

-1813-

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions of
TERRITORY

BOOK 1813

-1813-

1813

of the Utah and Salt River Base and Meridian,

AS SURVEYED BY

Wm. C. Dietrich, United States Deputy Surveyor,

Contract No. *123*, dated *September 15, 1904*

Commenced *April 10, 1905*

Completed *April 24, 1905*

NAMES AND DUTIES OF ASSISTANTS.

Frank K Blair Chairman

Frank A Dietrich "

John M. Trayer manndman

Fred Tagles axeman

Walter Percival flagman

BOOK 1813
INDEX DIAGRAM.

Township _____, Range _____

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BOOK 1813

PRELIMINARY OATHS OF ASSISTANTS.

WE, Frank K. Blair and Frank A. Dietrich
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

the Subdivisions of T18N R11E
Frank K. Blair, Chainman.
Frank A. Dietrich, Chainman.

Subscribed and sworn to before me this 10th
day of April, 1905

Edgar C. Dietrich
U. S. Deputy Surveyor



John M. Trayer and
do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

the Subdivisions of T18N R11E
John M. Trayer, Moundman.
John M. Trayer, Moundman.

Subscribed and sworn to before me this 10th
day of April, 1905

Edgar C. Dietrich
U. S. Deputy Surveyor



Fred Tagles and
do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

the Subdivisions of T18N R11E
Fred Tagles, Axman.
Fred Tagles, Axman.

Subscribed and sworn to before me this 10th
day of April, 1905

Edgar C. Dietrich
U. S. Deputy Surveyor



I, Walter Percival, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of

the Subdivisions of T18N R11E
Walter Percival, Flagman.

Subscribed and sworn to before me this 10th
day of April, 1905

Edgar C. Dietrich
U. S. Deputy Surveyor



No notary public available

Survey commenced April 10, 1905, and executed with a Young & Son Light Mt. Transit No. 5609, with solar attachment. The horizontal limb is provided with two Double Verniers, placed opposite to each other reading to single minutes of arc, which is also the least count of the Verniers with latitude and declination arcs.

Instrument was examined and tested on the true Meridian at Phoenix and found correct, and was approved by the Surveyor General of Arizona.

I examined the adjustments of the transit, and corrected the level and collimation errors, then to test the Solar apparatus by comparing this indication, resulting from Solar observation made during A. M. and P. M. hours with the Meridian determined by observations on Polaris. I proceed as follows:-

At the Cor. of Sec. 1, 2, 35 and 36 on the S. boundary of Tp. 18 N. R. 11 E. which is a stone as heretofore described.

Latitude $34^{\circ} 56'$ N. Longitude. $111^{\circ} 09'$ W.

I set off $34^{\circ} 56'$ N. on the latitude arc and $7^{\circ} 36'$ N. on the decl. arc. and at 3 hrs. 30' P. M. l. m. t. determined the meridian and mark a point thereof on a stone firmly set in the ground 5 chs.. N. of the Cor.

At ^{6 1/2} ~~5~~ hrs. ^{9 M. P. M.} ~~1 1/2~~ by my watch which is correct I observe polaris at western elongation in accordance with Manual of Instructions, and mark a point in the line thus determined on a peg driven in the ground 5 chs. N. of my station.

April 9, 1905.

April 10, at 6 A. M. l. m. t. I lay off ~~on~~ the azimuth of Polaris $1^{\circ} 27'$ to the east, and mark the meridian thus determined by cutting a small groove in the stone set April 9th, on which the Meridian

falls 0.4 ins. E. of the mark determined by the Solar.

At. 8h. 30 m. 1.m.t. I set off $34^{\circ} 56'$ on the lat. arc. and $7^{\circ} 52'$ N. on the dec. arc and mark a point in the meridian determined with the Solar by a cross on the stone already set 5 chs. N. of my station. This mark falls 0.3 ins. ^W of the meridian as established by the Polaris observation. the Solar apparatus by P. M. and A. M. observations defines positions for meridians respectively about $0' 21''$ W. and $0' 16''$ E. of the meridian established by the Polaris observation. Therefore I conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian at 8h. 30 m. A. M. is $N. 13^{\circ} 45' W.$ The angle thus determined gives the magnetic variation $13^{\circ} 45' E.$

Thence I run $N. 0^{\circ} 1' W.$ bet. secs. 35 and 36 Over rolling land and through dense cedars. At this point I mark a (X) and $\frac{1}{4}$ W. C. on limestone 18 X 20 X 10 ins. in place for witness cor. of $\frac{1}{4}$ Sec. Cor. from which a cedar 5 ins. in diam. brs. $N. 20\frac{1}{2}^{\circ}$ ^{20 lks.} E. _A dist. marked W. C. $\frac{1}{4}$ S. 36 B.T.

A cedar 5 ins. diam. brs. $S. 34-1/2^{\circ} W. 31$ lks. dist. marked W. C. $\frac{1}{4}$ S. 35 B.T.

Thence I descend into canon

30.00 Enter canon, course N.E.

40.00 Wash 50 lks. wide course N. E.

50.00 Leave canon and ascend.

65.00 Top, and enter rolling land.

80.00 Set a limestone 18 X 10 X 8 ^{12 ins in ground} ins. _A for Cor. of secs. 25, and 26, 35 and 36 marked with 1 noth on S. and 1 notch on E. edge.

Whence a cedar 10 ins. diam. brs. $N. 85^{\circ} E. 80$ lks. dist. marked T. 18NR. 11 E. Sec. 25 B. T.

Cedar 8 ins. diam. brs. $S. 22^{\circ} E. 140$ lks. dist. marked T. 18 N' R. 11 E. Sec 36 B. T.

Cedar 5 ins. diam brs. S. 68° W. 162 lks. dist.

marked T. 18° N. R. 11 E. sec. 35 B. T.

Cedar 5 ins. diam. brs. N. 29-1/2° W. 69 lks. marked

T. 18 N. R. 11 E. S. 26. B. T.

Land, rolling and mountainous.

Soil, rocky, 3rd and 4th rate.

Timber, cedars.

Land mountainous and heavily timbered 80 chs.

Thence East on a random line bet. secs. 25 and ~~26~~³⁶.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

80.40 Intersect E. bdy. at ^{point} Cor.-of Sec. 25, 30, 31 and 36.

Thence I run from Cor. point West on a true line

bet. Secs. 25 & ~~26~~³⁶ over level and mountainous land

through dense cedar timber

7.00 Descend into canon

12.00 Bottom, course N. E. Ascend.

20.00 Top. of ascent.

40.20 Set a limestone 18 X 10 X 5 ins. 12 ins. in the ground
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, from which
A cedar 5 ins. diam. brs. N. 18-1/2° W. 78 lks. dist.
marked $\frac{1}{4}$ S. 25 B. T.

A cedar 6 ins' diam. brs. S. 77-3/4° E. 41 lks.
dist. marked $\frac{1}{4}$ S' 36 B. T.

59.00 A wash 10 lks wide, course S.E.

80.40 At cor. of Sec. 25, 26, 35 & 36.

Land level and mountainous.

Soil, rocky, 4th rate.

Timber, cedar.

Mountainous and heavily timbered land 80.40 chs.

NOTE: Apr. 10. 12 o'clock, noon. Unable to take observation
of lat. on account of clouds obscuring sun.

Thence N. 0° 1' W. bet secs. 25 and 26.

Over level land and dense cedar timber.

40.00 Set a limestone 18 X 10 X 6 ins. 12 ins. in the ground.
for $\frac{1}{4}$ Sec. Cor. mark ^{ed} $\frac{1}{4}$ on ^w face from which,

		A cedar 5 ins. diam brs. N. $71-3/4^\circ$ E. $35-1/2$ lks. marked $\frac{1}{4}$ S. 25 B T.	BOOK 1813
		A cedar 6 ins. diam. brs. S $50-1/2^\circ$ W. 45 lks. dist. marked $\frac{1}{4}$ S. 26 B T.	
57.20		Center of draw, course S.W.	
80.00		Set a limestone 18 X 8 X 8 ins. 12 ins. in the ground for cor. of secs. 23, 24, 25 and 26, marked with two notches on S. and 1 notch on E. faces; from which	
		A cedar 15 ins. diam. brs. N. $40-1/2^\circ$ E. 52 lks. dist. marked T. 18 N. R. 11 E. Sec. 24 B T.	
		Cedar 10 ins. diam. brs. S. $31-1/2^\circ$ E. 455 lks. dist. marked T. 18 N. R. 11 E. S. 25 B T.	
		A cedar 10 ins. diam brs. S. 29° W. 463 lks. dist. marked T. 18 N. R 11 E S 26 B T.	
		Cedar 8 ins. diam. brs. N. $4-1/4^\circ$ W. 98 lks. dist. marked T. 18 N R 11 E. S 23 B T	
		Land, level.	
		Soil, rocky and sandy, 4th rate.	
		Timber, cedar.	
		Heavily timbered land 80 chs.	
		<hr/>	
		East on a random line bet. Secs. 24 and 25.	
40.00		Set temporary $\frac{1}{4}$ sec. cor.	
80.38		Intersect E. bdy. at cor. of secs. 19, 24, 25 & 30. Thence I run, West on a true line bet. secs. 24 and 25.	
		Over rolling land, through dense cedar timber.	
40.19		Set a limestone 18 X 10 X 8 ins. 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face; from which	
		A cedar 5 ins. diam. brs. N. $49-3/4^\circ$ W. 64 lks. dist. marked $\frac{1}{4}$ S 24 B T.	
		A cedar 10 ins. diam. brs. S. $49\frac{1}{2}^\circ$ W. $129-1/2$ lks. dist., marked, $\frac{1}{4}$ S 25 B T.	
49.00		Draw, 1 ch. wide, course S.W.	
80.38		Cor. of Secs. 23, 24, 25 and 26	
		Land, rolling	

Soil, rocky, 4th rate.

Timber, cedar.

Heavily timbered land 80.38 chs.

N. 0 1' W. bet. Secs. 23 and 24

Over level land, through dense cedar timber.

40.00 Set a limestone 18 X 10 X 4 ins. set 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face; from which,

A cedar 8 ins. diam. brs. S. 70° E. 58 lks. dist. marked $\frac{1}{4}$ S 24 B T.

A cedar 8 ins. diam. brs. N. 56- $\frac{3}{4}$ ° W. 30 lks. dist. marked $\frac{1}{4}$ S 23 B. T.

78.00 Draw 1 ch. wide, course N. E.

80.00 Set a limestone 18 X 8 X 8 set 12 ins. in the ground for Cor. of secs. 13, 14, 23 and 24, marked with 3 notches on the S. and 1 notch on the E. faces. from which,

A cedar 5 ins. diam. brs. N. 26- $\frac{1}{2}$ ° E. 104 lks. dist. marked T. 18 N. R. 11 E S 13 B.T.

A cedar 4 ins. diam. brs. S. 75- $\frac{3}{4}$ ° E. 78 lks. dist. marked T 18 N. R. 11 E S 24 B T.

A cedar 4 ins. diam. brs. S. 27 $\frac{1}{2}$ ° W. 63 lks. dist. marked T. 18N R 11 E S 23 B T.

A cedar 4 ins. diam, brs. N. 48 $\frac{1}{2}$ ° W. 145 lks. dist. marked T. 18 N. R. 11 E S 14 B T.

Land, level,

Soil, rocky, 4th rate.

Timber, cedar.

Heavily timbered land, 80 chs.

April, 10th, 1905

April 11th at 8h 30m A. M. 1.m.t.

I set off ^{37-56 N.}~~35-0'~~ on the lat. arc., 8° 14' on the dec. arc. and determined the meridian with the Solar at the cor. of secs. 13, 14, 23 & 24.

Thence I run,
 East on a random line bet. secs. 13 & 24
 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
 80.32 Intersect E. bdy. of Tp. 10 lks. N. of the cor. of
 Secs. 13, 18, 19 & 24
 Thence I run.
 N. 89° 56' W.
 Over rolling land, ad through cedar timber.
 40.16 Set a limestone 18 X 10 X 5 ins. set 12 ins. in the
 ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, from
 which
 A cedar 5 ins. diam brs. N. 15° W. 26 lks. dist.
 marked $\frac{1}{4}$ S. 13 B T.
 A cedar 6 ins. diam. brs. S. 50° W. 67 lks. dist.,
 marked $\frac{1}{4}$ S. 24 B T.
 74. 30 Draw 1 ch. wide, course N.E.
 80.32 The Cor. of Secs. 13, 14, 23, and 24
 Land, level.
 Soil, rocky, 4th rate.
 Timber, cedar.
 Heavily timbered land 80.32 chs.

N. 0° 1' W. bet secs. 13 & 14.
 Over rolling land, and through cedar timber.
 40.00 Set limestone 18 X 10 X 6 ins. 12ins. in the ground
 for $\frac{1}{4}$ Sec. cor; marked $\frac{1}{4}$ on W. face; from which
 a cedar 5 ins. diam. brs. S. 79° E. 130-1/2 lks. dist.
 marked $\frac{1}{4}$ S. 13 B T.
 A cedar 6 ins. diam. brs. N. 69-3/4° W. 156 lks.
 dist; marked $\frac{1}{4}$ S. 14 B T.
 80.00 Set a limestone 18 X 8 X 4 ins. set 12 ins. in the
 ground for Cor. of sec. 11, 12, 13 & 14; marked
 with four notches of S. and 1 notch on E. faces.
 From which,
 A cedar 6 ins. diam. brs. N. 38-1/2° E. 452 lks. dist.
 marked T. 18 N R 11 E. S 12 B T.

A cedar 5 ins. diam. brs. S. 39° E. 492 lks. dist. ^{BOOK 1813}

marked T. 18 N. R. 11 E S 13 B T.

A cedar 5 ins. diam. brs. S. 48° W. 198 lks. dist.

marked T 18 N R 11 E S 14 B T.

A cedar 5 ins. diam. brs. N. 23-3/4° W. 40 lks.

dist, marked Tp. 18 N R 11 E S 11 B T.

Land, level,

Soil, rocky 4 th rate.

Timber cedar.

Heavily timbered land 80 chs.

At this cor. I set off ^{8' 18" N.} ~~8' 18" N.~~ on the dec. arc. and
at 12 h 4 m l.m.t. observe the sun on the meridian;
the resulting lat. is ^{39° 57' N.} ~~35° 1'~~

Thence S. 89° 56' E. on a random line bet. secs. 12
and 13.

40.00 Set temporary 1/4 Sec. Cor.

80.38 Intersect the E. bdy of Tp. at the corner of secs.
7, 12, 13 & 18,

Thence I run,

N. 89° 56' W. on a true line bet. secs. 12 & 13

Over rolling land, through cedar timber.

40.19 Set a limestone 18 X 8 X 5 ins. set 12 ins. in the
ground, for 1/4 Sec. Cor. ; marked 1/4 on N. face;
from which,

A cedar 5 ins. diam. brs. N. 70-1/2° E. 304 lks.

dist,; marked 1/4 S. 12 B T.

A cedar 4 ins. diam. brs. S. 6-3/4° E. 200 lks dist.
marked 1/4 S. 13 B T.

63.00 Draw 1 ch. wide. course N. E.

80.38 Cor. of secs. 11, 12, 13 & 14.

Land, level

Soil, rocky; 4th rate.

Timber, cedar.

Heavily timbered land 80-38 chs.

N. 0° 1' W. bet. secs. 11 and 12

Over rolling land and through cedar timber.

40.00

Set a limestone 18 X 12 X 6 ins. 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, from which, A cedar 6 ins. diam. brs. N. 75 $\frac{1}{2}$ ° E. 173 lks. dist. marked $\frac{1}{4}$ S. 12 B T.

No other trees within limit.

And raise a mound of stone 2 ft. base 1-1/2 ft. high W. of cor.

78.30

Gulch 10 lks. wide, course S.E.

80.00

Set a limestone 18 X 12 X 8 1/2 ins. in the ground for cor. of secs. 1, 2, 11 and 12, marked with 5 notches on S. and 1 notch on E. edges. from which A pinon 6 ins. diam. brs. N. 0°, 15' E. 181 lks dist. marked T 18 N R 11 E S 1 B T.

A pinon 6 ins. diam. brs. N. 12-1/2° W. 417 lks dist. marked T 18 N R 11 E S 2 B T.

No other trees within limits.

Dig pits 18 X 18 X 12 ins. in secs. 11 & 12 5-~~12~~^{1/2} ft. dist. and raise a mound of earth 4ft. base 2 ft high W. of Cor.

Land rolling,

Soil, rocky; 4th rate.

Timber cedar and pinon.

Thence S. 89° 56' E. on a random line bet. secs. 1 and 12.

40.00

Set temporary $\frac{1}{4}$ Sec. Cor.

80.36

Intersect E. bdy. of Tp. 7 lks. N. of Cor. of secs. 1, 6, 7 & 12

Thence I run,

N. 89° 53' W. on a true line bet. secs. 1 & 1/2

Over level ground.

40.18

Set a limestone 18 X 8 X 5 ins. 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. mark $\frac{1}{4}$ on N. face. Dig pits 18 X 18 X 12 E. and W. 3 ft. dist; and raise a mound of ~~base~~^{earth}

LIST OF NAMES.

A list of the names of the individuals employed by Edgar C. Dietrich, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Subdivisions of T18N R11E showing the respective capacities in which they acted:

- Frank K. Blair, Chairman. ✓
- Frank A. Dietrich, Chairman.
- John M. Trayer, Moundman.
- Fred Tagles, Moundman.
- Fred Tagles, Axman.
- Fred Tagles, Axman.
- Walter Percival, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Edgar C. Dietrich, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivisions of T18N R11E

of the Gila and Salt River based meridian, Territory of Arizona, which are represented in the foregoing field notes as having been surveyed 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 surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Arizona

- Frank K. Blair, Chairman. ✓
- Frank A. Dietrich, Chairman. ✓
- John M. Trayer, Moundman. ✓
- Fred Tagles, Moundman.
- Fred Tagles, Axman. ✓
- Fred Tagles, Axman.
- Walter Percival, Flagman. ✓

Subscribed and sworn to before me this 24th day of April, 1905

Edgar C. Dietrich
U.S. Deputy Surveyor



No notary public available.

50.00 3-1/2 ft. base, 1-1/2 ft. high N. of Cor.
 Enter cedar timber
 72.00 Wash 15 lks. wide, course N. E.
 80.36 Cor. of Secs. 1, 2, 11 & 12.
 Land level.
 Soil, rocky, 4th rate.
 Timber, cedar and pinon
 Heavily timbered land, 30 chs.

40.00 Thence N. 0° 1' W. on a random line bet. secs. 1 & 2
 Set temporary 1/4 Sec. Cor.
 80.10 Intersect N. bdy. of Tp. 24 lks. W. of Cor. of secs
 1, 2, 35 & 36.
 Thence I run,
 S. 0° 1X' W. bet. secs. 1 & 2
 Over level and rolling land through cedar timber.
 9.00 Wash 50 lks. wide, course N.E.
 40.10 Set a limestone 18 X 10 X 4 set 12ins. in the ground
 for 1/4 Sec. Cor. marked 1/4 on W. face; from which
 A cedar 4 ins. diam. brs. S. 60° E. 155 lks. dist.,
 marked 1/4 S. 1 B T.
 A cedar 4 ins. diam. brs. S. 68-1/2° W. 216 lks dist.
 marked 1/4 S. 2 B T.
 80.10 Cor. of Secs. 1, 2, 11 and 12.
 Land, level and rolling.
 Soil, rocky; 4th rate.
 Timber cedar.
 Heavily timbered land 80.10 chs.

April 11th, 1905.

April 12th, at 7h 30 m. A. M. 1.m.t. I set off 34°
 54' on the lat. arc. and 8° 36' on the dec. arc.
 and determined a meridian with the Solar at the cor.
 of secs. 2, 3, 34, & 35 on the S. bdy. of the Tp.
 Thence I run,
 N. 0' 1' W. bet. secs. 34 & 35.

- Over rolling and mountainous land through cedar timber.
- 3.00 Descend.
- 3.40 Foot of descent. Wash 40 lks. wide, course N.E.
Ascend.
- 10.00 Top of ascent.
- 40.00 Set a limestone 18 X 8 X 4 ins. 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face. from which, a cedar 6 ins. diam. brs. N. $78\frac{1}{2}^{\circ}$ E. 48 lks. dist. marked $\frac{1}{4}$ S. 35 B T.
A pinon 12 ins. diam. brs. S. 38° W. 64 lks. dist. marked $\frac{1}{4}$ S 34 B T.
- 80.00 Set a limestone 18 X 10 X 5 ins. 12 ins. in the ground for cor. of Sec. 26, 27, 34 & 35 marked with 1 notch on the S. and two notches on the E. edges. from which
A cedar 5 ins. diam. brs. N. $39-3/4^{\circ}$ E. 147 lks. dist marked T. 18 N. R 11 E S 26 B T.
A cedar 12 ins. diam brs. S. $41\frac{1}{2}^{\circ}$ E. 429 lks. dist., marked T. 18 N R 11 E S 35 B T.
A cedar 4 ins. diam. brs. S $44-1/2^{\circ}$ W. 231 lks dist, marked T 18 N R 11 E S 34 B T.
A cedar 4 ins. diam. brs N 84° W. 15 lks dist, marked T 18 N R 11 E S 27 B T.
- Land, rolling and mountainous.
Soil, rocky and sandy; 3rd and 4th rate.
Timber, cedar.
Heavily timbered land, 80 chs.
-
- 40.00 Thence E. on a random line bet. secs. 26 and 35
Set temporary $\frac{1}{4}$ Sec. Cor.
- 80.18 Intersect N. & S. line at Cor. of secs. 25, 26, 35 & 36.
Thence I run, West on a true line bet. secs. 26 and 35
Over level land and through cedar timber.
- 40.09 Set a limestone 18 X 8 X 6 ins. for $\frac{1}{4}$ Sec. Cor. set 12 ins. in the ground, marked $\frac{1}{4}$ on N. face.

From which,
 A cedar 8 ins. diam. brs. N. 12° E. 94 lks. dist.
 marked $\frac{1}{4}$ S. 26 B T.
 A cedar 5 ins. diam. brs. S 9 $\frac{1}{4}$ ° E. 33 lks dist.
 marked $\frac{1}{4}$ S 35 B T.
 80.18 To cor. of secs. ²⁶~~25~~, ²⁷~~26~~, ³⁴~~35~~ & ³⁵~~36~~.
 Land, level
 Soil, gravelly; 4th rate.
 Timber cedar.
 Heavily timbered land, 80.18 chs.

N. 0° 1' W. bet. secs. 26 & 27.
 Over level land, and through cedar timber.
 40.00 Set a limestone 20 X 18 X 8 ins. set 15ins. in the
 ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face. from
 which
 A cedar 6 ins. diam. brs. S. 23° W. 129 lks. dist,
 marked $\frac{1}{4}$ S 27 B T.
 A cedar 6 ins. diam. brs N. 15 $\frac{1}{2}$ ° E. 79 lks. dist.,
 marked $\frac{1}{4}$ S. 26 B T.
 40.50 Center of draw 1 ch wide, course S.W.
 80.00 Set a limestone 18 X 16 X 6 ins. set 12 ins. in the
 ground, for cor. of secs. 22, 23, 26 & 27, marked
 with two notches on the S. and two notches on the
 E. edges. From which.
 A cedar 6 ins. diam. brs. N. 56° E. 265 lks dist.,
 marked T. 18 N R 11 E S 23 B T.
 A cedar 6 ins. diam. brs. S. 65° E. 60 lks. dist,
 marked T. 18 N R 11 E S 26 B T.
 Cedar 4 ins. diam brs. S. 59° W. 59 lks. dist.,
 marked T 18 N R 11 E S 27 B T.
 A cedar 4 ins. diam brs. N. 49 $\frac{1}{2}$ ° W 107 lks dist.,
 marked T. 18 N R 11 E S 22 B T.
 Land, level.
 Soil, rocky and sandy; 3rd rate.
 Timber, cedar.
 Heavily timbered land, 80 chs.

April 12th. At this cor. I set off $8^{\circ} 40' N$ on the decl. arc and at 12h 2 m 1. m. t. I observe the sun on the meridian. The resulting lat. is $34^{\circ} 56' N$.

- 40.00 Thence ^E on a random line between secs. 23 & 26.
Set a temporary $\frac{1}{4}$ Sec. Cor.
- 80.16 Intersect N. and S. line 20 lks N. of cor. of secs. 23, 24, 25 & 26
Thence N. $89^{\circ} 51'$ W. on a true line bet. secs. 23 & 26.
- 40.08 Set a limestone 18 X 8 X 5 ins. set 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face. from which,
A pinon 6 ins. diam. brs. S. $86-3/4^{\circ}$ E. 106 lks dist. marked $\frac{1}{4}$ S 26 B T.
A cedar 6 ins. diam. brs. N. 54° E. 33 lks. dist., marked $\frac{1}{4}$ S 23 B T.
- 80.16 To cor. of secs, 22, 23, 26 & 27
Land, level.
Soil, rocky and sandy; 4th rate.
Timber, cedar.
Heavily timbered land 80.16 chs.

- Thence N. $0^{\circ} 1'$ W. bet. secs. 22 & 23.
Over level land through cedar timber.
- 32.00 Draw 1 ch. wide, course N. E.
- 37.80 Draw 1 ch. wide, course East.
- 40.00 Limestone 18 X 10 X 4 ins. set 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, from which
A pinon 10 ins. diam. brs. S. $74-1/2^{\circ}$ E. 237 lks. dist, marked $\frac{1}{4}$ S 23 B T.
A cedar 5 ins. diam. brs. S. 64° W 267lks. dist., marked $\frac{1}{4}$ S. 22 B T.
- 80.00 Set a limestone 18 X 12 X 3 ins. 12 ins in the ground for cor. of secs. 14, 15, 22 & 23, marked with three notches of the S. and 2 notches on E. edges.

From which,
 A cedar 6 ins. diam. brs. N. 48° E. 128 lks. dist.,
 marked T. 18 N. R. 11 E S 14 B T.
 A cedar 18ins. diam. brs. S. 53° E. 78 lks. dist.
 marked T. 18 N R 11 E S 23 B T.
 A cedar 6 ins. diam. brs. S. 72° 15' W. 176 lks.
 marked T. 18 N R 11 E S 22 B T.
 A cedar 10 ins. diam. brs. N. 67° W. 92 lks. dist.,
 marked T 18 N R 11 E S 15 B T.
 Land level.
 Soil, rocky; 4th rate.
 Timber, cedar.
 Heavily timbered land, 80 chs.

Thence S. 89° 51' E. on a random line bet. secs. 14
 and 23.

40.00 Set a temporary $\frac{1}{4}$ Sec. Cor.

80.18 Intersect N. and S. line 7 lks. S. of cor. of secs.
 13, 14, 23 and 24

Thence N. 89° 54' W. on a true line bet secs. 14 and
 23.

Over level land and cedar timber.

40.09 Set limestone 18 X 8 X 6 ins. 12 ins. in the ground,
 for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on N. face; from which

A cedar 8 ins' diam. brs. S. 9 $\frac{1}{2}$ ° W. 71 lks. dist.,
 marked $\frac{1}{4}$ S 23 B T.

A cedar 4 ins. diam. brs. N. 22° E 51 lks. dist.,
 marked $\frac{1}{4}$ S. 14 B T.

80.18 To cor. of secs. 14, 15, 22 & 23

Land level.

Soil, rocky; 4th rate.

Timber cedar.

Heavily timbered 80.18 chs.

April 12th, 1905.

April 13th at 7h 30m A. M. 1.m.t. I set off ~~34-53'~~ ^{34-57'}

on the lat. arc. and $8^{\circ} 58'$ on the decl. arc.;
 and determined a meridian with the Solar at the cor.
 of secs. 14, 15, 22 and 23.

Thence I run,

N. $0^{\circ} 1'$ W. bet. secs. 14 and 15.

Over level land, through cedar timber.

40.00

Set a limestone 18 X 12 X 4 ins., 12 ins. in the
 ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, from
 which

A cedar 8 ins. diam. brs. N. 70° E, 20 lks. dist.,
 marked $\frac{1}{4}$ S 14 B T.

A cedar 5 ins. diam. brs. S. 48° W. 24 lks dist.,
 marked $\frac{1}{4}$ S 15 B T.

80.00

Set a limestone 18 X 10 X 3 ins. set 12 ins. in the
 ground, for cor. of secs. 10, 11, 14 & 15, marked
 with four notches on S. and two notches on E. edges
 From which,

A cedar 4 ins. diam. brs. N. $44-1/2^{\circ}$ E. 120 lks. dist,
 marked T. 18 N R 11 E S 11 B T.

A cedar 6 ins. diam. brs. S. 75° E. 124-1/2 lks.
 dist. marked T. 18 N R. 11 E S 14 B T.

A cedar 10 ins. diam. brs. S. $72 1/2^{\circ}$ W. 188 lks dist,
 marked T. 18 N R 11 E S 15 B T.

A cedar 6 ins. diam. brs. N. 66° W. 135 lks. dist.
 marked T. 18 N R 11 E S 10 B T.

Land, level.

Soil, rocky and sandy; 3rd rate.

Timber cedar.

Heavily timbered land 80 chs.

Thence S. $89^{\circ} 54'$ E. on a random line bet. secs.
 11 & 14.

40.00

Set a temporary $\frac{1}{4}$ Sec. Cor.

80.14

Intersect N. and S. line 10 lks S. of cor. of secs.
 11, 12, 13 & 14.

Thence N. $89^{\circ} 58'$ W. on a true line bet secs. 11
 and 14.

40.07 Over level land, through cedar timber.
 Set a limestone 18 X 10 X 5 ins. set 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, from which h
 A cedar 6 ins. diam brs. N. 48° W. 43 lks dist, marked $\frac{1}{4}$ S 11 B T.
 A cedar 6 ins. diam. brs. S. 4-1/2° W. 65 lks dist, marked $\frac{1}{4}$ S 14 B T.

80. 14 To cor. of secs. 10, 11, 14 & 15.
 Land, level.
 Soil rocky. 4th rate.
 Timber cedar.
 Heavily timbered land 80.14 chs.

N. 0° 1' W. bet secs. 10 & 11
 Over level land, through cedar timber.

40.00 Set a limestone 18 X 10 X 5 ins. 12 ins in the ground for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on W. face. from which c
 A cedar 4 ins. diam. brs. S. 41-1/2° W. 53 lks. dist. marked $\frac{1}{4}$ S. 10 B T.
 A cedar 4 ins. diam" brs. N. 35° E. 161 lks. dist. marked $\frac{1}{4}$ S. 11 B T.

52.90 Draw 1 ch wide, course N.E.

80.00 Set a limestone 20 X 12 X 10ins. set 15ins in the ground for cor. of secs. 2, 3, 10 & 11 ,arked with 5 notches on the S. and 2 notches on the E. edges. From which,
 A cedar 4 ins. diam. brs. N. 50° E 230 lks. marked T. 18 N. R. 11 E. S 2 B T.
 A pinon 4 ins. diam. brs. S. 54° E. 50 lks dist. marked T. 18 N R. 11 E S 11 B T.
 A cedar 6 ins. diam. brs. S. 86° W. 280 lks dist, marked T. 18 N R. 11 E S 10 B T.
 A cedar 6 ins. diam. brs. N. 22-1/2° W 322 lks dist, marked T. 18 N. R 11 E S 3 B T.
 Land, level,
 Soil, rocky; 4th rate.

Timber, cedar.

Heavily timbered land, 80 chs.

April 13th. At this cor. I set off 9° 1' N. on the decl. arc, and at 12h 3 m l.m.t. observe the sun on the meridian; the resulting lat. is 34° 58' 7

Thence S. 89° 58' E. on a random line bet. secs. 2 & 11.

40.00 Set a temporary 1/4 Sec. Cor.

80.12 Intersect N. & S. line at cor. of secs. 1, 2, 11 and 12.

Thence I run,

N. 89° 58' W. bet. secs. 2 & 11

Over level land, through cedar timber.

40.06 Set a limestone 18 X 12 X 5 ins. set 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on the N. face, from which,

A cedar 4 ins. diam. brs. S. 38-1/2° E. 128 lks dist. marked 1/4 S. 11 B T.

A cedar 12 ins diam. brs. N. 45 1/4° W. 237 lks dist. marked 1/4 S 2 BT.

80.12 The cor. of secs. 2, 3, 10 & 11.

Land, level.

Soil, rocky; 4th rate.

Timber, cedar.

Heavily timbered land 80.12 chs.

N. 0° 1' W. on a random line bet. secs. 2 & 3.

40.00 Set temporary 1/4 Sec. Cor.

80.28 Intersect N. bdy. 34 lks. W. of cor. of Secs. 2, 3, 34 & 35.

Thence I run on a true line S. 0° 14' W. bet secs. 2 and 3,

Over level land, and through cedar timber.

40.28 Set a limestone 18 X 10 X 5 ins. 12 ins in the ground for 1/4 Sec. Cor. mark 1/4 on W. face. from which

From which,
 A cedar 6 ins. diam. brs. S. $76-1/2^\circ$ E. 54 lks. dist,
 marked $\frac{1}{4}$ S 2 B T.
 A cedar 8 ins. diam. brs. S. $72-1/2^\circ$ W. 75 lks dist,
 marked $\frac{1}{4}$ S 3 B T.
 80.28 Cor. of secs. 2, 3, 10 & 11.
 Land level.
 Soil, rocky; 4th rate.
 Timber, cedar.
 Heavily timbered land 80.28chs.

April 13th, 1905.

April 14th. At 8h 30m A. M. 1.m.t. I set off $34^\circ 54'$ on the lat. arc. and $9^\circ 21'$ N. on the decl. arc. and determined the meridian with the Solar at the cor. of secs. 33, 34, 33 and 34.

Thence I run,

N. $0^\circ 2'$ W. bet. secs. 33 & 34.

Over level land, through cedar timber.

40.00 Set a limestone 18 X 10 X 10 ins. set 12 ins. in the ground. for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, from which,

A cedar 14 ins. diam brs. N. $8-1/2^\circ$ E. 54 lks dist. marked $\frac{1}{4}$ S. 34 B T.

A cedar 8 ins. diam brs. S. 85° W. 84 lks. dist, marked $\frac{1}{4}$ S 33 B T.

80.00 Set a limestone 18 X 12 X 3 ins. set 12 ins in the ground, for cor. of secs. 27, 28, 33 & 34. marked with one notch on the S., and 3 notches on the E. edges; from which

A pinon 8 ins. diam. brs. N. 43° E 68 lks dist., marked T. 18 N R 11 E S 27 B T.

A pinon 4ins diam. brs. S. $34-3/4^\circ$ E. 24 lks dist, marked T 18 N R. 11 E S 34 B T.

A pinon 4 ins. diam brs. S. 60° W. 27 lks. dist., marked T 18 N R 11 E S 33 B T.

A cedar 6 ins. diam brs N. $63\frac{1}{4}^\circ$ W 52 lks. marked

T. 18 N R 11 E. S 28 B T.

Land, level.

Soil, rocky; 4th rate.

Timber, cedar.

Heavily timbered land 80. chs.

East on a random line bet. set 27 and 34

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

80.14 Intersect N. and S. line at Cor. of Secs. 26, 27, 34 and 35.

Thence I run,

West on a true line bet. secs. 27 and 34

Over level land, through cedar timber.

40.07 Set a limestone 18 X 12 X 6 ins. set 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, from which,

A cedar 5 ins. diam. brs. N. $4-3/4^\circ$ W. 38 lks dist, marked $\frac{1}{4}$ S. 27 B. T.

A cedar 6 ins. diam. brs. S. $21-3/4^\circ$ W. 64 lks. dist. marked $\frac{1}{4}$ S. 34 B T.

80.14 To cor. of secs. 27, 28, 33 & 34

Land, level.

Soil, rocky; 4th rate.

Timber, cedar.

Heavily timbered land 80.14 chs.

N 20° 2' W. bet. secs. 27 & 28.

Over level land, and through cedar timber.

40.00 Set a limestone 18 X 10 X 10 ins. 12 ins. in the ground for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on W. face, from which A pinon 8 ins. diam. brs. N. $86-1/2^\circ$ W. 48 lks dist. marked $\frac{1}{4}$ S. 28 B. T.

A pinon 8 ins. diam. brs. N. 81° E. 107 lks. dist. marked $\frac{1}{4}$ S 27 B. T.

42.00 Draw 80 lks. wide, course N. E.

56.60 Draw 1 ch. wide, course N.E.

69.80 Draw 1.20 chs. wide course S. E.

80.00 Set a limestone 18 X 8 X 6 ins. 12 ins. in the ground, for cor of secs. 21, 22, 27 & 28, marked with two notches on S. and 3 on E. edges, from which
 A cedar 6 ins. diam. brs N. 37-1/2° E. 323 lks dist, marked 18 N.TR. 11 E S 22 B T.
 A cedar 6 ins. diam brs. S. 61-1/2° E. 137 lks dist, marked T 18 N. R 11 E S 27 B T.
 A cedar 7 ins. diam brs. S. 71° W. 62 lks dist, marked 18 N.TR. 11 E. S 28 B T.
 A cedar 8 ins. diam. brs. N. 27 1/4° W. 177 lks. dist, marked T. 18 N. R. 11 E S 21 B T.

Land level,
 Soil rocky; 4th rate.
 Timber, cedar.
 Heavily timbered land, 80 chs.
 April 14th. At this cor. I set off 9° 23' N. on the decl. arc. and at 12 h 3m l.m.t. observe the sun on the meridian; the resulting lat. is 34° 55' N.

Thence E. on a random line bet. secs. 22 & 27

40.00 Set a temporary 1/4 Sec. Cor.

80.14 Intersect N. & S. line 10 lks. N. of cor. of secs. 22, 23, 26 & 27

Thence N. 89° 56' W. on a true line bet secs. 22 & 27
 Over level land through cedar timber.

27.20 Draw 80 lks wide, course S. E.

40.07 Set a limestone 18 X 12 X 3 ins. set 12 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, from which
 A cedar 4 ins. diam. brs. N. 63° W. 14 lks dist., marked 1/4 S 22 B T.
 A cedar 4 ins. diam. brs. S. 47° W. 28 lks dist., marked 1/4 S. 27 B T.

80.14 The cor. of secs. 21, 22, 27 & 28.
 Land, level.
 Soil, rocky & gravelly, 4th rate.

Timber, cedar.
Heavily timbered land 80.14 chs.

40.00 N. 0° 2' W. bet. secs. 21 & 22
Over level land, through cedar timber.
Set a limestone 18 X 14 X 6 ins. 12 ins in the ground,
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, from which,
A cedar 6 ins. diam. brs. N. 50-1/3° W. 59 lks dist.
marked $\frac{1}{4}$ S. 21 B T.
A cedar 4 ins. diam. brs. N. 19° E. 201 lks dist.
marked $\frac{1}{4}$ S. 22 B T.

80.00 A limestone 18 X 12 X 8 ins, set 12 ins in the
ground for cor of secs. 15, 16, 21 & 22, marked
with 3 notches on the S. and 3 notches on the E edges.
From which
A cedar 5 ins. diam brs. N. 50 $\frac{1}{2}$ ° E. 26 lks. dist,
marked T. 18 N R 11 E S 15 B T.
A cedar 4 ins. diam. brs S. 13-1/2° E. 31 lks. dist,
marked 18 N. R. 11 E. S 22 B T.
A cedar 12 ins. diam. brs. S. 37 $\frac{1}{2}$ ° W. 44 lks dist,
marked T. 18 N R 11 E S 21 B T.
A cedar 6 ins. diam. brs. N. 24° W. 41 lka dist,
marked T 18 N R 11 E S 16 B T.
Land level.
Soil rocky and sandy, 4th rate.
Timber cedar.
Heavily timbered land 80. chs.

40.00 S. 89° 56' E. on a random line bet secs. 15 & 22.
Set temporary $\frac{1}{4}$ Sec. Cor.
80.10 Intersect N. & S. line 5 lka. N. of cor. of secs.
14, 15, 22 & 23.

Thence I run,
N. 89° 54' W. bet. secs. 15 & 22.
Over level land, through cedar timber.
40.05 Set a limestone 18 X 8 X 4 ins. 12 ins in the ground

for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, from which,
 A cedar 4 ins diam. brs. S. 24° W. 26 lks. dist.
 marked $\frac{1}{4}$ S. 22 B T.
 A cedar 4 ins. diam brs N. 13° W. 56lks dist,
 marked $\frac{1}{4}$ S. 15 B T.
 80.10 Cor. of secs. 15, 16, 21 and 22.
 Land, level.
 Soil rocky and sandy; 3rd and 4th rate.
 Timber, cedar.
 Heavily timbered land 80.10 chs.

April 14th, 1904.

April 15th at 8h 35m A. M. l.m.t. I set off 34° ⁵⁷~~59~~
 on the lat. arc. and 9° 42' N. on the decl. arc.
 and determine a meridian with the Solar at the cor
 of secs. 15, 16, 21 & 22.

Thence I run,

N. 0° 2' W. bet. secs. 15 & 16

Over level land, and through cedar timber.

40.00 Set a limestone 18 X 10 X 5 ins. 12 ins. in the
 ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face. from
 which,

A cedar 20 ins. diam. brs. S. 71° W. 55lks dist.,
 marked $\frac{1}{4}$ S. 16 B T.

A cedar 4 ins. diam' brs S 71° E. 97 lks dist.,
 marked $\frac{1}{4}$ S 15 B T.

68.60 Draw 80 lks wide, course N.E.

80.00 Set a limestone 18 X 10 X 4 ins, 12 ins in the ground
 for cor. of secs. 9, 10, 15 & 16, marked with 4 notches
 on the S. and 3 notches on the E. edges; from which

A pinon 4 ins. diam. brs. N. 39° E. 88 lks dist.,
 marked T. 18 N R 11 E S 10 B T.

A pinon 7 ins. diam. brs S. 17-1/2° E. 89 lks dist,
 marked T 18 N R 11 E S 15 B T.

A cedar 4 ins diam. brs S 34° W. 81 lks. dist.,
 marked T. 18 N R 11 E S 16 B T.

A pinon 8 ins. diam. brs N. 34° W. 87 lks dist.,
marked T. 18 N R 11 E S 9 B T.

Land, level.

Soil, rocky and sandy; 3rd and 4th rate.

Timber, cedar and pinon.

Heavily timbered land 80. chs.

S. 89° 54' E. on a random line bet secs. 10 & 15.

40.00 Set a temporary 1/4 sec. cor.

80.12 Intersect N & S. line 10 lks S. of cor of secs. 10,
11, 14 & 15.

Thence N. 89° 58' W. on a true line bet. secs 10 & 15
Over level land and through cedar timber.

40.06 Set a limestone 18 X 8 X 4 ins, 12 ins. in the ground
for 1/4 Sec. Cor. marked 1/4 on N. face; from which
A cedar 6 ins. diam brs. S. 17° E. 120 lks dist.,
marked 1/4 S. 15 B T.

A cedar 18 ins. diam. brs. N. 39 1/4° W. 152 lks dist,
marked 1/4 S. 10 B T.

40.60 Draw 50 lks wide, course N.E.

69.00 Draw 50 lks wide, course N.E.

80.12 The Cor. of Sec. 9, 10,,15 and 16

Land, level.

Soil, rocky; 4th rate.

Timber, cedar.

Heavily timbered land 80.12 chs.

N. 0° 2' W. bet secs. 9 & 10

Over level land, through cedar timber.

30.00 Draw 80 lks wide, course S.E.

40.00 Limestone 18 X 12 X 10 ins. set 12 ins in the ground
for 1/4 sec. cor. marked 1/4 on W. face, from which,
A cedar 10 ins. diam brs. S. 70° W 15 lks dist.,
marked 1/4 S. 9 B T.

- A cedar 14 ins. diam brs. N. 35° E. 49 lks dist.
 Marked $\frac{1}{4}$ S 10 B T.
- 59.00 Draw 1 ch. wide, course S E.
- 66.40 Draw 50 lks wide, course S. E.
- 80.00 Set a limestone 18 X 14 X 6 ins. 12 ins. in the ground
 for cor. of secs. 3, 4, 9 & 10 marked with 5 notches
 on S. edges and 3 notches on E. edge. from which,
 A cedar 16 ins. diam brs. N. $25-1/2^{\circ}$ E. 26 lks. dist,
 marked T. 18 N R 11 E S 3 B T.
- A cedar 5 ins. diam brs. S. $48-1/2^{\circ}$ E. 106 lks dist,
 marked T. 18 N R 11 E S 10 B T.
- A cedar 20 ins diam brs. S. 43° W. 28 lks dist,
 marked T 18 N R 11 E S 9 B T.
- A cedar 10 ins. diam brs. N. $27-1/2^{\circ}$ W. 30 lks dist,
 marked T. 18 N R. 11 E S 4 B T.
- Land, level.
- Soil, rocky; 4th rate.
- Timber, cedar.
- Heavily timbered land 80 chs.
- April 15th at this Cor. I set off $9^{\circ} 45'$ N. on the
 decl. arc and at 12 h 5 m l.m.t. observe the sun
 on the meridian; the resulting lat. is $34^{\circ} 58' 71$
-
- 40.00 Thence S. $89^{\circ} 58'$ E. on a random line bet secs. 3 & 10
 Set temporary $\frac{1}{4}$ Sec. Cor.
- 80.12 Intersect N & S. line at corner. of secs. 2, 3, 10
 and 11.
- Thence I run,
- 40.06 N. $89^{\circ} 58'$ W. on a true line bet secs . 3 & 10
 Set a limestone 18 X 8 X 6 ins. 12 ins. in the ground
 for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face. from which,
 A cedar 10 ins. diam brs. N. $67\frac{1}{2}^{\circ}$ E. 47 lks dist,
 marked $\frac{1}{4}$ S 3 B T.
- A cedar 6 ins. diam. brs. S. $32-1/2^{\circ}$ E. 135 lks dist,
 marked $\frac{1}{4}$ S 10 B T.

- 64.00 Draw 50 lks wide, course N.
- 74.40 Draw 50 lks wide, course N.
- 80.12 o Cor. of secs. 3, 4, 9 & 10.
Land level.
Soil rocky, 4th rate.
Timber, cedar.
Heavily timbered land, 80.12 chs.
-
- 40.00 Thence N. $0^{\circ} 2'$ W. on a random line bet secs. 3 & 4
Set temporary $\frac{1}{4}$ Sec. Cor.
- 80.46 Intersect N. bdy of Tp. 45 lks W. of cor. of secs.
3, 4, 33, & 34.
Thence S. $0^{\circ} 17'$ W. on a true line bet. secs. 3 & 4
Over level land through cedar timber.
- 40.46 Set a limestone 18 X 10 X 6 ins. 12 ins in the
ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face. from
which
A cedar 8 ins. diam brs. N. $71-3/4^{\circ}$ E. 15 lks dist,
marked $\frac{1}{4}$ S. 3 B T.
A cedar 6 ins. diam. brs. S. 61° W. 49 lks. dist,
marked $\frac{1}{4}$ S. 4 B T.
- 71.00 Descend.
- 73.70 Wash 20 lks wide, course E.
- 80.46 The Cor. of secs. 3, 4, 9 & 10.
Land, level and rolling.
Soil, rocky; 4th rate.
Timber, cedar.
Heavily timbered land 80.46.

April 15th, 1904.

April 16th, at 8h 30 m A. M. l.m.t. I set off 10°
 $34^{\circ} 54' N.$ on the lat. arc and determine a meridian with
the Solar at the cor. of secs. 4, 5, 32 & 33 on the
S. bdy of the Tp.

Thence I run, N. $0^{\circ} 2'$ W. bet secs. 32 and 33

Over mts. land, through cedar timber. Descending.

14.00 Foot of descent. Wash 10 lks wide, course E.

15.10 Wash 10 lks wide, course E.

22.00 Wash 10 lks wide, course E.

29.30. Wash 10 lks wide, course E.

40.00 Set a malpais stome 18 X 14 X 6 ins. 12 ins in the ground marked $\frac{1}{4}$ on W. face, from which,
 A cedar 10 ins. diam. brs. N. $54\frac{1}{4}^{\circ}$ E. 44 lks dist, marked $\frac{1}{4}$ S. 33 B T.
 A cedar 8 ins. diam brs S. 60° W. 81 lks dist, marked $\frac{1}{4}$ S. 32 B T.

80.00 Set a malpais stome 18 X 10 X 6 ins. 12 ins. in the ground, for cor. of sec. 28, 29, 32 & 33 marked with 1 notch on S. and 4 notches on E. edges; from which
 A cedar 6 ins. diam brs. N. 42° E. 66 lks dist., marked T. 18 N. R 11 E S 28 B T.
 A cedar 8 ins. diam brs S. $60\frac{1}{4}^{\circ}$ E. 67 lks dist. marked T 18 N R 11 E S 33 B T.
 A cedar 7 ins. diam brs S. 64° W. 76 lks dist. marked T 18 N R 11 E S 32 B T.
 A cedar 11 ins diam brs N. $25-1/3^{\circ}$ W. 43 lks dist. marked T 18 N R 11 E S 29 B T.

Land mountainous and level.
 Soil, rocky; 4th rate.
 Timber, cedar.
 Mountainous and heavily timbered land 80 chs.

East on a random line bet. secs 28 & 33.

40.00 Set a temporary $\frac{1}{4}$ Sec. Cor.

80.26 Intersect N. & S. line 10 lks S. of cor of secs. 27, 28, 33 & 34
 Thence S. $89^{\circ} 56'$ W. on a true line bet secs. 28 & 33
 Over level land, through cedar timber.

40.13 Set a limestone 18 X 14 X 5 ins. 12 ins in the ground, marked $\frac{1}{4}$ on N. face for $\frac{1}{4}$ Sec. Cor. from which

- A cedar 12 ins. diam. S. $9-1/2^\circ$ E. 26 lks dist.
marked $\frac{1}{4}$ S 33 B T.
- A cedar 10 ins. diam brs. N. 38° W. 91 lks dist.,
marked $\frac{1}{4}$ S 23 B T.
- 44.80 Wash 10 lks wide, course N.E.
- 64.80 Wash 10 lks wide, course N.E.
- 70.60 Wash 10 lks wide, course N.E.
- 80.26 The Cor. of Secs. 28, 29, 32 & 33.
Land level and rolling.
Soil, rocky; 4th rate.
Timber, cedar.
Heavily timbered land, 80.26 chs.
-
- North $0^\circ 2'$ W. bet. secs. 28 & 29
Over rolling land, through cedar timber.
- 40.00 Set a malpais stone 18 X 10 X 6 ins. 12 ins in the
ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, whence.
A cedar 4 ins. diam brs. N. 59° W. 16 lks dist.,
marked $\frac{1}{4}$ S. 29 B T.
- A cedar 4 ins. diam. brs. N. $83-1/2^\circ$ E. 9 lks dist,
marked $\frac{1}{4}$ S 28 B T.
- 80.00 Set a malpais stone 18 X 10 X 8 ins 12 ins. in the
ground for cor. of sec. 20, 21. 28 & 29 marked with
2 notches on the S and 4 notches on the E, from which
A pinon 6 ins. diam. brs. N. 53° E. 75 lks dist.
marked T 18 N. R. 11 E S 20 B T.
- A cedar 8 ins. diam. brs. S. $40\frac{1}{4}^\circ$ E. 415 lks dist,
marked T 18 N R 11 E S 28 B T.
- A cedar 8 ins. diam brs S $55\frac{1}{4}$ W. 263 lks dist,
marked 18 N R 11 E S 29 B T.
- A cedar 6 ins. diam brs. N. 66° W. 221 lks dist.
marked T 18 N R 11 E 20 B T.
- Land, rolling and level.
Soil, rocky and sandy. 4th rate.
Timber, cedar
Heavily timbered land 80. chs.

April 16th, at this cor. I set off $10^{\circ} 6'$ N. on the decl. arc, and at 12h 4m. 1.m.t. observethe sun on the meridian; the resulting lat. is $34^{\circ} 55'.7$.

-
- N. $89^{\circ} 56'$ E. on a random line bet secs. 21 and 28.
- 40.00 Set a temporary $\frac{1}{4}$ Sec. Cor.
- 80.20 Intersect N & S. line 5 lks N. of cor. of secs. 21, 22, 27 & 28,
- Thence I run,
- S. $89^{\circ} 58'$ W. on a true line,
- Over level land, through cedar timber.
- 25.40 Draw, 60 lks wide, course S.E.
- 40.10 Set a sandstone 18 X 8 X 4 ins. 12 ins in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, from which A cedar 4 ins. diam. brs. S 48° E. 26 lks dist. marked $\frac{1}{4}$ S. 28 B T.
- A cedar 9 ins. diam brs N. 35° E 310 lks dist. marked $\frac{1}{4}$ S. 21 B T.
80. 20 To Cor. secs. ²⁰ 21, ²¹ ~~22~~, ²⁸ ~~28~~ & ²⁹ ~~29~~.
- Land, level.
- Soil rocky, 4th rate.
- Timber, cedar.
- Heavily timbered land, 80.20 chs.
-
- N. $0^{\circ} 2'$ W. bet secs. 20 & 21.
- Over level land, through cedar timber.
- 40.00 Set a limestone 18 X 10 X 8 ins, set 12 ins in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, from which
- A cedar 30 ins. diam brs. N 60° E. 48 lks dist, marked $\frac{1}{4}$ S. 21 B T.
- A cedar 4 ins diam. brs. N. 40° W. 2 lks dist. marked $\frac{1}{4}$ S 20 B T.
- 80.00 Set a sandstone 18 X 10 X 4 ins, 12 ins in the ground, for cor. of secs. 16, 17, 20 & 21, marked with 3 notches on the S & 4 notches on the E edges.

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40.00
80.14
40.07
47.60
80.14

From which,

A cedar 10 ins. diam brs. N. $14\frac{1}{2}^{\circ}$ E. 42 lks dist,
marked T 18 N R 11 E S 16 B T.

A cedar 8 ins diam brs. S. $64\frac{1}{2}^{\circ}$ E. 56 lks dist,
marked T. 18 N R 11 E S 21 B T.

A cedar 12 ins diam brs. S. 57° W. 306 lks dist,
marked T. 18 N R 11 E S 20 B T.

No other tree available.

Raise a mound of stone 2 ft base 1-1/2 ft high W. of cor.
Land, level.

Soil, rocky; 4th rate.

Timber, cedar.

Heavily timbered land, 80 chs.

Thence N. $89^{\circ} 58'$ E. on a random line bet secs. 16
and 21.

40.00 Set a temporary $\frac{1}{4}$ Sec. Cor.

80.14 Intersect N & S. line 5 lks. N. of cor. of secs.
15, 16, 21 & 22.

Thence W. on a true line bet secs. 16 & 21.

40.07 Set a limestone 18 X 10 X 6 ins $1\frac{1}{2}$ ins in the ground
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, from which
A cedar 24ins diam. brs. N. 13° E. 29 lks dist,
marked $\frac{1}{4}$ S 16 B T.

A cedar 4 ins. diam brs. S. $29-3/4^{\circ}$ W. 2 lks dist.
marked $\frac{1}{4}$ S. 21 B T.

47.60 Draw 50 lks wide, course N. E.

80.14 The cor. of secs. 16, 17, 20 & 21

Land, level.

Soil, rocky; 4th rate.

Timber, cedar.

Heavily timbered land 80.14 chs.

April 16th, 1905.

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- April 17th. at 8h 30 m A. M. 1.m.t. I set off 34°
~~35'~~ ^{57'} on the lat. arc; and $10^{\circ} 24'$ on the decl. arc,
 and determine a meridian with the Solar at the cor.
 of secs. 16, 17, 20 & 21.
- Thence N. $0^{\circ} 2'$ W. between secs. 16 & 17
 Over level land and through cedar timber.
- 1.00 Draw 50 lks. wide, course N.E.
- 40.00 Set a limestone 18 X 10 X 5 ins. 12 ins in the
 ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face.
 From which
 A cedar 6 ins. diam. brs. S. 27° W. 6 lks dist.,
 marked $\frac{1}{4}$ S 17 B T.
 A cedar 10 ins. diam. brs. S. 22° E. 15 lks. dist.
 marked $\frac{1}{4}$ S 16 B T.
- 66.00 Leave dense timber
- 80.00 Set a limestone 18 X 10 X 8 ins. 12 ins in the ground
 for cor. of secs. 8, 9, 16 & 17, marked with four
 notches on the S. and E. edges. From which,
 A cedar 14 ins. diam. brs. N. 86° E. 269 lks dist.
 marked T. 18 N R 11 E S 9 B T.
 A cedar 12 ins. diam brs S. $21-1/2^{\circ}$ E. 411 lks dist,
 marked T 18 N R 11 E S 16 B T.
 No other trees available; and raise a mound of stone
 2 ft. base, 1-1/2 ft high W. of cor.
 Land, level,
 Soil, sandy and rocky; 3rd and 4th rate.
 Timber cedar.
 Heavily timbered land, 66 chs.
-
- East on a random line bet. secs. 9 & 16.
- 40.00 Set a temporary $\frac{1}{4}$ Sec. Cor.
- 80.08 Intersect N & S. line at cor. of secs. 9, 10, 15 & 16
 Thence I run W. on a true line bet secs. 9 & 16
 Over level land, through cedar timber.
- 40.04 Set a limestone 18 X 10 X 8 ins. 12 ins. in the
 ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face.

- From which,
- A cedar 12 ins. diam. brs. S. 25° E. 216 lks dist,
marked $\frac{1}{4}$ S 16 B T.
- A cedar 10 ins. diam. brs. N. 82 $\frac{1}{4}$ ° W. 53 lks dist,
marked $\frac{1}{4}$ S 9 B T.
- 77.00 Leave dense timber. brs. N.E. & S.W.
- 80.08 The cor. of secs. 8, 9 16 & 17
- Land level.
- Soil, rocky & sandy; 3rd and 4th rate.
- Timber, cedar.
- Heavily timbered land, 77 chs.
-
- N. 0° 2' W. bet. secs. 8 & 9
- Over level land, through cedar timber.
- 21.50 Enter dense cedar timber, brs. N.E. & S.W.
- 40.00 Set a limestone 18 X 10 X 5 ins. 12 ins in the ground
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, from which,
A cedar 4 ins. diam brs. N. 57-1/2° E. 97 lks dist,
marked $\frac{1}{4}$ S. 9 B T.
- A cedar 4 ins. diam. brs. S. 51-1/2° W. 80 lks dist,
marked $\frac{1}{4}$ S 8 B T.
- 77.20 Wash 10 lks wide, Course E.
- 80.00 Set a limestone 18 X 12 X 5 ins. 12 ins in the ground
for cor. of secs. 4, 5, 8 & 9, marked with 5 notches
on the S. and 4 notches on the E. edges, from which
A cedar 4 ins. diam. brs. N. 44° E. 57 lks. dist.,
marked T. 18 N R 11 E S 4 B T.
- A cedar 6 ins. diam. brs. S. 67-3/4° E. 42 lks dist,
marked T 18 N R 11 E S 9 B T.
- A pinon 4 ins. diam. brs. S. 76-1/2° W. 16 lks dist,
marked T 18 N R 11 E S 8 B T. .
- A cedar 4 ins. diam brs. N 44-3/4° W. 27 lks. dist.,
marked T 18 N R 11 E S 5 B T.
- Land, level.
- Soil, rocky and sandy; 3rd and 4th rate.
- Timber, cedar.
- Heavily timbered land 58.50 chs.

April 17th. At this cor. I set off $10^{\circ} 27'$ N. on the decl. arc. and at 12h 4m l.m.t. observe the sun on the meridian; the resulting lat. is $34^{\circ} 58' 55''$ N.

BOOK 1818

BOOK 1818

East on a random line bet. secs. 4 & 9

40.00 Set a temporary $\frac{1}{4}$ Sec. Cor.

80.06 Intersect N & S. line 10.lks. N. of cor. of secs. 3, 4, 9 & 10.

Thence N. $89^{\circ} 56'$ W. on a true line bet. secs. 4 & 9
Over level and, through cedar timber.

40.03 Set a malpais 18 X 10 X 4 ins. 12 ins in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face. from which
A cedar 10 ins. diam. brs. S. 26° W. 53 lks dist, marked $\frac{1}{4}$ S 9 B T.

A cedar 5 ins. diam. brs. N. $1-3/4^{\circ}$ E. $89-1/2$ lks dist, marked $\frac{1}{4}$ S. 4 B T.

72.60 Wash 20 lks wide, course N.E.

80.06 The cor. of secs. 4, 5, 8 & 9

Land, level.

Soil, rocky, 4th rate.

Timber cedar.

Heavily timbered 80.06 chs.

N. $0^{\circ} 2'$ W. on a random line. bet. secs. 4 & 5

40.00 Set a temporary $\frac{1}{4}$ Sec. Cor.

80.66 Intersect N. bdy. of Tp. 40 lks W. of cor. of secs. 4, 5, 32 & 33

Thence I run

S. $0^{\circ} 15'$ W. on a true line, bet. secs. 4 & 5

Over level land, through cedar timber.

Descending.

21.00 Foot of descent

40.66 Set a malpais 18 X 8 X 6 ins. 12 ins in the ground, for $\frac{1}{4}$ Sec. Cor. mark $\frac{1}{4}$ on W. face. from which

A cedar 4 ins diam. brs. S. $82\frac{1}{2}^{\circ}$ W. 21 lks dist., marked $\frac{1}{4}$ S. 5 B T.

A cedar 4 ins. diam brs S $32-3/4^\circ$ E. 22 lks dist,
marked $\frac{1}{4}$ S 4 B T.

43.80 Gulch 15 lks wide, course E.

80.66 The cor. of secs. 4, 5, 8 & 9
Land, level & mountainous.
Soil, rocky; 4th rate.
Timber, cedar.
Mountainous and heavily timbered land, 80.66 chs.
April 17th, 1905.

April 18th. at 8 h. 25m A.M. l.m.t. I set off 32°
~~31~~^{54^m} on the lat. arc, and $10^\circ 46'$ N. on the decl arc,
and determine a meridian with the Solar at the cor
of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp.
Thence I run,
N. $0^\circ 3'$ W. bet secs. 31 & 32
Over level land, through dense cedar timber.

3.00 Descend .

7.60 Foot of descent, and wash 20 lks. wide, course S.E.
Ascend.

12.00 Top of ascent.

40.00 Set a malpais stone 18 X 12 X 8 ins. 12 ins in the
ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face. from
which
A cedar 8 ins. diam. brs' S. $87\frac{1}{2}^\circ$ E. 303 lks dist.,
marked, $\frac{1}{4}$ S 32 B T.
A cedar 6 ins. diam brs S $48\frac{1}{2}^\circ$ W. 56 lks dist.,
marked $\frac{1}{4}$ S 31 B T.

80.00 Set a malpais stone 18 X 8 X 6 ins. 12 ins in the
ground, for cor. of secs. 29, 30, 31 & 32, marked
with 1 notch on the S. and 5 notches on the E. edges
From which,
A cedar 10 ins. diam brs. N. $27-3/4^\circ$ E. 515 lks. dist.
marked T 18 N R 11E S 29 B T.
A cedar 4 ins. diam brs. S. $62-3/4^\circ$ E. 120 lks dist,
marked T 18 N R 11E S 32 B T.

A cedar 4 ins. diam brs. S. $63-1/2^\circ$ W. 147 lks dist,
marked T 18 N R 11 E S 31 B T.

A cedar 10 ins. diam brs N. $34-3/4^\circ$ W. 213 lks. dist.,
marked T 18 N R 11 E S 30 B T.

Land, level and mountainous.

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous and heavily timbered land 80 chs.

Thence East on a random line bet. secs. 29 & 32

40.00 Set a temporary $\frac{1}{4}$ Sec. Cor.

79.96 Intersect N & S. line 5 lks N. of cor. of secs.
28, 29, 32 & 33.

Thence N. $89^\circ 58'$ W. on a true line bet secs. 29 & 32
Over rolling land, through cedar timber.

39.98 Set a malpais 18 X 12 X 12 ins. 12 ins in the ground.
for $\frac{1}{4}$ Sec. Cor; marked $\frac{1}{4}$ on N. face, from which
A cedar 8 ins. diam. brs. N. 49° E. 14 lks. dist.,
marked $\frac{1}{4}$ S. 29 B T.

A cedar 10 ins. diam brs. S. 53° W. 18 lks dist.,
marked, $\frac{1}{4}$ S 32 B T.

Ascend.

79.96 The Cor. of secs. 29, 30, 31 & 32

Land, level and mountainous.

Soil, rocky; 4th rate.

Timber, cedar.

Heavily timbered land 79.96 chs.

April 18th. At this cor. I set off $10^\circ 48'$ N. on the
decl. arc, and at 12h 5m l.m.t. observe the sun on
the meridian; the resulting lat. is ~~$34^\circ 51'$~~ $34^\circ 55.7'$

West on a random line bet secs. 30 & 31

40.00 Set a temporary $\frac{1}{4}$ Sec. Cor.

80.78 Intersect W. bdy. of Tp. 30 lks. S. of Cor. of secs.
25, 30, 31 & 36.

Chains.	DESCRIPTION	BOOK	PAGE
	Thence S. 89° 47' E. on a true line, bet. secs. 30 & 31.	BOOK 1818	
	Ascending through cedar timber.	BOOK 1818	
10.50	Top of ascent, brs. NE & S.W.		
40.78	Set a malpais 18 X 12 X 8 ins. 12 ins in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face. from which A cedar 7 ins. diam. brs. N. 19° W. 254 lks. dist., marked $\frac{1}{4}$ S. 30 B T. A cedar 5 ins. diam. brs. S. 10° E. 197 lks. dist., marked $\frac{1}{4}$ S 31 B T.		
80.78	-The cor. of secs. 29, 30, 31 & 32 Land, level and mountainous. Soil, rocky; 4th rate. Timber, cedar. Mountainous and heavily timbered land 80.78 chs. April 18th.		
	April 19th. at 9h 32' A. M. 1.m.t. I set off ³⁹⁻⁵⁵⁻⁷ 34-51' on the lat. arc. 11° 7' on the decl. arc. and determine a meridian with the Solar at the cor. of secs. 29, 30, 31 and 32. N. 0° 3' W. bet. secs. 29 and 30 Over level land, through cedar timber.		
27.00	Leave dense timber, brs. E. & W.		
40.00	Set a malpais 18 X 10 X 8 ins. 12 ins. in the ground. for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, from which A cedar 6 ins. diam. brs. S. 14-3/4° E. 165 lks dist., marked $\frac{1}{4}$ S 29 B T. No other tree available; and raise a mound of stone 2 ft base 1-1/2 ft high W. of cor.		
51.00	Enter dense timber, brs. E. & W.		
57.00	Descend. brs. N.E. & S.W.		
66.60	Wash 20 lks wide, course E. Ascend.		
80.00	Set a malpais stone 18 X 10 X 6 ins. 12 ins in the ground for cor. of secs. 19, 20, 29 & 30, marked with		

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2 notches on S. and 5 notches on E. edges. from which

A cedar 8 ins. diam brs N. 66° E. 11 lks. dist., BOOK 1813

marked T. 18 N R 11 E S 20 B T.

A cedar 6 ins. diam. brs. S. 27-1/2° E. 22 lks. dist.

marked T. 18 N R 11 E S 29 B T.

A pinon 8 ins. diam. brs. S. 64 1/4° W. 31 lks dist.,

marked T 18 N R 11 E S 30 B T.

A cedar 5 ins. diam. brs. N. 51° W. 30 lks. dist.,

marked T 18 N R 11 E S 19 B T.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous and heavily timbered land 80 chs.

S. 89° 58' E. on a random line. bet. secs. 20 & 29

40.00' Set a temporary 1/4 Sec. Cor.

79.94 Intersect N. & S. line at Cor. of secs. 20, 21, 28 & 29

Thence I run,

N. 89° 58' W. bet. secs. on a true line bet. secs. 20 and 29

Ascending, through cedar timber.

39.97 Set a malpais stone 18 X 12 X 8 ins, 12 ins in the ground for 1/4 Sec. Cor. marked 1/4 on N. face, from which

A cedar 12 ins. diam brs. S. 45° E. 8 lks dist., marked 1/4 S 29 B T.

A pinon 8 ins. diam. brs. N. 5° W. 51 lks. dist., marked 1/4 S. 20 B T.

79.94 The cor. of secs. 19, 20, 29 & 30

Land, mountainous.

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous and heavily timbered land 79.94 chs.

April 19th. At this cor. I set off 11° 9' N. on the decl. arc. and at 12h 5m l.m.t., observe the sun on the meridian; the resulting lat. is ~~34-52'~~ 34-56-7

- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor. BOOK 1813
- 80.74 Intersect W. bdy. of Tp. at Cor. of secs. 19, 24, 25 & 30.
- Thence I run,
- S. $89^{\circ} 47'$ E. on a true line bet secs. 19 & 30.
- Over mountainous land, through cedar timber, descending.
- 40.74 Set a malpais stone 18 X 10 X 4 ins. 12 ins in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face.
- From which,
- A cedar 6 ins. diam brs. N. 81° E. 298 lks dist., marked $\frac{1}{4}$ S 19 B T.
- A cedar 8 ins. diam. brs. S. $79\frac{1}{2}^{\circ}$ E. 317 lks. dist., marked $\frac{1}{4}$ S 30 B T.
- 80.74 The cor. of secs. 19, 20, 29 & 30.
- Land, mountainous.
- Soil, rocky; 4th rate.
- Timber, cedar.
- Mountainous and heavily timbered land 80.74 chs.
- April 19th.

April 20th. At 9h 35m A. M. 1.m.t. I set off ³⁹⁻⁵⁶ ~~34-52~~ on the lat. arc, and ²⁸ ~~27~~ 11° N. on the decl arc. and determine a meridian with the Solar at the cor. of secs. 19, 20, 29 & 30.

Thence I run,

N. $0^{\circ} 3'$ W. bet secs. 19 & 20.

Over mountainous ^{land} ~~land~~, through cedar timber.

Ascending.

14.70 Top of ascent brs N.E. & S.W.

Thence over rolling land.

40.00 Set a malpais stone 18 X 8 X 6 ins. 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face. from which

A cedar 6 ins. diam. brs. S. $61-3/4^{\circ}$ E. 40 lks dist. marked $\frac{1}{4}$ S 20 B T.

		A cedar 20 ins. diam. brs N. $81\frac{1}{2}^{\circ}$ W. 76 lks dist., marked $\frac{1}{4}$ S 19 B T.	BOOK 1813
48.50		Descend steep slope, brs. N.E. & S.W.	
80.00		Cor. falls on malpais rock 20 X 20 X 18 ins. above ground. I mark a (X) on top for the exact cor. point, and 3 grooves on S. and 5 grooves on E. sides. for cor. of secs. 17, 18, 19 & 20, from which, A cedar 5 ins. diam. brs. N. $78\frac{1}{4}^{\circ}$ E. 23 lks dist. marked T 18 N R 11 E S 17 B T. A cedar 15 ins. diam. brs S. $49\frac{1}{4}^{\circ}$ E. 67 lks dist., marked T 18 N R 11 E S 20 B T. A cedar 8 ins. diam. brs S. 35° W. 53 lks dist., marked T 18 N R 11 E S 19 B T. A pinon 4 ins diam. brs N. $71\frac{3}{4}^{\circ}$ W. 20 lks dist., marked T 18 N R 11 E S 18 B T. Land, mountainous and rolling. Soil, rocky; 4th rate. Timber, cedar. Heavily timbered land, 80 chs.	
		<hr/>	
		S. $89^{\circ} 58'$ E. on a random line bet. secs. 17 & 20.	
40.00		Set a temporary $\frac{1}{4}$ Sec. Cor.	
79.90		Intersect N. & S. line 5 lks S. of cor. of secs. 16, 17, 20 & 21 Thence I run, West on a true line bet secs. 17 & 20 over level land.	
.60		Wash 10 lks wide, course N.E.	
39.95		Set a malpais stone 18 X 6 X 5 ins. 12 ins in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face. From which A cedar 10 ins. diam. brs. S. 50° W. 278 lks dist., marked $\frac{1}{4}$ S 20 B T. A cedar 6 ins. diam, brs N. $82\frac{3}{4}^{\circ}$ W. 280 lks dist. marked $\frac{1}{4}$ S 17 B T.	
42.00		Ascend.	
79.90		The cor. of secs. 17, 18, 19 & 20.	

Land, level and mountainous.

BOOK 1813

Soil, sandy & rocky; 4th rate.

Timber, cedar.

Mountainous and heavily timbered land 79.90 chs.

April 20th. At this cor. I set off $11^{\circ} 30'$ N. on the decl. arc, and at 12h 2m l.m.t. observe the sun on the meridian; the resulting lat. is $34^{\circ} 56' m$

N. $89^{\circ} 47'$ W. on a true line bet. secs. 18 & 19

Over mountainous land, through cedar timber, ascending

11.20 Ridge, brs. N.E. & S.W.

33.80 Wash 10 lks wide, course N.E. Ascend.

40.00 Set a malpais stone 18 X 8 X 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, from which A cedar 10 ins. diam. brs S. $35-1/2^{\circ}$ E. 23 lks dist., marked $\frac{1}{4}$ S 19 B T.

A Pinon 8 ins. diam. brs N. $5\frac{1}{2}^{\circ}$ W. 38 lks. dist., marked $\frac{1}{4}$ S 18 B T.

67.00 Top of ascent, brs N & S.

85.14 Intersect W. bdy. of Tp. at a point S. $2^{\circ} 50'$ E. 63 lks S. of cor. of secs. 13 & 24. Set a malpais stone 18 X 10 X 8 ins. 12 ins. in the ground for closing cor. of secs. 18 & 19, marked C C on ~~W~~^E with three grooves on N. & S. faces.

And raise a mound of stone 2 ft. base, 1-1/2 ft. high E. of cor.

Land, level and mountainous.

Soil, rocky; 4th rate.

Timber, cedar.

Heavily timbered land 85.14 chs.

April 20th.

April 21st. at 9h 40m A. M. 1.m.t. I set off ~~34-56~~ on the lat. arc, and $11^{\circ} 48' N$ on the decl. arc. and determine a meridian with the Solar at the cor of Secs. 17, 18, 19 & 20.

Thence I run,

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

Over mountainous land, through cedar timber.

15.00 Descend. brs. N.W. & S. E.

24.20 Wash 10 lks wide, course N.E.

33.50 Ascend, N.E. & S.W.

40.00 Set a malpais stone 18 X 8 X 4 ins, 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face.

From which

A cedar 8 ins. diam. brs. N. $85^{\circ} W$. 22 lks dist., marked $\frac{1}{4}$ S 18 B T.

A cedar 4ins. diam. brs. S. $54-3/4^{\circ} E$. 21 lks. dist, marked $\frac{1}{4}$ S 17 B T.

46.50 Top of ascent, brs N.E. & S.W.

Descend.

72.50 Wash, 20 lks wide, course N.W.

Ascend.

76.00 Top, brs. N.W. & S.E.

80.00 Set a malpais stone 18 X 10 X 4 ins, 12 ins in the ground for cor. of secs. 7, 8, 17 & 18, marked with 4 notches on the S. and 5 notches on the E edges.

From which

A pinon 4 ins. diam. brs. N. $25^{\circ} E$. 18 lks. dist., marked T. 18 N R. 11 E S 8 B T.

A pinon 4 ins. diam. brs. S. $12^{\circ} E$. 25 lks dist., marked T 18 N R 11 E S 17 B T.

A cedar 6 ins. diam. brs S. $36\frac{1}{2}^{\circ} W$. 17 lks dist., marked T 18 N R 11 E S 18 B T.

A pinon 4 ins. diam. brs. N. $53-1/2^{\circ} W$. 42 lks. dist, marked T 18 N R 11 E S 7 B T.

Land, level and mountainous.

Soil, rocky,

Timber, cedar.

Mountainous and heavily timbered land 80.00 chs.

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

40.00 Set a temporary $\frac{1}{4}$ Sec. Cor.

79.94 Intersect N. & S. line 12 lks. N. of cor. of secs.
8, 9, 16 & 17.

Thence I run

N. $89^{\circ} 55'$ W. on a true line bet secs. 8 & 17.

Over mountainous land through cedar timber.

39.97 Set a malpais stone 18 X 12 X 5 ins. set 12 ins in the
ground for $\frac{1}{4}$ sec. cor. mark $\frac{1}{4}$ on N. face. from which
A cedar 6 ins. diam brs. S. 60° W. 6 lks. dist.,
marked $\frac{1}{4}$ S. B T.

A pinon 4 ins. diam brs N. $74-1/2^{\circ}$ W. 5 lks dist.,
marked $\frac{1}{4}$ S B T.

Ascend.

44.00 Top, brs. N.E. & S.W.

70.00 Descend, brs. N.E. & S.W.

79.94 The cor. of sec. 7, 8, 17 & 18

Land, level and mountainous.

Soil, rocky and sandy; 3rd and 4th rate.

Timber, cedar.

Heavily timbered land, 79.94 chs.

April 21st. At this cor. I set off $11^{\circ} 49'$ N on the
decl. arc and at 12h 2m l.m.t. observe the sun on
the meridian; the resulting lat is ~~$34^{\circ} 58'$~~ ^{$34^{\circ} 58' 7''$}

N. $89^{\circ} 47'$ W. on a true line bet secs 7 and 18

Over level and mountainous land through cedar timber

13.20 Wash 10 lks wide, course N.

24.00 Ascend.

40.00 Set a malpais stone 18 X 10 X 8 ins 12 ins in the g
ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, from
which

A cedar 4 ins. diam brs. N. 41° W. 10 lks. dist,

marked $\frac{1}{4}$ S 7 B T.

A cedar 12 ins. diam. brs. ~~79° W.~~ ^{57¹/₄ W} 10 lks dist.,

marked $\frac{1}{4}$ S 18 B T.

88.14 Intersect W. bdy. of Tp. 103 lks. S. of cor. of
secs. 12 & 13. Set a malpais stone 18 X 8 X 8 ins. 12
ins. in the ground for closing cor. of secs. 7 & 18
marked C C on the ^{E.} with 4 grooves on the S. and
2 grooves on N. faces, from which
A cedar 46ins. diam. brs. N. 55¹/₂° E. 15 lks. dist.
marked T 18 N R 11 E S 7 B T.
A cedar 22ins. diam. brs. S. 47° E. 18 lks. dist.,
marked T. 18 N R 11 E S 18 B T.

Land, level and mountainous.

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous and heavily timbered land 88.14 chs.

April. 21st, 1905.

April 22nd. At 9h 30 m A. M. 1.m.t. I set off ³⁴⁻⁵⁷ ~~34-54~~ ⁷⁷
on the lat. arc, and 12° 8' N on the decl arc. and
determine a meridian with the solar at the cor. of
secs. 7, 8, 17 & 18.

Thence I run,

N. 0° 3' W. bet. secs. 7 & 8

Over mountainsous land through cedar timber,

Descending.

31.00 Foot of descent.

31.30 Wash 10 lks wide, course N.E.

40.00 Set a limestone 18 X 10 X 5 ins. 12 ins in the ground
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face. from which
A pinon 4 ins. diam. brs N. 60° E. 14 lks dist.,
marked $\frac{1}{4}$ S 8 B T.

A cedar 10 ins. diam brs. N. 28° W. 54lks. dist.,
marked $\frac{1}{4}$ S 7 B T.

80.00 Set a malpais stone 18 X 10 X 4 ins. 12 ins. in the
ground for cor. of secs. 5, 6, 7 & 8, marked with
5 notches on S. and E. edges. from which

A cedar 4 ins. diam. brs. N. 55° E. 5 lks. dist.,
marked T. 18 N R 11 E. S 5 B T.

A cedar 4 ins. diam. brs S. 62° E. 29 lks dist.,
marked T 18 N R 11 E S 8 B T.

A cedar 4 ins. diam. brs S. 35° W. 13 lks. dist.
marked T 18 N R 11 E S 7 B T.

A cedar 4 ins. diam. brs N. 21½° W. 18 lks. dist.,
marked T 18 N R 11 E S 6 B T.

Land, level and mountainous.

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous and heavily timbered land, 80.00 chs.

40.00 S. 89° 55' E. on a random line bet. secs. 5 & 8
Set temporary ¼ Sec. Cor.

79.96 Intersect N. & S. line 5 lks. S. of cor. of secs.
4, 5, 8 & 9

Thence I run,

N. 89° 57' W. on a true line

Over level land, through cedar timber.

39.98 Set a limestone 18 X 8 X 5 ins. 12 ins. in the ground
for ¼ Sec. Cor. marked ¼ on N. face, from which
A cedar 5 ins. diam. brs. N. 74-¾° E. 28 lks dist.
marked ¼ S 5 B T.

A pinon 5 ins. diam. brs. S. 58° E. 31 lks. dist.,
marked ¼ S 8 B T.

79.96 The cor. of secs. 5, 6, 7 & 8.

Land, level.

Soil, rocky; 4th rate.

Timber, cedar.

Heavily timbered land 79.96 chs.

April 23rd. At this cor. I set off 12° 10' N. on
the decl. arc, and at 12h 5m l.m.t. observe the sun
on the meridian; the resulting lat. is 34° 59' 7"

- N. $89^{\circ} 47'$ W. on a random line bet. secs. 6 & 7
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 90.38 Intersect W. bdy. of Tp. at cor. of secs. 1, 6, 7 & 12
- Thence I run,
- On a true line S. $89^{\circ} 47'$ E. bet. secs. 6 & 7
- Over gently rolling land, through cedar timber.
- 50.38 Set a limestone 18 X 8 X 4 ins. 12 ins in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on ^NW. face, from which
- A cedar 4 ins. diam. brs. ~~X~~^N. $23-3/4^{\circ}$ E. 51 lks. dist. marked $\frac{1}{4}$ S 6 B T.
- A cedar 4 ins. diam. brs. S. 52° W. 15 lks. dist., marked $\frac{1}{4}$ S 7 B T.
- 90.38 The cor. for secs. 5, 6, 7 & 8
- Land, level and mountainous.
- Soil, rocky; 4th rate.
- Timber, cedar.
- Heavily timbered land 90,38 chs.

April, 22, 1905.

April 24th. at 2h 30 m l.m.t. I set off ^{34°-58' N}~~34°-55'~~ on the lat arc. and $12^{\circ} 52'$ N. on the decl. arc. , and determine a meridian with the solar at the cor of. secs.

5, 6, 7 & 8

Thence I run,

N. $0^{\circ} 3'$ W. bet secs. 5 & 6 on a random line.

40.00 Set a temporary $\frac{1}{4}$ Sec. Cor.

80.90 Intersect N. bdy. of Township 35 lks. W. of cor. of secs' 5, 6, 31 & 32.

Thence I run,

S. $0^{\circ} \overset{12}{\del} W.$ on a true line bet. secs. 5 & 6.

BOOK 1813⁶⁷

40.90 Descending through cedar timber.
 Set a malpais stone 18 X 12 X 10 ins. 12 ins in the ground for $\frac{1}{2}$ Sec. Cor. marked $\frac{1}{2}$ on W. face.
 From which
 A pinon 6 ins. diam. brs. S. $82\frac{1}{2}^{\circ}$ W. 31 lks. dist., marked $\frac{1}{2}$ S 6 B T.
 A cedar 4 ins. diam. brs. N. $41-1/2^{\circ}$ E. 27 lks dist., marked $\frac{1}{2}$ S 5 B T.

80.90 The cor. of secs. 5, 6, 7 & 8.
 Land, mountainous and level.
 Soil, rocky; 4th rate.
 Timber, cedar.
 Heavily timbered land, 80.90 chs.

Apr. 24th.

GENERAL DESCRIPTION.

This township is situated on Mogollon Mesa about six miles West of the Canon Diablo and about 12 miles in a southerly direction from Canon Diablo Station on the Santa Fe Pacific Railroad. The land within this township is of no value for agricultutral purposes as the soil is too rocky. The only value of the land within this township is its abundance of cedar timber. There is no running water in this township except during the rainy season it will accumulate and form small pools or lakes in the low places or in canons. There are no settlers within this township.

Edgar C. Dietrich
 U. S. Deputy Surveyor.

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BOOK 1813

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Edgar C. Dietrich, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for the Territory of Arizona, bearing date of the 15th day of September, 1904, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Subdivisions of T 18 N R 11 E

of the Gila & Salt River base 9 meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed 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 United States 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.

Edgar C. Dietrich
United States Deputy Surveyor.

Subscribed by said Edgar C. Dietrich, and sworn to before me }
this 9th day of August, 1905

Clinton D. Hoover,
Clerk, District Court, First
Judicial District of Arizona.
By William D. Johnson,
Deputy



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, A.T. Aug 11th, 1905.

The foregoing field notes of the survey of the Subdivisions of T 18 N, R 11 E, of the Gila and Salt River Base and Meridian in the territory of Arizona

executed by Edgar C. Dietrich, U. S. deputy surveyor under his contract No. 123, dated September 15th, 1904, 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
United States 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.

United States Surveyor General.