

FIELD NOTES

OF THE SURVEY OF THE

Subdivision of frac. Township 25 North, Range 9 W.,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Jesse B. Wright,

and

William H. Elliott,

In the capacity of U. S. Surveyors, under instructions dated February 5, 1912,

issued by the United States Surveyor General to govern surveys included in

Group No. 16, which were approved by the Commissioner of the General Land

Office, March 1, 1912, pursuant to authority contained in the Act of

Congress dated June 25, 1910.

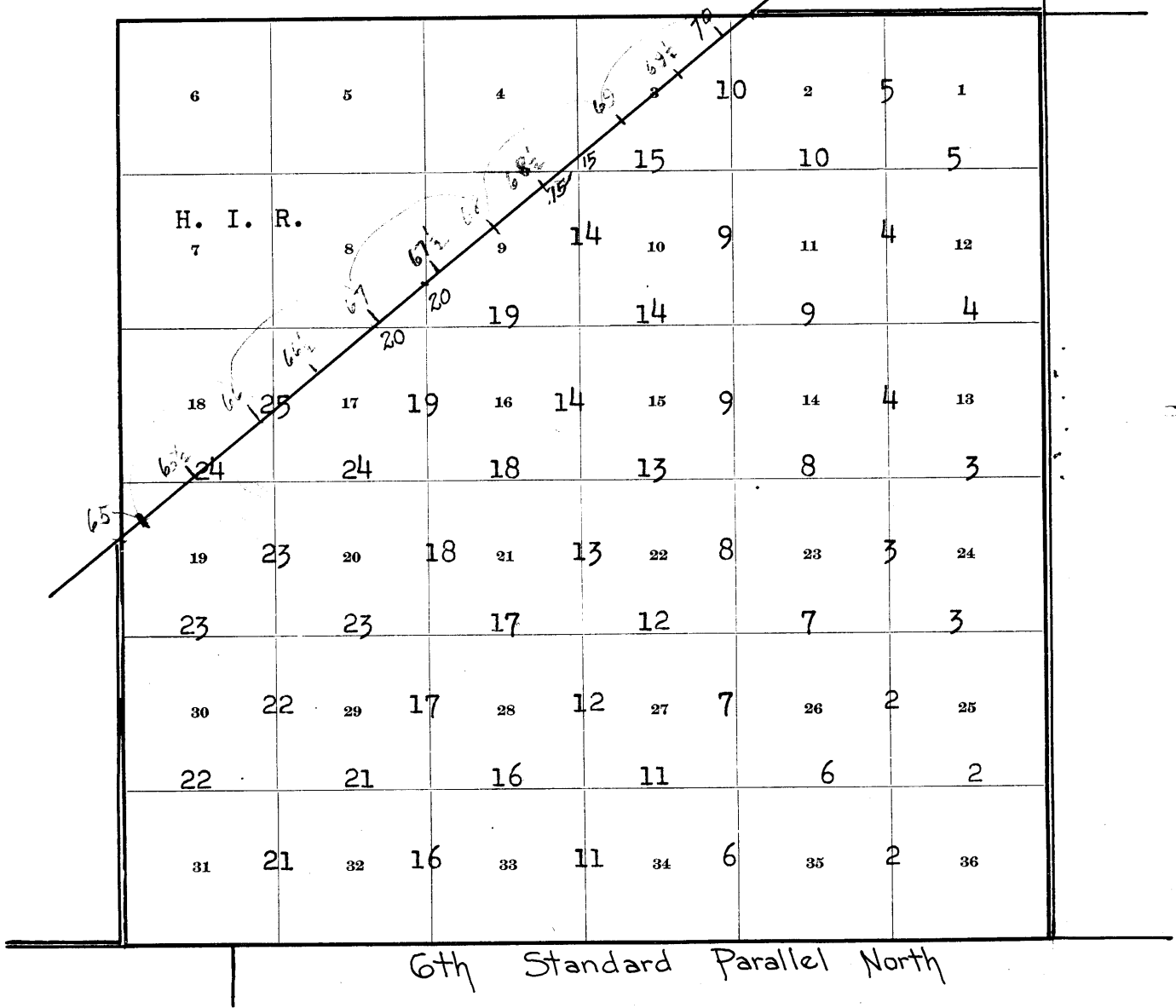
Survey commenced April 7, 1912

Survey completed April 18, 1912.

BOOK 2428

INDEX DIAGRAM.

Township 25 North, Range 9 West.



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Chains.

J.B.W

Survey commenced April 7, 1912, and executed jointly by Jesse B. Wright, and William H. Elliott, U. S. Surveyors, Wright using instrument No. 6492, and Elliott using instrument No. 8480, both being light mountain transits made by Young & Son's, with Smith patent solar attachments.

At our joint camp, at the Standard cor. of secs. 35 & 36, T. 25 N., R. 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, we examine and test all the adjustments of our transits and solar attachments, and finding same correct; then, in order to test the solars, by comparing the results of observations on the sun for meridians, made during p.m. & a.m. hours respectively, with a true meridian as determined by Polaris observation, we proceed as follows :

At 4h p.m., l.m.t., at the above described cor. , lat. $35^{\circ}30'34''$ N., long. $113^{\circ}12'17''$ W., we set off $6^{\circ}59\frac{1}{2}'$ N. on the decl. arcs, and $35^{\circ}30\frac{1}{2}'$ N. on the lat. arcs, and determine meridians with the solars, and mark the meridians thus determined by tacks driven in a stake driven firmly in the ground 5 chs. N. of our station, points marked W-1 and E-1 respectively.

At 6h 20m p.m., l.m.t., we observe Polaris at Western elongation, in accordance with instructions in the manual, and mark the line thus determined by a nail in a cedar tree about 8 chs. N. of our station.

April 7, 1912.

April 8, 1912.

At 7h a.m., l.m.t., we 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 our station, which point falls .30 ins. E., and .55 ins. E. respectively of the points in the meridians as determined by instruments No. 8480, and 6492.

Then we set off $7^{\circ}14\frac{1}{2}'$ N. on the decl. arcs, and $35^{\circ}30\frac{1}{2}'$ N. on the lat. arcs, and determine meridians with the solars, and mark the meridians thus determined by small nails driven in the stake 5 chs. N. of our station, points marked W-2, and E-2 respectively, which points as determined by instruments No. 8480, and 6492 fall .20 ins. E., and .35 ins. E. respectively of the point in the true meridian as established by observation of Polaris.

Instrument No. 8480 by p.m. & a.m. observations, defines positions for meridians about $15''$ W., and $11''$ E., respectively, of the meridian as established by Polaris.

Instrument No. 6492 by p.m. & a.m. observations, defines positions for meridians about $29''$ W., and $19''$ E., respectively, of the meridian as established by Polaris.

These errors being no greater than the usual personal errors of observation, we conclude that the instruments are in satisfactory adjustment.

The magnetic bearing of the true meridian, at 7h a.m., is N. $15^{\circ}55'$ W.; the angle thus determined gives the magnetic declination as $15^{\circ}55'$ E.

Elliott proceed to the NE. cor. of the Tp. to begin the survey of the North boundary of T. 25 N., R. 9 W.;

Wright begins the subdivision of T. 25 N., R. 9 W., and from the above described cor. runs, as per instructions,

Chains.

- N. 0° 1' W., bet. secs. 35 & 36.
Over rolling land, 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 35 in W., and
S 36 in E. half; from which,
A pinon tree 6 ins. diam. brs. S. 58° W. 59 lks. dist., marked $\frac{1}{4}$ S 35 B T.
A cedar tree 7 ins. diam. brs. N. 21° E. 58 lks. dist., marked $\frac{1}{4}$ S 36 B T.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 26, 35 & 36, marked on brass cap, T 25 N R 9 W, in N. half,
S 26 in NW.,
S 25 in NE.,
S 36 in SE., and
S 35 in SW. quad.; from which,
A cedar tree 7 ins. diam. brs. N. 63 $\frac{3}{4}$ ° E. 83 lks. dist., marked T 25 N R 9 W S. 25 B T.
A cedar tree 14 ins. diam. brs. S. 22 $\frac{1}{2}$ ° E. 157 lks. dist., marked T 25 N R 9 W S 36 B T.
A cedar tree 7 ins. diam. brs. S. 81 $\frac{3}{4}$ ° W. 76 lks. dist., marked T 25 N R 9 W S 35 B T.
A cedar tree 12 ins. diam. brs. N. 53 $\frac{1}{2}$ ° W. 120 lks. dist., marked T 25 N R 9 W S. 26 B T.
- Land, rolling.
Soil, 3rd rate, gravelly.
Cedar, pinon, good grass.
-
- East, on a random line, bet. secs. 25 & 36.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.08 Intersect East bdy. of Tp. at cor. of secs. 25, 30, 31 & 36, as established by W. H. Elliott under Group 15, Ariz., and by him described, in Book 1, whence I run,
West, on a true line, bet. secs. 25 & 36.
Over rolling land, through dense cedar and pinon.
- 40.04 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 N., and
S 36 in S. half; from which,
A pinon tree 6 ins. diam. brs. S. 37° E. 38 lks. dist., marked $\frac{1}{4}$ S 36 B T.
A cedar tree 7 ins. diam. brs. N. 53 $\frac{1}{2}$ ° W. 192 lks. dist., marked $\frac{1}{4}$ S 25 B T.
- 80.08 To cor. of secs. 25, 26, 35 & 36, hereinafter described.
Land, rolling.
Soil, 3rd rate, sandy, gravelly, loose.
Cedar, pinon, good grass.
-
- N. 0° 1' W., bet. secs. 25 & 26.
Over rolling land, through scattering cedar and pinon.
- 17.40 Road, brs. NE. & SW.
- 32.00 Leave timber, brs. E. & W., enter undulating 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 26 in W., and
S 25 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, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 23, 24, 25, & 26, marked on brass cap, T 25 N R 9 W, in N. half,
S 23 in NW.,
S 24 in NE.,
S 25 in SE., and
S 26 in SW. quad.;

Chains.

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, undulating. Soil, 3rd rate, sandy, gravelly, loose, dry. Cedar, pinon, good grass. At this cor., at noon, I set off 7°18' N. on the decl. a arc, and observe the sun on the meridian. The resulting lat. is 35°32' N.

East, on a random line, bet. secs. 24 & 25.

- 40.00 Set temp. ¼ sec. cor.
- 80.10 Intersect East bdy. of Tp. 2½ lks. S. of cor. of secs. 19, 24, 25 & 30, as established by W. H. Elliott, under group 15, Ariz., and by him described, in Book 1, whence I run, S. 89°59' W., on a true line, bet. secs. 24 & 25. Over undulating land.
- 40.05 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 N., and S 25 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.
- 54.50 Road, brs. NE. & SW.
- 80.10 To cor. of secs. 23, 24, 25 & 26, hereinbefore described. Land, rolling, gently undulating. Soil, 3rd rate, sandy, gravelly, with calcareous gravel underlying. Few cedar and pinons, good native grass.

N. 0° 1' W., bet. secs. 23 & 24.

- Over gently undulating 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 23 in W., and S 24 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, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 13, 14, 23 & 24, marked on brass cap, T 25 N R 9 W in N. half, S 14 in NW., S 13 in NE., S 24 in SE., and S 23 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 undulating. Soil, 3rd rate, gravelly. Few cedars and pinons, fair grass.

N. 89°59' E. on a random line, bet. secs. 13 & 24.

- 40.00 Set temp. ¼ sec. cor.
- 80.12 Intersect East bdy. of Tp. 5 lks. N. of cor. of secs. 13, 18, 19 & 24, as established by W.H. Elliott, & described in Book 1, whence I run, N. 89°59' W., on a true line, bet. secs. 13 & 24. Over rolling land, through dense cedar and pinon.
- 14.00 Leave timber, brs. N. & S.
- 40.06 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 N., and S 24 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.
- 80.12 To cor. of secs. 13, 14, 23 & 24, hereinbefore described. Land, rolling, undulating. Soil, 3rd rate, gravelly. Sparse cedar, pinon, good grass.

April 8, 1912.
J.B.W.

Chains		
	April 9, 1912.	W.H.E.
	At 8h. Om. 11m. time, 13, 14, 25 & 26, recently set at at the above corner, I set off $7^{\circ}37\frac{1}{2}'$ N. on the decl. arc, and $35^{\circ}33'$ N. on the lat. arc, and determine a meridian with the solar at 8h a.m. Thence I run, N. $0^{\circ}1'$ W., bet. secs. 13 & 14. Over slightly 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 14 in W., and S 13 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, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 11, 12, 13 & 14, marked on brass cap, T 25 N R 9 W in N. half, S 11 in NW., S 12 in NE., S 13 in SE., and S 14 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. Few cedars and pinons, fair grass.	
40.00	S. $89^{\circ}59'$ E., on a random line, bet. secs. 12 & 13. Set temp. $\frac{1}{4}$ sec. cor.	
80.10	Intersect East bdy. of Tp. $2\frac{1}{2}$ lks. N. of cor. of secs. 7, 12, 13 & 18, as established by me under Group 15, Ariz., & described in Book 1, whence I run, N. $89^{\circ}53'$ W., on a true line, bet. secs. 12 & 13. Over rolling land, through dense cedar and pinon.	
40.05	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 N., and S 13 in S. half; from which, A pinon tree 7 ins. diam. brs. S. $0\frac{3}{4}^{\circ}$ W. 63 lks. dist., marked $\frac{1}{4}$ S 13 B T. A pinon tree 7 ins. diam. brs. N. $55\frac{1}{4}^{\circ}$ E. 132 lks. dist., marked $\frac{1}{4}$ S 12 B T.	
48.00	Leave timber, brs. N. & S.	
80.10	To cor. of secs. 11, 12, 13 & 14, hereinbefore described. Land, rolling gently. Soil, 3rd rate, gravelly loam and rock. Cedar, pinon, good grass.	
	N. $0^{\circ}1'$ W., bet. secs. 11 & 12. Over gently rolling land.	
40.00	Set an iron post 3 ft. long, 1 in. in in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\frac{1}{4}$ S 11 in W., and S 12 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, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 2, 11 & 12, marked on brass cap, T 25 N, R 9 W, in N. half, S 2 in NW., S 1 in NE., S 12 in SE., and S 11 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, gravelly, loose. Sparse cedar and pinon, good grass. At this cor., at noon, I set off $7^{\circ}40'$ N. on the decl. arc, and observe the sun on the meridian. The resulting lat. is $35^{\circ}35'$ N.	

Subdivision of Frac. T. 25 N., R. 9 W.

Chains.

S. 89°58' E., on a random line, bet. secs. 1 & 12.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.12 Intersect East bdy. of Tp. 2 $\frac{1}{2}$ lks. S. of cor. of
 secs. 1, 6, 7 & 12, as established by me under
 Group 15, Ariz., & described in Book 1,
 whence I run,
 N. 89°59' W., on a true line, bet. secs. 1 & 12.
 Over rolling land, through scattering cedar and pinon.
 40.06 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 N., and
 S 12 in S. half; from which,
 A cedar tree 12 ins. diam. brs. N. 3 $\frac{1}{2}$ ° E. 72 lks. dist.,
 marked $\frac{1}{4}$ S 1 B T.
 A cedar tree 6 ins. diam. brs. S. 43° E. 89 lks. dist.,
 marked $\frac{1}{4}$ S 12 B T.
 52.00 Leave timber, brs. N. & S.
 80.12 To cor. of secs. 1, 2, 11 & 12, hereinbefore described.
 Land, rolling gently.
 Soil, 3rd rate, sandy, gravelly, with some clay underlying.
 Sparse cedar, pinon, sage brush, good grass.

N. 0° 1' W., on a random line, bet. secs. 1 & 2.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect North bdy. of Tp. 14 lks. W. of cor. of
 secs. 1, 2, 35 & 36, recently established by me,
 and described in Book 3, 4,
 whence I run,
 S. 0° 05' W., on a true line, bet. secs. 1 & 2.
 Over rolling land, through dense cedar and pinon.
 7.08 Road, brs. NE. & SW.
 39.98 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 2 in W., and
 S 1 in E. half; from which,
 A pinon tree 6 ins. diam. brs. N. 31° E. 208 lks. dist.,
 marked $\frac{1}{4}$ S 1 B T.
 A cedar tree 8 ins. diam. brs. S. 48° W. 101 lks. dist.,
 marked $\frac{1}{4}$ S 2 B T.
 60.00 Leave timber, brs. E. & W.
 79.98 To cor. of secs. 1, 2, 11 & 12, hereinbefore described.
 Land, rolling.
 Soil, 3rd rate, gravelly loam and rock.
 Cedar, pinon, sparse grass.

April 9, 1912. W.H.E.

Chains	
	<p>April 9, 1912. J.B.W. At 8h a.m., l.m.t., at the Standard cor. of secs. 34 & 35, on the South bdy. of the Tp., 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 $7^{\circ}37\frac{1}{2}'$ N. 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, N. $0^{\circ}1'$ W., bet. secs. 34 & 35. Over rolling land, asc. through dense cedar and pinon.</p>
20.00	Top of ridge, brs. ESE. & WNW., desc.
38.00	Foot of descent, drainage to WSW., asc. gently.
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 W., and S 35 in E. half; from which, A cedar tree 8 ins. diam. brs. S. 3° E. 106 lks. dist., marked $\frac{1}{4}$ S 35 B T. A cedar tree 6 ins. diam. brs. N. $75\frac{1}{2}^{\circ}$ W. 58 lks. dist., marked $\frac{1}{4}$ S 34 B T.
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 26, 27, 34 & 35, marked on brass cap, T 25 N R 9 W, in N. half, S 27 in NW., S 26 in NE., S 35 in SE., and S 34 in SW. quad.; from which, A pinon tree 8 ins. diam. brs. N. $33\frac{1}{2}^{\circ}$ E. 110 lks. dist., marked T 25 N R 9 W S 26 B T. A cedar tree 8 ins. diam. brs. S. $23\frac{1}{2}^{\circ}$ E. 156 lks. dist., marked T 25 N R 9 W S 35 B T. A cedar tree 6 ins. diam. brs. S. 60° W. 82 lks. dist., marked T 25 N R 9 W S 34 B T. A pinon tree 8 ins. diam. brs. N. $63\frac{1}{4}^{\circ}$ W. 82 lks. dist., marked T 25 N R 9 W S 27 B T.
	<p>Land, rolling. Soil, 3rd rate, gravelly, dry, loose, calcareous. Cedar, pinon, fair grass.</p>
40.00	East, on a random line, bet. secs. 26 & 35. Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. & S. line 5 lks. N. of cor. of secs. 25, 26, 35 & 36, hereinbefore described , whence I run, N. $89^{\circ}53'$ W., on a true line, bet. secs. 26 & 35. Over rolling land, in draw, through scattering cedar.
16.00	Road, brs. NNE. & SSW.
40.04	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 26 in N., and S 35 in S. half; from which, A cedar tree 6 ins. diam. brs. N. $19\frac{1}{4}^{\circ}$ E. 91 lks. dist., marked $\frac{1}{4}$ S 26 B T. A cedar tree 8 ins. diam. brs. S. $41\frac{1}{2}^{\circ}$ W. 50 lks. dist., marked $\frac{1}{4}$ S 35 B T.
	Asc. prec. through dense cedar and pinon.
50.00	Spur, brs. N. & S., continue to asc.
70.00	Top of main ridge, brs. NW. & SE., desc. to cor.
80.08	To cor. of secs. 26, 27, 34 & 35, hereinbefore described . Land, rolling, mts. Soil, 3rd rate, gravelly, stony, calcareous. Cedar, pinon, fair grass.

Subdivision of Frac. T. 25 N., R. 9 W.

Chains.

N. 0° 1' W., bet. secs. 26 & 27.
 'Over rolling land, asc. from cor., through dense cedar.
 21.00 Top of ridge, brs. WNW. & ESE., desc.
 30.00 Draw 2 chs. wide, course W., heads 2 chs. to 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., marked on brass cap,
 $\frac{1}{4}$ S 27 in W., and
 S 26 in E. half; from which,
 A pinon tree 5 ins.diam.brs. S.53°E. 49 lks. dist.,
 marked $\frac{1}{4}$ S 26 B T.
 A pinon tree 8 ins.diam.brs. N.85°W. 62 lks. dist.,
 marked $\frac{1}{4}$ S 27 B T.
 48.00 Top of spur, brs. E. & W., desc.
 55.00 Asc.
 70.00 Top of main ridge, brs. NW. & SE., desc.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 22,23,26 & 27, marked on
 brass cap, T 25 N R 9 W, in N. half,
 S 22 in NW.,
 S 23 in NE.,
 S 26 in SE., and
 S 27 in SW. quad.; from which,
 A pinon tree 6 ins.diam.brs. N.30 $\frac{1}{2}$ °E. 27 lks. dist.,
 marked T 25 N R 9 W S 23 B T.
 A pinon tree 5 ins.diam.brs. S.78°E. 25 lks. dist.,
 marked T 25 N R 9 W S 26 B T.
 A pinon tree 7 ins.diam.brs. S.47 $\frac{1}{4}$ °W. 92 lks. dist.,
 marked T 25 N R 9 W S 27 B T.
 A pinon tree 12 ins.diam.brs. N.83°W. 61 lks. dist.,
 marked T 25 N R 9 W S 22 B T.
 Land, rolling heavily.
 Soil, 3rd rate, gravelly, calcareous.
 Cedar, pinon, fair grass.
 At this cor., at noon, I set off 7°40' N. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is 35°32 $\frac{1}{2}$ ' N.

N. ~~89°50'~~ E., on a random line, bet. secs. 23 & 26.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.14 Intersect N. & S. line 5 lks. N. of cor. of
 secs. 23,24,25 & 26, ~~heretofore~~ **heretofore** described whence I run,
 West, on a true line, bet. secs. 23 & 26.
 Over gently rolling land.
 40.07 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 23 in N., and
 S 26 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.
 70.00 Enter cedar and pinon, brs. N. & S.
 80.14 To cor. of secs. 22,23,26 & 27, ~~heretofore~~ **heretofore** described.
 Land, rolling.
 Soil, 3rd rate, gravelly, dry, calcareous.
 Sparse cedar, pinon, sage brush, good grass.

Chains.

- N. 0° 1' W., bet. secs. 22 & 23.
 Over rolling land, through dense cedar, desc. grad..
- 15.00 Foot of descent, 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 22 in W., and S 23 in E. half; from which,
 A cedar tree 12 ins.diam.brs. N.89°W. 41 lks. dist., marked $\frac{1}{4}$ S 22 B T.
 A cedar tree 14 ins.diam.brs. S.10 $\frac{1}{2}$ °E.110 lks. dist., marked $\frac{1}{4}$ S 23 B T.
- 60.00 Leave cedar, brs. E. & W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 14,15,22 & 23, marked on brass cap, T 25 N R 9 W, in N. half,
 S 15 in NW.,
 S 14 in NE.,
 S 23 in SE., and
 S 22 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, gravelly, loose, calcareous.
 Cedar, pinon, sage brush, good grass.
-
- East, on a random line, bet. secs. 14 & 23.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.08 Intersect N. & S. line 7 lks. N. of cor. of secs. 13,14,23 & 24, ~~hereinbefore described~~ whence I run, N. 89°57' W., on a true line, bet. secs. 14 & 23.
 Over gently undulating land.
- 40.04 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 14 in N., and S 23 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.
- 80.08 To cor. of secs. 14,15,22 & 23. ~~hereinbefore described~~
 Land, gently rolling.
 Soil, 3rd rate, gravelly loam.
 Few cedars and pinons, sage brush, good grass.
- April 9, 1912. J.B.W.

- Chains.
- April 10, 11, 12 & 13; snowing, raining, stormy.
 April 14, 1912. W.H.E.
 At 8h a.m., l.m.t., at ~~the~~ cor. of secs. 14, 15, ~~and 16~~,
 at the above ~~corner~~ ~~described~~ by J.H. ~~right~~,
 I set off $9^{\circ}26\frac{1}{2}'$ N. on the decl. arc, and $35^{\circ}33'$ N. on
 the lat. arc, and determine a meridian with the solar.
 Thence I run,
 N. $0^{\circ}1'$ W., bet. secs. 14 & 15.
 Over 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 15 in W., and
 S 14 in E. half;
 dig pits ~~18x18x12~~ 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, 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 10, 11, 14 & 15, marked on
 brass cap, T 25 N R 9 W, in N. half,
 S 10 in NW.,
 S 11 in NE.,
 S 14 in SE., and
 S 15 in SW. quad.;
 dig pits ~~18x18x12~~ 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, gravelly, loose.
 Open land, good grass.
-
- S. $89^{\circ}57'$ E., on a random line, bet. secs. 11 & 14.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. & S. line 14 lks. S. of cor. of
 secs. 11, 12, 13 & 14, ~~has~~ ~~before~~ ~~described~~, whence I run,
 S. $89^{\circ}57'$ W., on a true line, bet. secs. 11 & 14.
 Over 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 11 in N., and
 S 14 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 secs. 10, 11, 14 & 15. ~~has~~ ~~before~~ ~~described~~
 Land, rolling.
 Soil, 3rd rate, sandy, gravelly, loose.
 Open land, good grass.
-
- N. $0^{\circ}1'$ W., bet. secs. 10 & 11.
 Over undulating 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 10 in W., and
 S 11 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 and pinon, brs. E. & W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 2, 3, 10 & 11, marked on
 brass cap, T 25 N R 9 W, in N. half,
 S 3 in NW.,
 S 2 in NE.,
 S 11 in SE., and
 S 10 in SW. quad.; from which,
 A pinon tree 10 ins. diam. brs. N. 43° E. 253 lks. dist.,
 marked T 25 N R 9 W S 2 B T.
 A cedar tree 8 ins. diam. brs. S. $14\frac{1}{2}^{\circ}$ W. 40 lks. dist.,
 marked T 25 N R 9 W S 10 B T.
 A cedar tree 8 ins. diam. brs. N. 86° W. 61 lks. dist.,
 marked T 25 N R 9 W S 3 B T.
 No other tree available.

Chains.

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, loamy, stony.
Sparse cedar, pinon, good grass.
At this cor., at noon, I set off 9°30' N. on the decl. arc, and observe the sun on the meridian.
The resulting lat. is 35°35' N.

- N. 89°57' E., on a random line, bet. secs. 2 & 11.
40.00 Set temp. ¼ sec. cor.
80.06 Intersect N. & S. line 5 lks. N. of cor. of secs. 1, 2, 11 & 12, ~~hereinbefore~~ described whence I run, S. 89°59' W., on a true line, bet. secs. 2 & 11.
Over gently rolling land.
40.03 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 2 in N., and S 11 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.
80.06 To cor. of secs. 2, 3, 10 & 11, ~~hereinbefore~~ described.
Land, gently rolling.
Soil, 3rd rate, gravelly, dry, loose.
Few cedars and pinons. Good grass.

- N. 0° 1' W., bet. secs. 2 & 3.
Over rolling 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 2 in W., and S 2 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.
43.75 Road, brs. NE. & SW.
52.00 Enter scattering cedar, brs. E. & W.
75.74 Intersect SE. bdy. line of Hualpai Indian Reservation, whence the 70 mile cor. on said line, brs. S. 50° W. 96 lks. dist., which is a limestone 10x7x8 ins. above ground, marked and witnessed as described by the Surveyor General.
Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 2 & 3, marked on brass cap, C C E. of centre,
H I R in NW., and
T 25 N R 9 W, in SE. halves,
S 2 in SE., and
S 3 in SW. sectors; from which,
A cedar tree 9 ins. diam. brs. S. 17° E. 237 lks. dist., marked T 25 N R 9 W S 2 C C B T.
A cedar tree 12 ins. diam. brs. S. 13° W. 300 lks. dist., marked T 25 N R 9 W S 3 C C B T.
Land, rolling.
Soil, 3rd rate, gravelly, sandy, loose, dry.
Sparse cedar, and pinon, sage brush, good grass.

April 14, 1912. W.H.E.

- Chains April 14, 1912. J.B.W.
- At 8h a.m., l.m.t., at the Standard cor. of secs. 33 & 34, on the S. bdy. of the Tp. 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 $9^{\circ}26\frac{1}{2}'$ N. 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,
- N. $0^{\circ}2'$ W., bet. secs. 33 & 34.
Over rolling land, through scattering cedar.
- 26.00 Top of low hill 10 chs. to E. Enter 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 33 in W., and
S 34 in E. half; from which,
A pinon tree 10 ins. diam., brs. S. 83° E. 15 lks. dist., marked $\frac{1}{4}$ S 34 B T.
A pinon tree 8 ins. diam. brs. N. 72° W. 30 lks. dist., marked $\frac{1}{4}$ S 33 B T.
- 60.00 Leave cedar and pinon, brs. E. & W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 27, 28, 33 & 34, marked on brass cap, T 25 N R 9 W in N. half,
S 28 in NW.,
S 27 in NE.,
S 34 in SE., and
S 33 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, gravelly, loose, calcareous.
Cedar, pinon, good grass.
-
- East, on a random line, bet. secs. 27 & 34.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N. & S. line 9 lks. N. of cor. of secs. 26, 27, 34 & 35, ~~hereinbefore~~ described, whence I run, N. $89^{\circ}56'$ W., on a true line, bet. secs. 27 & 34.
Over rolling land, through cedar and pinon.
- 19.00 Draw, 6 chs. wide, course WSW.
- 24.00 Enter dense cedar and pinon.
- 40.03 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 27 in N., and
S 34 in S. half; from which,
A cedar tree 12 ins. diam. brs. N. $40\frac{1}{2}^{\circ}$ E. 200 lks. dist., marked $\frac{1}{4}$ S 27 B T.
A pinon tree 18 ins. diam. brs. S. $78\frac{1}{4}^{\circ}$ E. 248 lks. dist., marked $\frac{1}{4}$ S 34 B T.
- 43.00 Enter open draw, 5 chs. wide, course WNW. from ESE., thence down draw to cor.
- 80.06 To cor. of secs. 27, 28, 33 & 34, ~~hereinbefore~~ described.
Land, rolling.
Soil, 3rd rate, gravelly, loose.
Cedar, pinon, good grass in draws.
At this cor., at noon, I set off $9^{\circ}30'$ N. on the decl. arc, and observe the sun on the meridian.
The resulting lat. is $35^{\circ}31\frac{1}{2}'$ N.

Chains.

- N. $0^{\circ} 2'$ W., bet. secs. 27 & 28.
Over rolling land, drains to WNW., limestone formation.
- 30.00 Leave valley or draw, brs. W. & E., asc. grad. through scattering cedar and pinon, enter sandstone.
- 36.00 Top of low ridge, brs. E. & W. very dense cedar and pinon.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground, on bed-rock, in mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 28 in W., and
S 27 in E. half; from which,
A cedar tree 3 ins. diam. brs. N. 74° E. 18 lks. dist., marked $\frac{1}{4}$ S 27 B T.
A pinon tree 6 ins. diam. brs. N. 20° W. 28 lks. dist., marked $\frac{1}{4}$ S 28 B T.
- 52.00 Desc. gently.
- 65.00 Enter broad draw, course ESE., leave timber, brs. E. & W., leave stony ground.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 21, 22, 27 & 28, marked on brass cap, T 25 N R 9 W; in N. half,
S 21 in NW.,
S 22 in NE.,
S 27 in SE., and
S 28 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, stony, gravelly. clay underlying.
Cedar, pinon, good grass.
-
- S. $39^{\circ} 56'$ E., on a random line, bet. secs. 22 & 27.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N. & S. line 5 lks. S. of cor. of secs. 22, 23, 26 & 27, ~~hereinbefore described~~, whence I run, N. $89^{\circ} 58'$ W., on a true line, bet. secs. 22 & 27.
Over rolling land, through cedar and pinon.
- 10.00 Enter very dense timber, brs. N. & S.
- 35.00 Leave timber, brs. N. & S. enter draw.
- 40.03 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 22 in N., and
S 27 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 cedar and pinon, brs. WNW. & ESE. leave draw.
- 72.00 Leave timber, brs. NW. & SE. enter wide draw.
- 80.06 To cor. of secs. 21, 22, 27 & 28, ~~hereinbefore described~~.
Land, rolling.
Soil, 3rd rate, gravelly, dry, calcareous.
Cedar, pinon, good grass.

April 14, 1912.

J.B.W.

Chains.

April 15, 1912. W.H.E.
 At 8h a.m., l.m.t., at the cor. of secs. 14, 15, 21 & 22,
 at the above corner, shot by J.D. Wright,
 I set off $9^{\circ}48\frac{1}{2}'$ N. on the decl. arc, and $35^{\circ}32\frac{1}{2}'$ N. on
 the lat. arc, and determine a meridian with the solar.
 Thence I run,

- N. $0^{\circ}2'$ W., bet. secs. 21 & 22.
 Over rolling land, through scattering cedar.
 28.00 Leave draw, brs. E. & W., asc. grad. through 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 21 in W., and
 $\frac{1}{4}$ S 22 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.
 No trees in limits.
 72.00 Desc. grad. along N. slope., leave timber.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 15, 16, 21 & 22, marked on
 brass cap, T 25 N R 9 W, in N. half,
 S 16 in NW.,
 S 15 in NE.,
 S 22 in SE., and
 S 21 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.
 No bearings available.
 Land, rolling.
 Soil, 3rd rate, gravelly.
 Sparse cedar and pinon, good grass.

-
- S. $89^{\circ}58'$ E., on a random line, bet. secs. 15 & 22.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.16 Intersect N. & S. line 7 lks. N. of cor. of
 secs. 14, 15, 22 & 23, ~~hereinbefore described~~, whence I run,
 N. $89^{\circ}55'$ W., on a true line, bet. secs. 15 & 22.
 Over undulating land, in grassy valley.
 40.08 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 15 in N., and
 $\frac{1}{4}$ S 22 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.
 No trees available.
 60.00 Asc. grad.
 75.00 Enter cedar and pinon, brs. N. & S.
 80.16 To cor. of secs. 15, 16, 21 & 22, ~~hereinbefore described~~.
 At this cor., at noon, I set off $9^{\circ}51\frac{1}{2}'$ N. on the decl.
 arc, and observe the sun on the meridian.
 The resulting lat. is $35^{\circ}33'$ N.
 Land, rolling.
 Soil, 3rd rate, gravelly.
 Sparse cedar, pinon, good grass.

Chains.

- N. $0^{\circ} 2'$ W., bet. secs. 15 & 16.
Over undulating 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 16 in W., and S 15 in E. half; from which,
A cedar tree 8 ins. diam. brs. N. $9\frac{1}{4}^{\circ}$ E. 54 lks. dist., marked $\frac{1}{4}$ S 15 B T.
A cedar tree 6 ins. diam. brs. N. 4° W. 61 lks. dist., marked $\frac{1}{4}$ S 16 B T.
- 60.00 Leave cedar, brs. E. & W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 9, 10, 15 & 16, marked on brass cap, T 25 N R 9 W, in N. half,
S 9 in NW.,
S 10 in NE.,
S 15 in SE., and
S 16 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, gravelly loam and rocky.
Sparse cedar and pinon, good grass.
-
- S. $39^{\circ} 55'$ E., on a random line, bet. secs. 10 & 15.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect N. & S. line 9 lks. S. of cor. of secs. 10, 11, 14 & 15, ~~hereinbefore described~~, whence I run, N. $89^{\circ} 59'$ W., on a true line, bet. secs. 10 & 15.
Over rolling land, sparse cedar and pinon.
- 40.02 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 10 in N., and S 15 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.
- 80.04 To cor. of secs. 9, 10, 15 & 16, ~~hereinbefore described~~.
Land, rolling.
Soil, 3rd rate, sandy, gravelly.
Sparse cedar and pinon, good grass. April 15, 1912.
-
- April 16, 1912.
- At 8h a.m., l.m.t., at the above corner, ~~secs. 9, 10, 15 & 16~~.
I set off $10^{\circ} 09\frac{1}{2}'$ N. on the decl. arc, and $35^{\circ} 34'$ N. on the lat. arc, and determine a meridian with the solar.
Thence I run,
N. $0^{\circ} 2'$ W., bet. secs. 9 & 10.
Over rolling land, good grass, 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 9 in W., and S 10 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, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 9 & 10, marked on brass cap, T 25 N R 9 W, in N. half,
S 4 in NW.,
S 3 in NE.,
S 10 in SE., and
S 9 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.
No trees available.
Land, rolling. Soil, 3rd rate, sandy, gravelly.
Sparse cedar and pinon. Fine grass.

Subdivision of Frac. T. 25 N., R. 9 W.

Chains

S. 89°59' E., on a random line, bet. secs. 3 & 10.
 40.00 Set temp. 1/4 sec. cor.
 80.02 Intersect N. & S. line at cor. of secs. 2,3,10 & 11,
~~hereinbefore~~ described, whence I run,
 N. 89°59' W., on a true line, bet. secs. 3 & 10.
 Over open, rolling, grassy land.
 40.01 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,
 S 3 in N., and
 S 10 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.
 80.02 To cor. of secs. 3,4,9 & 10, ~~hereinbefore~~ described.
 Land, undulating, rolling.
 Soil, 3rd rate, sandy, gravelly, loamy.
 Few cedars, fine grass.

West, bet. secs. 4 & 9.
 Over gently rolling land.
 10.29 Intersect SE. bdy. line of Hualpai Indian Reservation
 whence the 68 1/2 mile cor. on said line brs. S.50°W. 3.17
 chs. dist., which is a quartz stone 10x10x6 ins. above
 ground, marked and witnessed as described by the
 Surveyor-General.
 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for closing cor. of secs. 4 & 9, marked on
 brass cap, C C W. of centre,
 H I R in NW., and
 T 25 N R 9 W, in SE. halves,
 S 4 in NE., and
 S 9 in SE. sectors;
 dig pits 24x18x12 ins. crosswise on each line,
 N. 50°E. & S.50°W. 3 ft., and E. of cor. 7 ft. dist., and
 raise a mound of earth 4 ft. base, 2 ft. high E. of cor.
 Land, rolling. Soil, 3rd rate, gravelly. No timber. good grass.
 At this cor., at noon, clouds obscure the sun.
 Impracticable to observe the latitude.

N. 0° 2' W., bet. secs. 3 & 4.
 Over rolling land.
 8.70 Intersect SE. bdy. line of Hualpai Indian Reservation,
 whence the 68 1/2 mile cor. on said line brs. S.50°W. 16.63
 chs. dist., above described.
 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for closing cor. of secs. 3 & 4, marked on
 brass cap; C C E. of centre,
 H I R in NW., and
 T 25 N R 9 W, in SE. halves,
 S 3 in SE., and
 S 4 in SW. sectors;
 dig pits 24x18x12 ins., crosswise on each line,
 N.50°E. & S.50°W. 3 ft., and S. of cor. 7 ft. dist., and
 raise a mound of earth 4 ft. base, 2 ft. high S. of cor.
 No bearings available.
 Land, rolling.
 Soil, 3rd rate, gravelly, sandy, loose.
 No timber or undergrowth, fine grass.
 Cloudy this day after 2h p.m.

April 16, 1912. W.H.E.

Chains.

- April 15, 1912. J.B.W.
 At 8h a.m., l.m.t., at the Standard cor. of secs. 32 & 33, on the S. bdy. of the Tp., 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 $9^{\circ}48\frac{1}{2}'$ N. 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,
 N. $0^{\circ}3'$ W., bet. secs. 32 & 33.
 Over rolling land, through scattering cedar and pinon.
- 16.90 Road, brs. NE. & SW.
 20.00 Round hill ~~45 chs. to W.~~
 34.50 Road, brs. ESE. & WNW.
 36.81 Telegraph line, brs. WNW. & ESE.
 mile post No. 455 is 2 poles to E.
 37.80 Centre of single track of Atchison, Topeka and Santa Fe railroad, brs. S. $67^{\circ}06'$ E. & N. $67^{\circ}06'$ W.
 Centre of siding at Field's flag station.
 Pipe culvert No. A-456 is 3 lks. to W.
 38.50 Telegraph line, parallel to R.R. 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 32 in W., and
 S 33 in E. half; from which,
 A cedar tree 6 ins. diam. brs. S. 38° E. 49 lks. dist., marked $\frac{1}{4}$ S 33 B T.
 A cedar tree 7 ins. diam. brs. N. $18\frac{1}{2}^{\circ}$ W. 148 lks. dist., marked $\frac{1}{4}$ S 32 B T.
 54.00 Top of low ridge, brs. E. & W., desc.
 71.00 Draw 6 chs. wide, course WNW.
 Small reservoir about 20 chs. to ENE.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 28, 29, 32 & 33, marked on brass cap, T 25 N R 9 W, in N. half,
 S 29 in NW.,
 S 28 in NE.,
 S 33 in SE., and
 S 32 in SW. quad.; from which,
 A cedar tree 6 ins. diam. brs. N. 66° E. 200 lks. dist., marked T 25 N R 9 W S 28 B T.
 A cedar tree 8 ins. diam. brs. S. 25° E. 300 lks. dist., marked T 25 N R 9 W S 33 B T.
 A pinon tree 15 ins. diam. brs. S. 65° W. 285 lks. dist., marked T 25 N R 9 W S 32 B T.
 A pinon tree 12 ins. diam. brs. N. 59° W. 207 lks. dist., marked T 25 N R 9 W S 29 B T.
 Land, rolling. Soil, 3rd rate, gravelly.
 Cedar, pinon, good grass.
-
- East, on a random line, bet. secs. 28 & 33.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect N. & S. line 9 lks. S. of cor. of secs. 27, 28, 33 & 34, ~~hereinbefore described~~, whence I run S. $39^{\circ}56'$ W., on a true line, bet. secs. 28 & 33.
 Over rolling land, sparse cedar and pinon,
 39.98 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 28 in N., and
 S 33 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 Small reservoir about 5 chs. to S.
 79.96 To cor. of secs. 28, 29, 32 & 33, ~~hereinbefore described~~.
 Land, rolling. Soil, 3rd rate, gravelly, dry, loose.
 Sparse cedar, pinon, scrub oak, fair grass.
 At this cor., at noon, clouds obscure the sun.
 Impracticable to observe the latitude.

Chains.

N. 0° 3' W., bet. secs. 28 & 29.
 Over rolling land, desc. grad. through scattering cedar and pinon.
 12.00 Enter broad grassy draw, brs. E. & W., leave 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 29 in W., and S 28 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.
 75.00 Asc. grad., through cedar, brs. E. & W.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 20, 21, 28 & 29, marked on brass cap, T 25 N R 9 W in N. half, S 20 in NW., S 21 in NE., S 28 in SE., and S 29 in SW. quad.; from which,
 A pinon tree 8 ins. diam. brs. N. $61\frac{1}{2}$ ° E. 156 lks. dist., marked T 25 N R 9 W S 21 B T.
 A cedar tree 30 ins. diam. brs. S. 81 ° E. 229 lks. dist., marked T 25 N R 9 W S 28 B T.
 A cedar tree 15 ins. diam. brs. S. $30\frac{1}{2}$ ° W. 126 lks. dist., marked T 25 N R 9 W S 29 B T.
 A cedar tree 13 ins. diam. brs. N. $65\frac{1}{4}$ ° W. 136 lks. dist., marked T 25 N R 9 W S 20 B T.
 Land, rolling.
 Soil, 3rd rate, sandy, gravelly, dry.
 Cedar, pinon, good grass.

N. 89° 56' E., on a random line, bet. secs. 21 & 28.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. & S. line 12 lks. N. of cor. of secs. 21, 22, 27 & 28, ~~hereinbefore described~~, whence I run, N. 89° 59' W., on a true line, bet. secs. 21 & 28.
 Over gently rolling land, thru sparse cedar, thru wide draw.
 39.97 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 21 in N., and S 23 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.
 79.94 To cor. of secs. 20, 21, 28 & 29, ~~hereinbefore described~~. (ascend gradually)
 Land, rolling.
 Soil, 3rd rate, gravelly loam.
 Sparse cedar, pinon, good grass.

April 15, 1912. J.B.W.

Chains.		
	April 17, 1912.	W.H.E.
	At 8h a.m., l.m.t., at the cor. of secs. 16, 17, 20 & 21, at the above corner, and by S.W. 1/4 sec. 21, I set off 10°31' N. on the decl. arc, and 35°32½' N. on the lat. arc, and determine a meridian with the solar. Thence I run, N. 0° 3' W., bet. secs. 20 & 21. Over gently rolling land, through scattering cedar and pinon, asc. grad.	
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 20 in W., and S 21 in E. half; from which, A cedar tree 8 ins. diam. brs. N. 18½° E. 86 lks. dist., marked ¼ S 21 B T. A cedar tree 6 ins. diam. brs. S. 47½° W. 205 lks. dist., marked ¼ S 20 B T.	
80.00	Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 16, 17, 20 & 21, marked on brass cap, T 25 N R 9 W, in N. half, S 17 in NW., S 16 in NE., S 21 in SE., and S 20 in SW. quad.; from which, A cedar tree 8 ins. diam. brs. N. 66° E. 179 lks. dist., marked T 25 N R 9 W S 16 B T. A cedar tree 10 ins. diam. brs. S. 82° E. 266 lks. dist., marked T 25 N R 9 W S 21 B T. A cedar tree 8 ins. diam. brs. S. 31¼° W. 113 lks. dist., marked T 25 N R 9 W S 20 B T. A cedar tree 6 ins. diam. brs. N. 53° W. 68 lks. dist., marked T 25 N R 9 W S 17 B T.	
	Land, rolling. Soil, 3rd rate, gravelly, calcareous subsoil. Cedar, pinon, good grass.	
	S: 89°59' E., on a random line, bet. secs. 16 & 21.	
40.00	Set temp. ¼ sec. cor.	
79.92	Intersect N. & S. line 2½ lks. N. of cor. of secs. 15, 16, 21 & 22, hereinbefore described whence I run, N. 89°58' W., on a true line, bet. secs. 16 & 21. Over rolling land, through sparse cedar and pinon.	
20.00	Asc. NE. slope of long spur, enter dense cedar & pinon.	
39.96	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 16 in N., and S 21 in S. half; from which, A cedar tree 10 ins. diam. brs. N. 58½° E. 40 lks. dist., marked ¼ S 16 B T. A pinon tree 8 ins. diam. brs. S. 66¼° E. 92 lks. dist., marked ¼ S 21 B T.	
	Cor. on top of spur, brs. NNW. and SSE., desc.	
56.00	Draw, 2 chs. wide, course SSE.	
62.00	Draw, 2 chs. wide, course SSW.	
79.92	To cor. of secs. 15, 17, 20 & 21, hereinbefore described . Land, rolling. Soil, 3rd rate, gravelly. Cedar, pinon, good grass.	

Chains

N. 0° 3' W., bet. secs. 16 & 17.
 Over rolling land, asc. from cor., through cedar & pinon.
 8.50 Top of rocky hill, brs. SSE. & NNE., thence along W. slope of top.
 28.00 High peak, top 4 chs. to W. 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 17 in W., and S 16 in E. half; from which,
 A cedar tree 10 ins. diam. brs. N. 49° E. 68 lks. dist., marked $\frac{1}{4}$ S 16 B T.
 A cedar tree 12 ins. diam. brs. N. 76° W. 46 lks. dist., marked $\frac{1}{4}$ S 17 B T.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 8, 9, 16 & 17, marked on brass cap, T 25 N R 9 W, in N. half,
 S 8 in NW.,
 S 9 in NE.,
 S 16 in SE., and
 S 17 in SW. quad.; from which,
 A cedar tree 6 ins. diam. brs. N. 79° E. 235 lks. dist., marked T 25 N R 9 W S 9 B T.
 A cedar tree 8 ins. diam. brs. S. 84 $\frac{1}{2}$ ° E. 172 lks. dist., marked T 25 N R 9 W S 16 B T.
 A cedar tree 7 ins. diam. brs. S. 74° W. 203 lks. dist., marked T 25 N R 9 W S 17 B T.
 A cedar tree 10 ins. diam. brs. N. 74° W. 230 lks. dist., marked T 25 N R 9 W S 8 B T.
 Land, heavily rolling.
 Soil, 3rd rate, gravelly, loose, stony.
 Cedar, pinon, fair grass.
 At this cor., at noon, I set off 10° 34' N. on the decl. arc, and observe the sun on the meridian.
 The resulting lat. is 35° 34' N.

S. 39° 58' E., on a random line, bet. secs. 9 & 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.08 Intersect N. & S. line 7 lks. S. of cor. of secs. 9, 10, 15 & 16, hereinbefore described, whence I run, S. 39° 59' W., on a true line, bet. secs. 9 & 16.,
 Over rolling land, asc. grad., scattering cedar & pinon
 18.00 Top of spur, brs. NNE. & SSW., desc.
 40.04 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 9 in N., and S 16 in S. half; from which,
 A cedar tree 10 ins. diam. brs. S. 21 $\frac{1}{2}$ ° W. 140 lks. dist., marked $\frac{1}{4}$ S 16 B T.
 A cedar tree 14 ins. diam. brs. N. 47° W. 191 lks. dist., marked $\frac{1}{4}$ S 9 B T.
 80.08 To cor. of secs. 8, 9, 16 & 17. hereinbefore described
 Land, rolling.
 Soil, 3rd rate, gravelly loam.
 Cedar, pinon, good grass.

Chains.

West, bet. secs. 8 & 17.

Over gently rolling land, asc. grad.

20.00 Top of low spur, brs. NE. & SW.

26.36 Intersect SE. bdy. line of Hualpai Indian Reservation, whence the 67 mile cor. on said line brs. N. 50° E. 168 lks. 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, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 8 & 17, marked on brass cap, C C W. of centre,

H I R in NW., and

T 25 N R 9 W, in SE. halves,

S 8 in NE., and

S 17 in SE. sectors; from which,

A cedar tree 10 ins. diam. brs. N. 76½° E. 400 lks. dist., marked T 25 N R 9 W S 8 C C B T.

A cedar tree 8 ins. diam. brs. S. 18½° W. 30 lks. dist., marked T 25 N R 9 W S 17 C C B T.

Land, rolling.

Soil, 3rd rate, gravelly.

Cedar, pinon, good grass.

N. 0° 3' W., bet. secs. 8 & 9.

Over rolling land, through clumps of heavy, dense cedar. desc. grad.

21.94 Intersect SE. bdy. line of Hualpai Indian Reservation, whence the 67½ mile cor. on said line brs. N. 50° E. 7.54 chs. dist., which is a limestone 10x8x6 ins. above ground, marked and witnessed as described by the Surveyor-General.

Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 8 & 9, marked on brass cap, C C E. of centre,

H I R in NW., and

T 25 N R 9 W, in SE. halves,

S 9 in SE., and

S 8 in SW. sectors; from which,

A cedar tree 6 ins. diam. brs. N. 83¼° E. 114 lks. dist., marked T 25 N R 9 W S 9 C C B T.

A cedar tree 6 ins. diam. brs. S. 19° W. 93 lks. dist., marked T 25 N R 9 W S 8 C C B T.

Land, rolling.

Soil, 3rd rate, gravelly loam.

Cedar, pinon, heavy in places. Good grass.

April 17, 1912. W.H.E.

Chains.

April 16, 1912. J.B.W.
 At 8h a.m., l.m.t., at the Standard cor. of secs, 31 & 32, on the S. bdy. of the Tp., 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 10°09½' N. on the decl. arc, and 35°30½' N. on the lat. arc, and determine a meridian with the solar. Thence I run,
 N. 0° 3' W., bet. secs. 31 & 32.

- Over heavily rolling, broken land, desc. along top of ridge, through dense cedar and pinon.
- 34.70 Road, brs. NW. & SE.
- 35.60 Draw, 2 chs. wide, course NW., 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 31 in W., and S 32 in E. half; from which,
 A pinon tree 7 ins. diam. brs. S. 70½° E. 76 lks. dist., marked ¼ S 32 B T.
 A pinon tree 8 ins. diam. brs. S. 1¼° W. 101 lks. dist., marked ¼ S 31 B T.
- 66.00 Ridge, brs. NW. & SE., desc.
- 76.38 Road, in draw 2 chs. wide, course NW. leave cedar & pinon
- 77.30 Telegraph line, brs. NW. & SE. parallel to R.R.
- 78.43 A. T. & S. F. R.R., brs. N. 64° 09' W., and S. 64° 09' E. Bridge No. B-457 brs. N. 64° 09' W. 2.82 chs. dist.
- 79.10 Telegraph line, parallel to R.R.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 29, 30, 31 & 32, marked on brass cap, T 25 N R 9 W, in N. half,
 S 30 in NW.,
 S 29 in NE.,
 S 32 in SE., and
 S 31 in SW. quad.;

raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
 Land, rolling, mts., broken.
 Soil, 3rd rate, stony, gravelly.
 Cedar, pinon, fair grass.

- East, on a random line, bet. secs. 29 & 32.
- 40.00 Set temp. ¼ sec. cor.
- 80.00 Intersect N. & S. line 12 lks. S. of cor. of secs. 28, 29, 32 & 33, hereinbefore described, whence I run, S. 39° 55' W., on a true line, bet. secs. 29 & 32. Over rolling land, desc. through scattering cedar & pinon.
- 30.00 Draw 8 chs. wide, course WNW.
- 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 29 in N., and S 32 in S. half; from which,
 A cedar tree 10 ins. diam. brs. N. 82° E. 142 lks. dist., marked ¼ S 29 B T.
 A cedar tree 14 ins. diam. brs. S. 50° W. 40 lks. dist., marked ¼ S 32 B T.
 At this cor., at noon, clouds obscure the sun. impracticable to observe the latitude.
- 47.48 Road, brs. NW. & SE.
- 50.37 Telegraph line, parallel to R.R. below.
- 52.16 A. T. & S. F. R.R. on curve to NW. & W., from SSE.
- 53.33 Telegraph line, parallel to R.R.
- 61.95 Telegraph line, 100 lks. W. of mile post No. 456., brs. NE. & SW., parallel to R.R. below.
- 62.31 A. T. & S. F. R.R., on curve, from ENE. to S. & SW.
- 64.10 Telegraph line, parallel to R.R.
- 64.70 Road, in wash, course SW., crosses under bridge No. A-457 1 ch. to S.
- 80.00 To cor. of secs. 29, 30, 31 & 32. hereinbefore described
 Land, rolling, broken. Soil, 3rd rate, gravelly, stony. Scattering cedar, pinon, fair grass.
 Cloudy this day after 2h p.m. April 16, 1912.

Chains.

April 17, 1912.

At 8h a.m., l.m.t., at the above corner,

I set off $10^{\circ}31'$ N. on the decl. arc, and $35^{\circ}31\frac{1}{2}'$ N. on the lat. arc, and determine a meridian with the solar.

Thence I run,

West, on a random line, bet. secs. 30 & 31.

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

79.94 Intersect West bdy. of Tp. $2\frac{1}{2}$ lks. S. of cor. of secs. 25, 30, 31 & 36, recently established by W.H. Elliott and by him described, in Book 3, whence I run,

S. $89^{\circ}59'$ E., on a true line, bet. secs. 30 & 31.

Over mts., broken land, through scattering cedar and pinon.

39.94 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 30 in N., and

S 31 in S. half; from which,

A pinon tree 6 ins. diam. brs. S. 2° E. 80 lks. dist., marked $\frac{1}{4}$ S 31 B T.

A pinon tree 6 ins. diam. brs. N. 38° E. 145 lks. dist., marked $\frac{1}{4}$ S 30 B T.

Desc. along S. slope of ridge.

46.00 Draw, 2 chs. wide, course SW., asc.

60.45 Spur, brs. N. & S., desc.

67.30 Road, brs. SW. & NE., in draw 2 chs. wide, course SW., passes under bridge C-457 on the R.R.

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

71.10 A. T. & S. F. R.R., on curve to right, going ENE.

75.95 A. T. & S. F. R.R., on curve to right, going ESE.

77.00 Road, brs. NW. & SE., in wash, 20 lks. wide, course NW.

78.15 Telegraph line, brs. WNW. & ESE., parallel to R.R.

79.94 To cor. of secs. 29, 30, 31 & 32 hereinbefore described

Land, mts., broken.

Soil, 3rd rate, gravelly, stony.

Sparse cedar and pinon, fair grass.

N. $0^{\circ}3'$ W., bet. secs. 29 & 30.

Over rolling, broken land, asc. grad., through dense cedar and pinon.

16.00 Top of rise, brs. NW. & SE., 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 30 in W., and

S 29 in E. half; from which,

A pinon tree 12 ins. diam. brs. N. $27\frac{1}{4}^{\circ}$ E. 220 lks. dist., marked $\frac{1}{4}$ S 29 B T.

A cedar tree 12 ins. diam. brs. N. $11\frac{1}{2}^{\circ}$ W. 275 lks. dist., marked $\frac{1}{4}$ S 30 B T.

64.00 Leave cedar, brs. E. & W., enter valley.

77.34 Road, brs. NW. & SE.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 19, 20, 29 & 30, marked on brass cap, T 25 N R 9 W, in N. half,

S 19 in NW.,

S 20 in NE.,

S 29 in SE., and

S 30 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, broken.

Soil, 3rd rate, gravelly, stony, dry.

Cedar, pinon, good grass.

At this cor., at noon, I set off $10^{\circ}34'$ N. on the decl. arc, and observe the sun on the meridian.

The resulting lat. is $35^{\circ}32\frac{1}{2}'$ N.

Chains.

N. 89°55' E., on a random line, bet. secs. 20 & 29. .

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

79.96 Intersect N. & S. line 7 lks. S. of cor. of
secs. 20, 21, 28 & 29, hereinbefore described, whence I run
S. 89°52' W., on a true line, bet. secs. 20 & 29.
Over rolling land, desc. through scattering cedar and
pinon.

5.00 Leave timber, enter valley, brs. NW. & SE.

39.98 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. the
ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
 $\frac{1}{4}$ S 20 in N., and
S 29 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.

50.25 Road, brs. SE. & NW.

79.96 To cor. of secs. 19, 20, 29 & 30. hereinbefore described
Land, rolling.
Soil, 3rd rate, gravelly.
Cedar, pinon, sparse. Good grass.

N. 89°59' W., on a random line, bet. secs. 19 & 30.

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

79.90 Intersect West bdy. of Tp. 5 lks. S. of cor. of
secs. 19, 24, 25 & 30, recently established by
W. H. Elliott, & described in Book 3,
Whence I run,
S. 89°57' E., on a true line, bet. secs. 19 & 30.
Over undulating land, through scattering cedar and
pinon.

39.90 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 19 in N., and
S 30 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 Leave cedar, brs. N. & S.

76.80 Road, brs. NW. & SE.

79.90 To cor. of secs. 19, 20, 29 & 30. hereinbefore described
Land, rolling.
Soil, 3rd rate, gravelly.
Sparse cedar and pinon, good grass.
April 17, 1912.

April 18, 1912.

At 8h a.m., l.m.t., at the above corner, I set off 10°52' N. on the decl. arc, and 35°32½' N. on
the lat. arc, and determine a meridian with the solar.
Thence I run,
N. 0° 3' W., bet. secs. 19 & 20.
Over smooth 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 19 in W., and
S 20 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.

50.00 Enter scattering cedar, brs. E. & W.

71.30 Road, brs. NW. & SE.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
the ground for cor. of secs. 17, 18, 19 & 20, marked on
brass cap, T 25 N R 9 W, in N. half,
S 18 in NW.,
S 17 in NE.,
S 20 in SE., and
S 19 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, gravelly. good grass.

Chains.

- N. $89^{\circ}52'$ E., on a random line, bet. secs. 17 & 20.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. & S. line 12 lks. N. of cor. of
 secs. 16, 17, 20 & 21 hereinbefore described, whence I run
 S. $89^{\circ}57'$ W., on a true line, bet. secs. 17 & 20.
 Over rolling land, desc. through scattering cedar.
 10.00 Foot of slope, asc.
 30.00 Top of knoll, 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 17 in N., and
 S 20 in S. half; from which,
 A cedar tree 12 ins. diam. brs. N. 89° W. 150 lks. dist.,
 marked $\frac{1}{4}$ S 17 B T.
 A cedar tree 14 ins. diam. brs. S. $84\frac{1}{2}^{\circ}$ E. 217 lks. dist.,
 marked $\frac{1}{4}$ S 20 B T.
 80.00 To cor. of secs. 17, 18, 19 & 20 hereinbefore described
 Land, rolling. Soil, 3rd rate, gravelly loam.
 Sparse cedar, pinon, good grass.
 At this cor. at noon, clouds obscure the sun.
 Impracticable to observe the latitude.

West, bet. secs. 18 & 19.

- Over rolling land, through cedar and pinon.
 10.00 Road, brs. NNE. & SSW.
 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 18 in N., and
 S 19 in S. half; from which,
 A cedar tree 6 ins. diam. brs. S. 89° E. 10 lks. dist.,
 marked $\frac{1}{4}$ S 19 B T.
 No other trees in limits.
 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.
 42.33 Intersect SE. bdy. line of Hualpai Indian Reservation,
 whence the $65\frac{1}{2}$ mile cor. on said line, brs. N. 50° E. 6.36
 chs. dist., which is a sandstone 10x10x6 ins. above
 ground, marked and witnessed as described by the
 Surveyor-General.
 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
 the ground for closing cor. of secs. 18 & 19, marked on
 brass cap, C C, W. of centre,
 H I R in NW., and
 T 25 N R 9 W, in SE. halves,
 S 18 in NE., and
 S 19 in SE. sectors;
 dig pits 24x18x12 ins., crosswise on each line,
 N. 50° E. & S. 50° W. 3 ft., and E. of cor. 7 ft. dist., and
 raise a mound of earth 4 ft. base, 2 ft. high E. of cor.
 No trees in limits.
 Land, rolling.
 Soil, 3rd rate, sandy, gravelly loam.
 Sparse cedar, pinon, fine grass.

Chains.

N. $0^{\circ} 3'$ W., bet. secs. 17 & 18.

Over rolling land, asc. grad., through scattering cedar and pinon.

35.46 Intersect SE. bdy. line of Hualpai Indian Reservation, whence the 66 mile cor. on said line, brs. S. 50° W. 8.81 chs. dist., which is a limestone $10 \times 8 \times 6$ ins. above ground, marked and witnessed as described by the Surveyor-General.

Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of secs. 17 & 18, marked on brass cap, C C, E. of centre,

H I R in NW., and

T 25 N R 9 W, in SE. halves,

S 17 in SE., and

S 18 in SW. sectors; from which,

A cedar tree 6 ins. diam. brs. S. 48° E. 51 lks. dist., marked T 25 N R 9 W S 17 C C B T.

A cedar tree 12 ins. diam. brs. S. 22° W. 20 lks. dist., marked T 25 N R 9 W S 18 C C B T.

Land, rolling.

Soil, 3rd rate, gravelly loam.

Scattering cedar and pinon. Good grass.

J. B. W.

- General Description. -

This frac. Tp. consists of rolling land covered with good grass, and dense cedar and pinon in places.

The soil is a loose gravelly loam, with some sand and calcareous clay in places.

The formation is in general limestone, with outcroppings of sandstone on several of the ridges.

There is no water in the Tp. The land is of but little value except for grazing purposes.

April 13, 1912.

Jesse Burdight
William H. Collins

U. S. Surveyors.

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BOOK 2428

Subdivisions Group 16

for FINAL OATH OF UNITED STATES SURVEYOR.

JESSE B. WRIGHT ----- See Book "E"

WILLIAM H. ELLIOTT " " "G"

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, April 21, 1913

The foregoing field notes of the survey of _____
the subdivision lines of Fractional Township 25 North, Range 9 West

Gila & Salt River Base & Meridian

Arizona.

executed by Jesse B. Wright & William H. Elliott, U. S. Surveyors
under ^{their} special instructions ^{for Group 16}, dated February 5, 1912, 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.

U. S. Surveyor General.