks. wide, course ENE., asc.

26.00 Flat spur, brs. E. & W., desc.

37.00 Drain, 50 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., sec. 17, marked on brass cap, $\frac{1}{4}$ S 17 in E. half;raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor.

50.00 Top of flat ridge, brs. ENE. & WSW., desc. grad.

75.00 Desc.

75.00 Draw, 2 chs. wide, course E., asc. grad.

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

S 12, S 13 R 7 W, in W. half,

S 8 in NE., and

S 17 R 6 W in SE. quad.;

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

Land, rolling heavily.

Soil, 3rd rate, gravelly, loose.

Sparse cedar and pinon, 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 $35^{\circ}29'$ N.

Chains

North, on West bdy. of sec. 8.
 Over heavily rolling mesa, asc.
 6.00 Top of rise, brs. E. & W., desc.
 13.00 Head of gulch, course NE., asc.
 18.00 E. point of ridge, brs. E. & W., 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. sec. 8, marked on brass cap, $\frac{1}{4}$ S 8 in E. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor.
 42.00 Draw, 2 chs. wide, course ESE., asc.
 60.00 Top of rise, brs. E. & W., thence over rolling land, drains to E.
 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of secs. 5 & 8, marked on brass cap, T 24 N in N., and
 S 1, S 12 R 7 W, in W. half,
 S 5 in NE., and
 S 8, R 6 W in SE. quad.; from which,
 A cedar tree 24 ins. diam. brs. N. 62° E. 276 lks. dist., marked T 24 N R 6 W S 5 B T.
 No other trees available.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor.
 Land, heavily rolling.
 Soil, 3rd rate, gravelly.
 Few cedars, pinons, junipers. Good grass.

North, on West bdy. of sec. 5.
 Over rolling land, through scattering cedar and pinon.
 13.00 Ravine, 50 lks. 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. sec. 5, marked on brass cap, $\frac{1}{4}$ S 5 in E. half; from which,
 A cedar tree 6 ins. diam. brs. N. 49° E. 151 lks. dist., marked $\frac{1}{4}$ S 5 B T.
 A cedar tree 8 ins. diam. brs. S. 29° E. 110 lks. dist., marked $\frac{1}{4}$ S 5 B T.
 76.50 Wash, course E. from NW
 87.50 Intersect 6th Standard Parallel North, whence Standard cor. of sec. 31 & 32, T. 25 N., R. 6 W., brs. East, 11.57 chs. dist., which is an iron post 3 ft. long, 3 ins. in diam., 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. 6 & 7 W., marked on brass cap,
 C C, S. of centre,
 T 25 N, S 31, S 32 in N., and
 T 24 N, in S. half,
 S 5 R 6 W, in SE., and
 S 1 R 7 W, in SW. quad.; from which,
 A cedar tree 20 ins. diam. brs. S. 20° E. 242 lks. dist., marked T 24 N R 6 W S 5 C C B T.
 No other trees available.
 Raise a mound of stone 3 ft. base, 2 ft. high S. of cor.
 Land, heavily rolling.
 Soil, 3rd rate, gravelly, loose.
 Few cedar and pinons, fine grass.

-General Description.-

The West Boundary of T. 24 N., R. 6 W. runs over a high rolling mesa, well covered with native gramma and bunch grass, and in places with very dense cedar and pinon, with few juniper trees.
 The soil is a loose gravelly loam, covered in places with volcanic obsidian and showered tufa.
 There is no water on or near the line.
 The corners on this line I marked with reference to T. 24 N., R. 6 W., only, since closing sec. cors. must be st from the West, and the East Tp. is only about 5 miles wide.

Boundaries of T. 24 N., R. 7 W.
 Latitudes, departures, and closing errors.

Line designated..	True Bearing. chs.	Dist. Chs.	Latitudes.		Departures.	
			N. Chs.	S. Chs.	E. Chs.	W. Chs.
South Boundary	West, -----	490.68	-----	-----	-----	490.68
West Boundary	North, -----	473.06	473.06	-----	-----	-----
North Boundary	East, -----	490.03	-----	-----	490.03	-----
East Boundary	South, -----	473.13	-----	473.13	-----	-----
Convergency, -----					-0.51	-----
Totals,			473.06	473.13	490.54	490.68
				<u>473.06</u>		<u>490.54</u>
	Error in latitude,			0.07	-----	-----
	Error in departure,					0.14

Dec. 13, 1911.

Jesse B. Wright

U. S. Surveyor.

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, Jesse B. Wright, 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, West & North Bdrs. of Tp. 22 N.-R. 9 W.
West Boundary " Tp. 23 N.-R. 9 W.
North & South Bdrs. " Tp. 23 N.-R. 7 W.
West Boundary " Tp. 24 N.-R. 6 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 direction; and that said survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

Table with columns: NAME, PERIOD OF SERVICE (BEGUN, ENDED), CAPACITY. Rows include: Hubert Woodmont, Henry R. Harney, Elmer Welch, John H. Bates, Samuel Kenney, Frank David, Bert H. Miles.

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

Jesse B. Wright
U. S. Surveyor.

FINAL OATH OF UNITED STATES SURVEYOR.

I, Jesse B. Wright, 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, West & North Bdrs of Tp. 22 N. - R. 9 W.
West Boundary " Tp. 23 N. - R. 9 W.
North & South Bdrs. " Tp. 23 N. - R. 7 W.
West Boundary " Tp. 24 N. - R. 6 W.
of the Gila and Salt
River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey 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.

Jesse B. Wright
U. S. Surveyor.

Subscribed by said Jesse B. Wright, and sworn to before me }
this 15th day of October, 1912



Frank S. 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, West & North Bdrs of Tp. 22 N. - R. 9 W.
West Boundary " Tp. 23 N. - R. 9 W.
North & South Bdrs. " Tp. 23 N. - R. 7 W.
West Boundary " Tp. 24 N. - R. 6 W. of the
Gila & Salt River Base & Meridian, Arizona

executed by Jesse B. Wright, U. S. Surveyor
under his special instructions, ^{for Group 15} 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 S. 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.