

I

BOOK 1113

subdivisions

→ of →

TP. 31 N R. 2 W

SEGOR.

1113

4-671

BOOK 1113

FIELD NOTES
GENERAL LAND OFFICE.

No. 1113

No. 1113 BOOK 1113

Field Notes
of the Survey of the
Subdivision Lines
of
Township No. 31. N. R. 2. W.
of the
Gila and Salt River Base and Meridian
in the
Territory of Arizona
as surveyed by
N. Oscar Secor.

U. S. Deputy Surveyor
Under his Contract No.
Dated

Survey Commenced Dec 1-1900

Survey Completed Dec 17-1900

Names and Duties of Assistants

A. G. Johnson - - - - Chairman
 G. J. Salmon - - - - Chairman
 E. B. Murray - - - - Ax. man
 T. A. Gauder - - - - Ax man

Township 31. N. Range 2. W.
 BOOK 1113
 BOOK 1114 County, _____

		NORTH							
		6	5	4	3	2	1		
		76	75	61	46	31	16		
		7	8	9	10	11	12		
		73	71	59	43	29	13		
		18	17	16	15	14	13		
		70	67	56	41	27	11		
WEST		19	20	21	22	23	24		
		64	53	57	39	23	9		
		30	29	28	27	26	25		
		31	32	33	34	35	36		
		SOUTH							
		EAST							

Tp 31. N. R. 2. W.

Dec 1: at 8th A.M. C. m + I set off 21st and
 S on the decl. arc: $36^{\circ} 0'$ on the lat arc: and
 determine a true meridian with the solar
 at the cor to secs 12, 35 and 36, on the S bdy
 Thence I run.

N. $0^{\circ} 01' W$. bet secs 35 and 36

Over mountainous land through
 dense undergrowth and scattering
 Cedars. along slope of cañon
 Descending

9.00 Bottom of Cañon from E to SW
 Ascend

14.25 Top of bluff. from E + W at 36th
 it turns S. Continue to ascend

28.00 Top of steep ascent.

40.00 Set a lime stone $18 \times 10 \times 6$ in in
 a 7th of stone for $\frac{1}{4}$ sec Cor marked

How W. face.
 Pit is impracticable. No trees near
 65.00 descend.

80.00 Set a lime stone $20 \times 12 \times 10$ in

in a mid of stone for Cor to seis
 25, 26, 35 and 36 marked with
 1 notch on S and 1 notch on E edges
 Pits impracticable - No trees near
 Mountainous land 80 ch
 Dense undergrowth 80 ch
 Cedars and Junos scattering
 April 4th rate

N 89° 47' E on a random line
 bet Seis 25 and 36

40.00 Set trap 1/4 sec cor

80.12 Intersect E. body of T₁₂ lvs N of cor
 to seis 25, 30, 31 and 36, then I run
 S. 89° 52' W on a true line bet seis 25 & 36

40.06 Set a line stone 20 x 10 x 6 in in a mid
 of stone for 1/4 sec Cor marked 1/4 on
 N face Pits impract

77.85 Enter of draw. Course N.W.

80.12 The cor to seis 25, 26, 35 and 36

Mountainous land 80.12 chs
 Dense Undergrowth 80.12 chs
 Cedars and various scattering
 soil at the rate

N. 0.01 N. bed secs 25 and 26
 Over Mountainous land. through
 dense brush and scattering timber
 descending

4.00 Start. Course N.W. Ascend

25.00 Top of high ascend

26.00 Descend

40.00 Find a lime stone 16x10x6 in in a

Mid of stone for $\frac{1}{4}$ sec Cor marked

$\frac{1}{4}$ on W. face. Pit impract
 no face in length
 Descend abruptly to cañon

55.00

61.90

Bottom of Cañon Course N. 75° W
 Ascend

- 63.50 Top of point. descend
- 65.00 Bottom of Cañon Course. W. ascend
- 70.50 Top of ridge bet Cañons. cross E and W
Descend steep slope of Cañon
diagonally.
- 80.00 Set a line stone 18 x 12 x 8 ins in a row
of stone for ex to sec 23, 24, 25 and 26
Marked with 2 notches on S and
1 notch on E. edges from which.
A pin 12 in diam bears S 32° 30' W 56 lbs dia
Marked T. 31. N. R. 2 W. S. 26. T. 31
- A pin 12 in diam bears S 9° 10' E 56 lbs dia
Marked T. 31. N. R. 2 W. S. 25. T. 31
- A pin 12 in diam bears N. 65° 25' W. 69 lbs dia
Marked T. 31. N. R. 2 W. S. 23. T. 31
- A pin 12 in diam bears N. 15° 41' E 62 lbs dia
Marked T. 31. N. R. 2 W. S. 24. T. 31
- Mountainous land 80 chs
Dense undergrowth 80 chs
Cedars and pines scattering. Soil 4th rate

- N. $89^{\circ}52'$ E on a random line bet sec 24+25
 40.00 Set stump $\frac{1}{4}$ sec. Cor.
 80.06 Intersect the E. edge of Tp. 3 hrs N of Cor
 to sec to 19.2d. 26 and 30. Hence I run
 S $89^{\circ}53'$ W. on a true line bet sec 24+25
 6.00 Begin to descend
 25.00 Edge of bluff. bears S.W. and N.E descend
 abruptly.
 27.30 Bottom of Cañon Course S.W. ascend
 32.00 Top of point. descend
 38.75 Bottom of Cañon. Course $\frac{1}{4}$ N.W. ascend
 39.20 Top of bluff. bears N.W. and S.E
 40.02 Set a lime stone $18 \times 10 \times 8$ in in a 1nd
 of stone for $\frac{1}{4}$ sec Cor marked $\frac{1}{4}$ sec N of
 into equipment to find in limits
 41.00 Top of slope of point. descend
 47.00 Edge of bluff bears N and S
 48.30 Bottom of Cañon Course S. ascend
 abruptly.
 51.40 Top of bluff bears N and S
 75.80 Edge of bluff. bears N and S

Descend abruptly.

80.05 The cor to Secs 23, 24, 25 and 26.

Mountainous land 80.05

Dense Undergrowth 80.05

Pines and Cedars scattering

Soil 4th rate

N 0.01' W. bet Secs 23 and 24

Along slope of cañon through dense
brush and scattering timber descending

6.00 Bottom of cañon 400 ft deep. Corner S. W.

at 4 chs turns S. Around steep bluff of cañon

14.30 Top of bluff. bears S & W. at 5 chs W turns

S. Continue to ascend.

40.00 Set a lime stone 20x10x8 in in a row

of stone for 1/4 sec Cor Marked 1/4 on W face
to approach
Descend. No trees in limits

51.15 Road bears N. W. and S. E

55.40 Gulch Course S.E. Ascend
 80.00 Set a lime stone $24 \times 16 \times 6$ in.
 a mid of stone for Cor to Seis 13
 14, 23 and 24. Marked with 3 notches
 on S and 1 notch on E edges
 from which
 A pin 12 in diam bears $N 57^{\circ} 20' W 23$ Yard dia
 Marked T. 3 | N R 2 | W. S | L. B | T
 A Cedar 6 in diam bears $S 83^{\circ} 51' W 9$ Yard dia
 Marked T. 3 | N. R. 2 | W. S. 2 | 3 | B. T
 Into impract no hole in
 Mountainside land 80 chs
 Dense wood growth 80 chs
 Pines and Cedars scattering
 Soil \perp the note DEC. 1 - 1900

Dec 2. at 8th 00 AM. Cor to I set off $21^{\circ} 53' S$ on the
 ditch arc; $36^{\circ} 03'$ on lat. arc; and determine a
 true meridian with the solar at the cor
 to Seis 13, 14, 23 and 24.

Thence I run

A $89^{\circ}53' E$ on a random line bet
seis 13 and 24

40.00 - Set trap $\frac{1}{4}$ sec cor

80.05 - Intersect E. body. T₁, 3 lks. N. of cor to
seis 13, 18, 19, and 24, thence I run
 $S 89^{\circ}54' W$ on a true line bet seis

13 and 24. Descending - over moun-
tainous land through dense nut growth.

H. 40 Bottom of gulch. Course S. Ascend

9.00 Top of bank of gulch. bears N. & S.

40.03 Set a line stone $18 \times 4 \times 4$ ins in mid of stone
for $\frac{1}{2}$ sec Cor. Marked $\frac{1}{4}$ on N face
From which

A Pison 12 in diam bears $N 19^{\circ}20' E$. 146 yards in

Marked $\frac{1}{4}$ S 13. T₁T
No other trees
Edg^s of Canon. bears N and S. Descend

63.00

64.60

66.70

80.05

Bottom of Canon Course S. Ascend

Top of bluff. bears N. and S.

The Cor to seis 13, 14, 23 and 24

Mountainous land 80.05. Soil $\frac{1}{4}$ rate

Since Undergrowth 80.05. Cedars and Pison settling

- N. 0. 01. W. bet Secs 13 and 14
 Over mountainous land through dense
 brush and scattering timber, ascending
- 34.00 Top of high ascent
- 36.00 Begin to descend
- 40.00 Set a lime stone $18 \times 10 \times 6$ in in a row
 of stone for $\frac{1}{2}$ sec Cor Mtad $\frac{1}{2}$ on W. face
 Pits in ~~contact~~ No trees
- 49.51 Moqui trail cross E and W.
- 74.50 Top of low bluff of chert bars E and W
 Descend
- 80.00 Set a lime stone $26 \times 12 \times 6$ in in a row
 of stone for Cor to sec 11, 12, 13 and 14
 Marked with 4 notches on S. and 1 notch
 on each edge, from which
 A $\frac{1}{2}$ in 8 in diam bar N $57^{\circ} 50'$ W 87 lbs dia
 Marked T 3, 1, N, R, 2, W, S, 11, T, T
- A $\frac{1}{2}$ in 10 in diam bar N $57^{\circ} 2'$ W 108 lbs dia
 Marked T 3, 1, N, R, 2, W, S, 12, T, T
- A $\frac{1}{2}$ in 10 in diam bar S $29^{\circ} 20'$ E 64 lbs dia
 Marked T, 3, 1, N, R, 2, W, S, 13, T, T

A Cedar 6 in diam less S 26° 25' N 60 W 1/4 Sec 14
 Marked T 31 N R 2 W S 14 T
 Mountainous land 80 ch
 Dense Undergrowth 80 ch
 Pinous and Cedars scattering
 Soil 4th rate

N 89° 54' E on a random line bet sees
 12 and 13

40.00 Set a stump 1/4 sec Cor

80.12 Intersect E bdy. of Tps. 5 lks. S. of cor
 to sees 7, 12, 13 and 18. Truss 9 in
 S 89° 52' N on a true line bet sees
 12 and 13, through dense undergrowth

40.06 Set a line stone 16 x 10 x 6 in in a mid
 of stone for 1/4 sec. Cor marked 1/4
 on N face into unpract.

80.12 The cor to sees. 11, 12, 13 and 14

Land rough and rocky

Soil 4th rate

Dense undergrowth 80.12 ch

Cedars and Pinus scattering.

Dec 2 - 1900

Dec 3rd - at 8th or Am. Lm to I set off
22° or S on dial arc; 35° 59' N on
Lat arc; and determine a true meridian
with the solar at ar to Secs 11, 12, 13
and 14. Thence I run:

No of W bet Secs 11 and 12

over mountainous land through
dense brush and scattering timber
Descending

- 5.00 Bottom of draw course S.W Ascend
12.90 Foot of rock bluff. 15 ft high bears E.W. N.
13.00 Top of bluff. Continue to ascend.
29.00 Cedars and Pinus become dense
40.00 Set a lime stone .18 x .14 x .6 in in a

Mid of stone for 1/2 sec Cor marked
 1/4 on N. face Pito impract.

80.00

Set a line stone 18x10x8 ins in a
 Mid of stone for Cor to see 1.2.11 am

12. Marked with 5 notches on S and
 1 notch on 2 edges from which

A fission bin diam bears N. 84° W. 68 lbs dia

Marked T. 31 N R 2 W S 2 T 3 T

A fission 4 ins diam bears N 68 45° E,

156 lbs dia Marked T 31 N R 2 W S 1 T 3 T

A fission 4 ins diam bears S 47° 30' E. 175 lbs dia

Marked T 31 N R 2 W S 1 2 T 3 T

Pito impracticable
 Mountainous land 80.00 lbs

Dense Undergrowth 80 or lbs

Dense Cedars and fissions 57 lbs

Soil 4 th rate

N. 89° 52' E on a random line but sees 1 and 12
Over rough rocky land, through dense
timber and brush.

40.00 Set temp. 'L sec cor

80.04 Intersect, E. bely. Tp, 5 lbs S of Cr to sees
1, 6, 7, and 12, Thence I run

S 89° 50' W. on a true line but sees 1 and 12

40.02 Set a line stone 24x12x10 ins, 15 ins in
ground for 1/4 sec cor marked 1/4 on N face
from which

A pin 6 in diam bears S 43° 25' W. 39 lbs dist
Marked 1/4 S. 12 B.T

A pin broad 6 in diam bears N 81° E 27 lbs dist
Marked 1/4 S. 1. B.T

80.04 Set to sees 1, 2, 11 and 12

Land rough and rocky
Ditch ^{the} ~~the~~ ^{the} ~~the~~

Dense Pines and Cedar 80.04 etc

Dense Huckleberry 80.04 etc

N. 0° 01' W. on a random line bet Secs 1 and 2
over mountainous land, through dense
timber and brush.

10.00 Set trap 1/4 sec cor

79.80 Intersect N. edge of Tp. 12 lbs. E. of cor to
Ties 1, 2, 3, 5 and 36, Thence I run, &

S. 0° 06' E. on a true line bet Secs 1 and 2

3.50 Edge of bluff. bears N. E and S W
Descend.

9.00 Bottom of Cañon Course S. W. Ascend

13.30 Top of bluff. bears N. E & S. W.

19.80 Edge of bluff. bears N 70° W and S 70° E
Descend

26.50 Bottom of Cañon Course N. 75° W.

39.80 Set a live stone 18 x 12 x 8 in in a bed of
stone for 1/4 sec cor. Marked 1/4 on W face
from which:

A Cedar 12 in diam bears S 60° 30' W. 130 lbs dist

Marked 1/4, S, 2, T. 5

A Cedar 6 in diam bears S 62° 30' E, 125 lbs dist

	Marked $\frac{1}{4}$ S. 1. B.T
44.80	Foot of bluff. Ascend
46.00	Top of bluff bears E and W.
54.80	Enter dense timber
79.80	Cor to sec 1, 2, 11 and 12
	Mountainous land 79.80 ch
	Dense cedars and pines 25 ch
	Dense undergrowth 79.80 ch
	Sail at <u>the</u> rate
	Dec 3. - 1900

Dec 4: at 8⁴⁵ AM. I set off 22° S on the
 dial arc; 36° or N on the let arc; and determine
 a true meridian with the solar at the cor to
 Secs 2, 3, 34 and 35 on S bdy.

Thence I run

N. 5° 01' W. bet Secs 34 and 35

Over mountainous land. through
dense brush and scattering timber.

Ascending abruptly. Cliffs of cañon

- 0.50 Top of bluff bears E and W. Continue to ascend
- 18.00 Top of ascent. begin to descend
- 40.00 Set a lime stone 16 x 14 x 4 ins in a row
of spine for 1/4 sec. cor. marked 1/4 on W face
into a prospect. No trees.
- 42.00 Edge of bluff. bears N. W. and S. E. Descend
- 48.25 Bottom of Cañon Course N. W. Ascend.
- 49.00 Top of point bet Cañons. Descend
- 50.25 Bottom of Cañon Course S. W. Ascend
- 53.60 Top of bluff bears E and W. Continue to ascend
- 60.00 Top of Ascent
- 75.30 Edge of Cañon. Descend abruptly
- 77.00 Bottom of Cañon Course S. W. Ascend
- 78.30 Top of bluff. N side of Cañon bears N. E. and S. W.
- 80.00 Set a lime stone 30 x 8 x 6 ins in
a row of stone. for cor to Secs 26
27, 34 and 35. Marked with 1 notch

on S. and 2 notches on E edge.
 Pits unimportant. No fossils
 Mountainous land 80 ch
 Dense Undergrowth 80 ch
 Pines and Cedars Scattered
 Soil at the rate

N. 89° 47' E on a random line but see's
 26 and 35.

40.00 Saw stump 1/2 sec C1

79.92 Intersect N and S line. 7 lbs S of Cor to
 Secs 25, 26, 35 and 36. Thence I run
 S 89° 50' W. on a true line but see's
 26 and 35. Ascending.

38.00 Top of high ascent, begin to descend

39.96 Saw a lime stone 16x12x4 in in the stone
 for 1/4 sec Cor. Marked 1/2 on N face.

Pits unimportant. No fossils

49.70 Trail bears N. W. and S. E. descend over
 very rough rocky ground.

- 72.30 Edge of bluff bears N.E. and S.W. Descend
 74.00 Bottom of Cañon Course S.W. Ascend
 77.60 Edge of bluff. bears N.E. and S.W.
 79.92 The cor to seis 26. 27. 34 and 35
 Mountainous land 79.92 chs
 Dense *Med. agrostoides* 79.92 chs
 Pinus and Cedars scattering
 Soil 4th rate

N. 0° 0' W bet Seis 26. and 27

Over Mountainous land, strongly dense
 brush and scattering timber. Ascending

- 26.00 Top of ascent, begin to descend
 35.00 Edge of bluff of Cañon bears N.W. & S.E.
 38.65 Bottom of Cañon Course from S.E. to N. 28° W
 Ascend steep slope of Cañon diagonally
 40.00 Set a line stone 24 x 6 x 6 in in a bed of stone
 for 1/2 sec cor marked 1/2 on W face

From which:

A Flint 8 in diam bears $S 60^{\circ} E$ 4 1/2 lbs disk

Marked $1/4 S. 26. BT$

A Flint 4 in diam bears $N 48.40^{\circ} W$ 37 lbs disk

Marked $1/4 S. 27. BT$

- 4700 Top of slope of Fried Creek Cañon
 48.29 Trail winding down Cañon
 54.00 Bottom of Cañon 400 ft deep Course $S. 75^{\circ} W$

Ascend abruptly steep bluff.

6300 Top of bluff of Point, bears N , and NE

75.00 Descend from Point

78.00 Edge of bluff bears NE and SW , descend

79.30 Bottom, Head of Cañon Course SW . Ascend

80.00 Set a line stone $20 \times 12 \times 6$ in in a $1/2$ in of stone
 for Cr to den 22. 23. 26 and 27 Marked with
 2 notches on S. and 2 notches on E. edges

From which:

A Flint 6 in diam bears $N 86.2^{\circ} W$ 44 lbs disk

Marked $T 51 N R 2 W. S 22. BT$

A Flint 14 in diam bears $S 18.35^{\circ} E$ 129 lbs disk

Marked T31NR2W.S26.T

A *Juniper* 14 in diam base S 31.45° W, 135 lbs dia.

Marked T31NR2W.S27.T

A *Juniper* 4 in diam base N 72.10° E 39 lbs dia.

Marked T31NR2WS23.T

Mountainous land 80 chs

Dense undergrowth 80 chs

Juniper and Cedars scattering

Soil 4th rate

Dec 4 - 1900

Dec 5th - 8th - 00 AM. I went to set off 22° 18' S on the decl arc; 36.02° N on the Lib arc, and determine a true meridian with the solar alt the cor to secs 22, 23, 26 and 27, thence I run: N. 89° 50' E. on a random line beth Secs 23 and 26. Over Mountainous land through dense brush and scattering timber

40.00 Sid temp 1/4 sec. Cor

- 79.92 Intersect N and S line, 7 chs S. of cr.
to Secs 23, 24, 25 and 26, fence down
on a true line. S. $89^{\circ}47'N$. bet Secs 23 and 26
- ~~Descending.~~
- 3.40 Bottom of Cañon 400 ft deep Course $S 10^{\circ}E$
at 5 chs turn SW. Ascend abruptly
- 7.70 Top of bluff. bears $N 10^{\circ}W$. $S 10^{\circ}E$
- 23.75 Edge of bluff. bears $N 10^{\circ}E$ and $S 10^{\circ}W$ descend abruptly
- 28.20 Bottom of Cañon Course $S 10^{\circ}W$ ascend abruptly
- 32.70 Top of bluff. bears $S 10^{\circ}W$ & $N 10^{\circ}E$
- 39.96 Set a line stone $24 \times 12 \times 6$ in in end of stone
for W sec Cr. Marked $1/4$ on N face.
- 45.00 ~~into~~ ~~impract~~ ~~no~~ ~~falls~~ ~~in~~ ~~limits~~
Begin to descend
- 60.00 Edge of bluff, bears N and S. descend abruptly
- 62.70 Bottom of Cañon, near its head. Course S. Ascend
- 69.70 Top of Ascend.
- 79.92 Cr to Secs 22, 23, 26 and 27
Mountainous land 79.92 chs
Dense Undergrowth 79.92 chs
Pines and Cedars scattered. Soil 4^{th} rate

N. 0.01 N, bet Secs 22 and 23. Over
mountainous land through dense brush
and scattering timber, ascending

- 4.40 Top of bluff bears S. East N.W.
14.00 Edge of bluff bears S.W. and N.E. descend
17.43 Bottom of Cañon course S.W. Ascend
18.30 Top of bluff. N side bears N.E. and S.W.
36.00 Edge of bluff bears East N. descend abruptly.
38.50 Bottom of Cañon, course N. Ascend
40.00 Set a lime stone 16x10x8 in in mid of
stone for 1/4 sec Cor, Marked 1/4 on N face
From which:

A specimen 12 in diam bears N 62° W 36 lbs dist
Marked 1/4 S. 22 BT

A specimen 12 in diam bears S 71° E 77 lbs dist
Marked 1/4 S 23 BT

Dec 5: at the cor I set off. 22 24' S on the decl arc.
and at noon observe the sun on the meridian.
The resulting lat. is 36° 02' 30" which is about
0.5' more than the proper lat.

- 40.50 Top of bluff. bears E and W Continue to ascend
- 42.00 Top of ascent.
- 45.00 Descend to gulch
- 50.70 Bottom of gulch Course W. Ascend
- 66.67 Road bears E and W
- 75.00 Top of high ascent
- 78.00 Begin to descend
- 80.00 Set a true stone 18x12x12 in 12 in in
 the ground for cor to sec's 14, 15, 22 and 23
 Marked with 3 matches on S and 2 on W
 on E edges. Dug pits 18x18x12 in in
 each sec 5 1/2 ft dia. mixed a 7th of
 earth 4 ft base 2 ft high W. of cor
 Mountainous land 80.00 elev
 Some Undergrowth 80.00 elev
 Pines and Cedars Scattered
 Soil 4 to 20 in

N. $89^{\circ}47'E$ on a random line bet sees
14 and 23, through dense undergrowth
and scattering timber

46.00 Set temp $1/4$ sec cor

79.95 Intersect ^{N. & S. line -} 3 lbs N. of C₁ to sees 13, 14
23 and 24, Thence I run

$58^{\circ}48'W$ on a true line bet sees
14 and 23

39.98 Set a line stone $18 \times 12 \times 8$ in. 12 in in
the ground for $1/4$ sec cor. Marked
 $1/4$ on N face along pits $18 \times 18 \times 12$ in
E and W. of stone 3 ft dia. raised
a mound of earth $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft
high N of cor

79.95 The Cor to sees 14, 15, 22 and 23

Land broken.

Dense Undergrowth 79.95 chs

Pines and Cedars Scattering

Sail $1/4$ the rate

N. o. of N. bet Secs 14 and 15

Over rolling ground through dense
undergrowth.

40.00 Set a line stone 18x12x6 in, 12 in
di the ground for $\frac{1}{2}$ sec cor. Marked
 $\frac{1}{2}$ on N. face, raised a $\frac{1}{2}$ of
stone 2 ft base and 3 ft high. N of cor.
Pits impracticable

55.05

Magie Trail bears E and W.

80.00

Set a line stone 18x12x6 in in a $\frac{1}{2}$ of
stone for cor to Secs 10, 11, 14 and 15
Marked with 4 notches on S and 2 notches
on E. Edges Pits impracticable ^{Max} when
found rolling. Soil 3rd rate
Dense Undergrowth 80 ch.

No trees.

Dec. 5-1900

Dec 6. 8⁴⁰ AM. I set of 22.25' S on the
dial an: 36.0' from the lat an; and determine
a true meridian with the solar, at cor to
Secs 10, 11, 14 and 15

Thence I run:

N. $89^{\circ}46' E$ on a random line bet sees
11 and 14. Over mountainous land
through dense brush and scattering timber

40.00 Set trap $\frac{1}{4}$ sec cor

80.02 Intersect N and S line at Cor to sees
11, 12, 13, and 14. Thence S run,

S $89^{\circ}48' W$ on a true line bet sees
11 and 14. Through dense under-
-growth and scattering Cedars and Junos

40.01 Set a lime stone $18 \times 10 \times 6$ ins in a Md
of stone for $\frac{1}{4}$ sec Cor. Marked $\frac{1}{4}$ on N face

80.02 Pipe mislaid. No new meas-
The Cor to sees 10, 11, 14 and 15.

Land broken

Dense Undergrowth 80.02

Scattering Cedars and Junos

Soil 3rd rate

40.00

N. 0.0: W. cut secs 10 and 11. Through
dense undergrowth and scattering timber
Set a lime stone $18 \times 12 \times 10$ ins, 12 ins in
the ground for $\frac{1}{4}$ sec Cor Marked $\frac{1}{4}$ on W face
From which:

A Cedar 4 in diam bears S84°W 40 lbs dia
Marked $\frac{1}{4}$ S 10 RT

A Fir 4 in diam bears S. 20. 10 E. 60 lbs dia
Marked $\frac{1}{4}$ S 11 RT.

80.00

Set a lime stone $20 \times 10 \times 8$ ins, 14 ins in ground
for Cor to secs 2, 3, 10 and 11 Marked
with 5 notches on S and 2 notches on E
edges. dug pits $18 \times 18 \times 12$ ins in each
Sec $5\frac{1}{2}$ ft dia. raised a $\frac{1}{2}$ in of earth
4 ft base 2 ft high. W of Cor
Found broken.

Sail 3rd rate

Dense Undergrowth 80 lbs
Scattering Cedars and Firs

No. 1113

N. 89° 45' E on a random line bet sec 2 and 11

40.00

Set temp 1/4 sec Cor

80.06

Intersect sand S line. 14 lbs N of Cor
to sec 1, 2, 11 and 12 Thence S runS 89° 54' W on a true line about
sec 2 and 11 over rolling ground
thru dense brush and scattering timber

1.00

Enter dense timber.

40.00

Set a line stone 18x14x6 in in a rd of
stone for 1/4 sec Cor marked 1/4 on N face
From which:A Piton 8 in diam bears N. 17° 30' E 9 lbs dist
Marked 1/4 S. 2. B.TA Piton 8 in diam bears S 35° 30' W 71 lbs dist
Marked 1/4 S. 11. B.T

50.00

Timber becomes scattering

80.06

The Cor to sec 2, 3, 10 and 11

Sand rolling, soil 3rd rate
Dense timber 49 lbs.

Dense Undergrowth 80.06

- N. 0.01' W on a random line but Secs 2 and 3
- 40.00 Top temp 1/4 Sec Cr
- 79.22 Intersect N. bdy. Tp. 16 lbs W. of Cr to sec
2. 3. 3 and 30. Thence 9 mi;
- 7.00 S 0.08' W on a true line, but Secs 2 and 3
through dense undergrowth & scattering timbers.
Bottom of Cañon. Course S. W. Ascend.
- 18.20 Top of point. descend
- 33.70 Bottom of Cañon Course N. W. Ascend
- 39.22 Top a line str 18x16x6 ins in a ind. of stone.
for 1/4 Sec Cr. Marked 1/4 on N. face.
Pits impract. No trees.
Ascending.
- 42.00 Top of bluff. bearing N. W. and S. E
- 79.22 The Cr to sec 2. 3. 10 and 11
Land broken. Soil at ^{the} rate
Dense Undergrowth 79.22
Pines and Cedars Scattering
- Dec 6 - 1900

Dec 7: at 8⁴⁵ AM. Cont. I set off on the
 decl arc: $36^{\circ}00'$ N on the lat arc, and determine
 a true meridian with the solar alt cor to seis
 34, 33, and 34, on the S. side. Thence I run:

1.90 N. $0^{\circ}02'$ West back seis, 33 and 34
 Over nets, sand - through dense undergrowth.
 Edge of Vertical bluff of Cañon, 1500 ft deep.
 To determine the dist across, I set
 a flag on line N. of the Cañon, then
 measure a base line, $589^{\circ}58'W$, 12 chs
 to a point from which the flag bears
 $N. 10^{\circ}06' E.$ Then for base \times Cot, $10^{\circ}06'$
 $or 12 \times 6.54511 = 67.14$ chs. which
 added to 1.90 chs makes.

69.04 Flag on line. Thence I run
 $S. 0^{\circ}02' E.$ back seis 33 and 34

2.30 Begin to descend.

5.50 Edge of rock bluff, 10 ft high bears $N. 6^{\circ}57' W$
 Descend.

5.75 Foot of bluff continues to descend.

9.30 Edge of bluff bears $N. 2^{\circ}$ and $S. 7^{\circ}$ chords.

Abruptly.

- 10.78 Bottom of Cañon Course S.W. descend abruptly
- 12.60 Top of bluff bears S.W. and N.E.
- 14.28 Set a lime stone $36 \times 14 \times 6$ in in a row of
stone for witness cor to 1/4 sec cor marked
No. 6. 14 on W face Pits in fract. No trees.
- 14.50 Edge of bluff of main side, Cañon,
1500 ft high bears N.W. and S.E.
Returning to the log at 69.0 chs. continue
N. 0. or W. set sec's 33 and 34.
- 70.00 Top of ridge bearing E and W. descend
- 70.90 Edge of bluff bearing E & W. descend abruptly
- 75.00 Foot of bluff.
- 80.00 Set a lime stone $18 \times 12 \times 6$ in in a row of stone
for cor to sec's 27, 28, 33 and 34. Marked
with one notch on S and 3 notches on E edges
Pits in fracture No trees
Thorn and other land 80 chs
Some undergrowth 80 chs
Sail 4 th rate.

Dec 7-1900.

Dec 8. 8^h - 50^m ^{am} L. m. t. set off 22.38' S on the decl

arc: 36.0' on the lat arc: and determine a true Meridian with the solar at the cor to seci

27. 28. 33. and 34. Thence I run:

N. 89° 47' E on a random line bet seci
27 and 34.

40.00 Set stump 1/4 sec cor

80.09 Intersect. N and S lines 3 lks S of Cor to
seci 26. 27. 34. and 35. Thence I run:

S 89° 46' W on a true line bet seci
27 and 34. Over mountainous land
through dense brush and scattering timber
Descending

10.00 Bottom of draw. Course 3, Ascend

40.04 Set a lime stone 20 x 12 x 4 in in a rd of
stone for 1/4 sec cor. Marked 1/2 on N. for
Auto-impact No fees

56.00 Top of high ascend, descend

66.00 Edge of rock bluff 25 ft high bears N.E. and S.W.
Descend

67.00 Foot of bluff. Continue to descend

80.09 Car to secs 27, 28, 33 and 34
 Mountainous land 80.09
 Dense Undergrowth 80.09
 Pines and Cedars scattering
 Soil of ^{the} ~~rate~~

589°47' N on a true line bet secs 28 and 33

Descending over mountainous land
 through dense brush

- 8.50 Edge of 7th bluff of Cañon ^{Dr. N. E. & S. W.} 1000 ft deep
- 23.00 Center of Cañon Course S.W. Ascend
- 31.95 Top of bluff. bears N.E. and S.W. Continue
 to ascend
- 33.00 Top of narrow tongue of land bearing N.E.
 and S.W. descend
- 37.00 Edge of bluff. Inside of tongue bears
 N.E. and S.W.

Set a lime stone 28 x 16 x 12 ins in a bed
 of stone 4 ft high. for witness cor to 1/4

Sec. Cor. Marked N.C. 1/4 on N. face,
~~Path impracticable. No trees near~~
 Mountainous land 40 chs

Dense undergrowth 40 chs

Sail 4th rate.

No. 02 N. bet secs 27 and 28

Over mountainous land through
 dense undergrowth, descending

3.30 Bottom of galeh. Course W. Ascend

12.00 Top of ridge. bears E and W. Descend.

13.40 Edge of rock bluff. 1000 ft. Ascend.

24.50 Cuts of Cañon Course. E. Ascend abruptly

35.75 Top of bluff N side of Cañon bearing E and W.

40.00 Saw a lime stone 30 x 12 x 6 in in a Mt. of

Stone for 1/4 sec. Cor. Marked 1/4 on N. face.

~~Path impracticable. No trees or limits~~
 56.60 Edge of bluff of Cañon bearing N.E. and S.W.

62.00 Bottom of Cañon Course S.W. Ascend

70.00 Top of bluff N. side Cañon bearing N.E. and S.W.

80.00 Saw a lime stone 20 x 12 x 4 in. in a Mt. of

Stone for Cor. to see 21. 22. 27 and 28

Marked with 2 notches on S and 3 notches
on E edges, *Peto impract*
No signs in summit
Mountainous land 80 chs

Dense Undergrowth 80 chs

Soil 4th rate

No timber

N. 89° 46' E on a random line bet see's
22 and 27. Over Mountainous land
through dense bush, and getting tired

10.00 Sub temp 1/4 see Cor

80.22 Intersect N and S line .7. lbs. S. of Cor.
to see's, 22, 23, 26 and 27. Thence I run

S 89° 43' W on a true line bet see's
Over mts. land - through dense undergrowth
22 and 27. Ascending.

12.30 Top of point bears N and S.

14.10 Bottom of gulch. Course S ascend

15.00 Top of bluff bears N and S. continue to
ascend

- 23.00 Top of point, descend, diagonally
- 33.00 Bottom of Canon from W. to S.E. proceed
up bottom of Canon,
- 35.00 Top of bluff, bearing N.W. and S.E.
- 36.50 Top of bluff.
- 38.00 Top of point, descend
- 39.20 Bottom of gulch Course N.E.
- 40.11 Sat a lime stone 20x10x6 ins in a bed
of stone for $\frac{1}{4}$ sec or marked $\frac{1}{100}$ of feet
into impract. No trees-
Ascend.
- 42.30 Top of bluff, bears S.W. and N.E. and
trail bearing N.W. and S.E.
- 68.00 Edge of bluff of Canon bearing N.E. and S.W.
descend.
- 69.65 Bottom of Canon Course S.W. Ascend
- 73.00 Top of bluff, bears N.E. and S.W.
- 80.22 The cr to see's 21, 22, 27 and 28
Macintainous land 80.22 chs
Dense Undergrowth 80.22 chs
Pine & Cedars scattering Soil of the state
L. Dec 8 - 1900

Dec 9: 8, th ⁱⁿ AM. L. m. t. I set off 22.44.5 on
the decl arc; 36.02 on lat arc: and determine
a true meridian with the solar. at the cr
to seis 21, 22, 27 and 28. Thence I run

N. 0° 0' 2" W. but seis 21 and 22
over broken land through dense
undergrowth. Ascending W. W. S. back-

40.00 Set a lime stone 18 x 12 x 6 in. 12 in in
the ground for 1/2 sec cr marked 11
on W. face clay pits 18 x 18 x 12 in
stand E of stone 3 ft dia, raised
a rnd of earth 3 1/2 ft base 1/2 ft high
W. of cr

40.60 Top of high ascent, Road here E & W.
Descend.

55.08 Trail bears N. W. and S. E.

80.00 Set a lime stone 28 x 12 x 6 in 15 in in
ground for cr to seis 1, 5, 6, 21 and 22
Marked with 3 notches on S and 3 notches
on 2 edges with 3 1/2 on N E and 2 W

on N.W. faces. Dug pits $18 \times 18 \times 12$
 ins. in each sec $5\frac{1}{2}$ ft dia,
 raised a Md of Earth \perp ft, base 2
 ft high. N. of Cor.
 Mountainous land 80 Chs.
 Dense Undergrowth 80 Chs.
 Soil \perp to rate.

N $89^{\circ} 43'$ E on a random line bet secs
 15 and 22, over broken land through
 dense undergrowth.

40.00 Set temp $\frac{1}{4}$ sec Cor

80.08 Intersect stand 3 line, 5-lks. N. of Cor
 to secs 14, 15, 22, and 23. Thence down
 S $89^{\circ} 45'$ W. on a true line bet secs 15
 and 22.

40.01 Set a live stone $20 \times 8 \times 8$ ins, 1.5 ins in
 ground for $\frac{1}{4}$ sec Cor marked $\frac{1}{4}$ on
 N face. Dug pits $18 \times 18 \times 12$ ins

East and west of stone 3 ft dia
and raised a md of earth $3\frac{1}{2}$ ft
base $1\frac{1}{2}$ ft high N of Cor.

80.08 The Cor to Secs 15, 16, 21 and 22
Land broken

Dense Undergrowth 80.08 Chs
N. timber. Soil $\frac{1}{2}$ in rate

N. 0° 02' W. between Secs 15 and 16

Over broken land through dense
brush.

140.00 Set a lime stone $18 \times 12 \times 4$ ins 12 ins
in the ground for $\frac{1}{2}$ sec Cor.

Marked $\frac{1}{4}$ in N. face. Clay pits
 $18 \times 18 \times 12$ ins N and S of stone. 3
ft dia and raised a md of
earth $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft high N
of Cor.

66.00

Top of rocky ridge bears S and W

Descend.

- 71.60 Bottom of gulch. Course - W.
Trail bears $N 75^{\circ} W$ and $S 75^{\circ} E$
- 80.00 Set a lime stone $24 \times 8 \times 6$ ins in a row
of stone for Cor to sec's 9, 10, 15 and 16
Marked with 4 notches on S and
3 notches on E edge.
Path impracticable
Land broken.

Dense Undergrowth 80 chs
Soil 4th rate, No timber

Dec 9, 1900

Dec 10: 8^{to} 10⁰⁰ AM. L.M.T. I set off $22^{\circ} 50' S$ on the
Decl Arc; $36^{\circ} 04' N$ on lat arc: and determine
a true meridian with the solar at the cor
to sec's 9, 10, 15 and 16.

Thence I run:

$N. 89^{\circ} 25' E$ on a random line
back sec's 10 and 15

- 40.00 Sat temp $\frac{1}{2}$ sec Cor.
- 80.04 Intersect stand S line, 3 lbs N
of Cor to sec's 10, 11, 14 and 15.
Thence S run.
S 89° 46' W. on a true line bet
Sec's 10 and 15 - Through dense undergrowth.
- 40.02 ~~Sat~~ lime stone 16x12x6 ins. 10 in in
the ground for $\frac{1}{2}$ sec Cor. Marked $\frac{1}{2}$
on N face, dug pits 18x18x12 ins E and
W. of stone 3 ft dia, raised a $\frac{1}{2}$ in
of earth $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft high
N of Cor.
- 80.04 Cor to sec's 9, 10, 15 and 16
Land broken.
Sail 3rd rate
Dense undergrowth 80.04 lbs
No timber

No. 2 N. Oak sec's 9 and 10.

Over broken land through dense
Undergrowth

40.00

Set lime stone 18x12x4 ins, 1 ring in
marked on W face
the ground for 1/4 sec cor. Aug. 1910

18x18x12 ins N and S of stone 3 ft dia

and raised a Mt of earth 3 1/2 ft base

1 1/2 ft high. W of cor.

80.00

Set a lime stone 18x12x8 ins in a Mt
of stone for cor to sec's 3, 4, 9 and 10

Marked with 5 notches on S and 3 notches
on E edges. Pits impract.

Land broken No trees.

Dense Undergrowth 80 chs

Soil 3rd rate No timber

- N. 89.46° E on a random line bet secs
 3 and 10. Over rolling land through
 dense undergrowth.
- 40.00 Set trap 1/4 sec cor.
- 80.06 Intersect N and S line 3 lbs N of cor to
 Secs 2, 3, 10 and 11. Thence I run
 S 89.47° W. on a true line bet secs
 3 and 10.
- 40.03 Set a lime stone 20 x 14 x 8 ins in
 a hole of stone for 1/4 sec cor ^{marked}
 1/2 on N face ^{into impract.}
^{no hole in limits.}
- 80.06 The cor to sec's 3, 4, 9 and 10
 Land rolling and rocky
 Soil 1/4 th rate
 Dense undergrowth 80.06 lbs
 No timber.

N. 0° 02' W. on a random line bet sec's
3 and 4. Over broken land through
dense undergrowth, scattering timber.

40.00 Set trap 1/4 sec cor.

78.90 Intersect N. bdy. Tp. 21 1/2 lbs west of cor to
sec's. 3, 4, 33 and 34, Thence I run:

S. 0° 09' W. on a true line bet. sec's,
3 and 4, descending.

10.00 Bottom of Cañon Course S. W. Ascend.

21.00 Top of bluff bears S. W. and N. E.

38.90 Set a line stone 30 x 18 x 6 ins in a hole
of stone for 1/4 sec cor marked 1/4 on W of
from which.

A Cañon 6 in diam bears S 88° E 50 lbs dist
Marked 1/4 S. 3. T. B. T.

A Cañon 6 in diam bears N. 87° 30' W. 105 lbs dist
Marked 1/4 S. 4. T. B. T.

Descend to gulch.

44.50 Bottom of gulch. Course W. Ascend

48.90 Top of low bluff. Over 2 and W

78.90

Cor to secs 3, 4, 9 and 10.

Mountainous land 78.90 chs

Dense undergrowth 78.90 chs

Sail at $\frac{1}{2}$ rate

Scattering Cedars and Lixious

Dec 10-1900

Dec 11, 8th AM L.M. & I set off. $22^{\circ}55'S$ on the decl arc; $36^{\circ}N$ on lat arc; and determine a true meridian with the solar at a point on the S. edge, 70.90 chs $S 89^{\circ}47' W$. of the cor. to secs 3, 4, 33 and 34. Thence I run:

$N. 0^{\circ}03' W$. over broken land, through
 dense undergrowth, ^{30 dis} to a point, thence
 $S 89^{\circ}47' W$. 9.10 dis to the line between
 secs 32 and 33. Thence, $S. 0^{\circ}03'$ East
 9. chs. edge of bluff of Cataract Cañon
 bears $N. W.$ and $S. E.$

I now return to the point on the

line bet seis 32 and 33, which I set
 30 chs. $N. 0^{\circ} 03' W.$
 Thence $N. 0^{\circ} 03' W.$

40.00 Set a line stone $20 \times 12 \times 4$ ins in a $\frac{1}{4}$ sec

Pite impact. $\frac{1}{4}$ sec Cor marked $\frac{1}{4}$ sec $N. 0^{\circ} 03' W.$ for
 in order to determine the distance

across the cañon, I measure a
 base, 9.90 chs, $N. 89^{\circ} 30' E$ to a point
 from which a flag, which I had
 previously set on line $N. 0^{\circ} 03' W.$
 bears $N. 7^{\circ} 47' W.$. Therefore

$$9.90 \times \sin 82^{\circ} 43' \div \sin 7^{\circ} 47' = 72.97 \text{ chs}$$

The dist bet the $\frac{1}{4}$ sec Cor and the
 flag on N. side of cañon.

46.90 Edge of Vert bluff, 1000 ft high bears E and W

I now proceed to the flag $\frac{1}{4}$ of the cañon,
 which is 32.97 chs, $N. 2^{\circ} 03' W.$ from the
 Cor to seis 28, 29, 32, and 33.

Thence I run $S. 0^{\circ} 03' E.$ bet seis 28 and 29

9.47 Edge of Vert bluff, bears E and W

- From the flag at 32.97 chs I run:
 N. $0^{\circ}03'$ W. bet secs 28 and 29
- 40.00 Set a lime stone $20 \times 10 \times 6$ ins in a mid
 of stone for $\frac{1}{2}$ sec cor marked $\frac{1}{4}$ on N face
 Pits imperfect - no nets in limits.
- 63.00 Asced.
- 80.00 Set a lime stone $18 \times 12 \times 6$ ins, 12 ins in the
 ground for cor to secs 20, 21, 28 and 29
 Marked with 2 notches on S and 4 notches
 on E edges dug pits $18 \times 15 \times 12$ ins in rock
 Sec $5\frac{1}{2}$ ft dish. and raised a bed of
 growth 4 ft base 2 ft high N of cor
 Mountainous land 80 chs
 Dense Undergrowth 80 chs
 Scattering Cedars and pines
 Soil $\frac{1}{4}$ th rate

DEC 11-1900

Dec 12: 5th A.M. l m t. I set off, 23° S on the
 direct line; and 36° or 40° or less on: and determine
 a true meridian with the solar at the cor
 to seis 20, 21, 28 and 29. Thence I run
 N. 89° 47' E on a random line
 bet seis 21 and 28

40.00 Sub trip 1/4 sec cor.

80.07 Intersect stand & line at Cor to seis 21,
 22, 27 and 28. Thence I run
 S. 89° 47' W on a true line bet seis
 21 and 28. Over mountainous land
 through dense undergrowth and scattering timber
 ascending.

10.50 Top of bank of gulch. ^{descent} across stand S. x

14.00 Bottom of gulch. Course S. Ascend

25.00 Top of Ascent.

28.00 Begin to descend

38.00 Descend more abruptly.

40.03 Sub a line from 18 x 12 in in a nest of
 stone for 1/4 sec cor. Marked 1/4 on N face

From which:

A *Juniper* 8 in diam bears N. 60° W. 9 lbs dist

Marked 1/4 S. 21. BT

A *Juniper* 8 in diam bears S 44° E. 77 lbs dist

Marked 1/4 S. 28. BT

52.00

Bottom of gulch Course S. W

62.00

Bottom of gulch Course S

72.00

Bottom of gulch. Course S. E. Ascend

80.07

Cor to sec 20, 21, 28 and 29.

Mountainous land 80.07 ch

Dense Undergrowth 81.07 ch

Scattered Cedar and *Juniper*.

Soil rocky at the rate.

S. 89° 47' W. on a true line bet seis 20 and 29

Ascending, over mts. land - this distance ^{from} _{with}

- 20.90 Top of bluff of gulch. bears N. and S
- 23.00 Bottom of gulch. Course S
- 27.90 Top of bluff. bears N and S
- 40.00 Set a lime stone 18.12.8 ins. 12 ins in the ground for $\frac{1}{2}$ sec Cr. Marked $\frac{1}{2}$ W. N. face. dug pits 18.18.12 ins. 2 and W of stone 3 ft dia. and raised a Mt of earth $3\frac{1}{2}$ ft base. $1\frac{1}{2}$ ft high N. of Cr. descend.
- 44.00 Bottom of gulch. course S.W. Ascend
- 51.00 Top of bank. bears S.W. and N.E.
- 72.00 Top of bank of gulch. bears S.W. and N.E. Descend.
- 76.00 Bottom of gulch. course S.W. Ascend.
- 78.80 Top of bank of gulch. bears S.W. and N.E.
- 80.00 Set a lime stone 18.12.12 ins. 12 ins in the ground for Cr to seis 19. 20. 29. and 30. Marked with 2 notches on S and 5 notches on edges. dug

Sets $18 \times 18 \times 12$ ins in each sec. $5\frac{1}{2}$
 ft dist. raised a $\frac{1}{2}$ Md of earth 4 ft
 base 2 ft high. N. of Cr,
 Mountainous land 80 ch
 Dense Undergrowth 80 ch
 Scattering Cedars and Junos
 Soil + the rate.

N. 0.03 N. Oct Dec 20 and 21

Over mountainous land through dense
 Undergrowth and scattering timber
 Ascending.

- 1.50 Top of low ridge, base E and W. descend.
- 6.00 Bottom of gulch. Course S. Ascend.
- 37.00 Top of high ascend. Begin to descend
- 40.00 Set a line stone $18 \times 10 \times 8$ ins 12 ins in
 the ground for $\frac{1}{4}$ sec Cr. Marked $\frac{1}{2}$ on W. face
 Aug sets $18 \times 18 \times 12$ ins. N and S of stone
 3 ft dist. raised a $\frac{1}{2}$ Md of earth $3\frac{1}{2}$

- 53.00 ft base $\frac{1}{2}$ ft high N. of Cr
 Bottom of draw. Course E. Ascend
- 60.00 Top of Ascend
- 80.00 Set a lime stone 18.12x6 in, 12 in in
 the ground for Cr to see 16, 17, 20 and 21
 Worked with 3 notes on S and 4 notes
 on E. edges. Oley pits 16x8.12 in in
 each see $5\frac{1}{2}$ ft disk. Raised a
 rod of earth 4 ft base 2 ft high N. of Cr
 Mountainous land 80 ch
 Dense Undergrowth 80 ch
 Scattering Cedars and Firms
 Soil of the rate

Dec 12-1900

Dec 13. 8⁴⁰ AM. L. m. t. I set off $23^{\circ} 04'$ on the decl arc. 360° on lat arc; and determine a true meridian with the Solar at the Cor to secs 16. 17. 20. and 21. Thence I run

N. $89^{\circ} 47' E$, on a random line bet Secs 16 and 21 through dense ^{growth} undergrowth.

41.00 Set trap 1/4 sec Cor.

79.91 Intersect N and S line 9 lbs N of Cor to secs 15. 16. 21 and 22. Thence I run

S. $84^{\circ} 51' W$. on a true line bet secs 16 and 21 through dense undergrowth.

27.20 Trail bears N.W. and S.E

39.96 Set a liell stone $18 \times 12 \times 6$ ins in a bed of stone. for 1/4 sec. Cor. marked 1/4 on N. of Cor. ~~into the practicable~~ ^{begin to descend} ^{notions in limits.}

69.00 Bottom of draw. Course S. Ascend

72.00 Top of ridge bears N and S. descend

79.91 The Cor to secs. 16. 17. 20 and 21.

Land broken.

Dense undergrowth 79.91 on

Trail 4th rate

Scattering Cedars and Piñons.

N. 0° 03' W. by sec's 16 and 17. Over
broken land. Through dense undergrowth
and scattering Cedars and Piñons

22.00 Cedars and Piñons become dense.

25.04 Trail bears N. W. and S. E.

41.00 Set a line stone. 18 x 12 x 4 in in a Tnd
of stone. for 1/4 sec cor. Marked 1/4 NW. face.
From which:

A Cedar 8 in diam bears S. 10° W. 28 lbs dia
Marked 1/4 S. 17. B.T

A Cedar 6 in diam bears S. 4° E. 31 lbs dia
Marked 1/4 S. 16. B.T

80.00 Set a line stone. 24 x 16 x 8 in in a Tnd
of stone. for cor to sec's 8, 9, 16 and 17
Marked with 4 notches on S. and 4 notches
on E. edges. From which:

A Cedar 10 in diam. bears S. 30° E. 25 lbs dia.

Marked T. 31. N. R. 2. W. S. 16. T. 3. T

A Cedar 6 in diam. bears S. 60° W. 37 lbs dia.

Marked T. 31. N. R. 2. W. S. 17. T. 3. T

A Cedar 8 in diam bears N. 45° E. 63 lbs dia.

Marked T. 31. N. R. 2. W. S. 9. T. 3. T

A Fir 8 in diam. bears N. 60° W. 62 lbs dia.

Marked T. 31. N. R. 2. W. S. 8. T. 3. T

Land broken

Sail \angle the rate

Dense Undergrowth 80 ch

Dense Cedar and Fir 58 ch

N. 89° 51' E on a random line. bet
secs. 9 and 16. Over broken land
through dense undergrowth and
scattered Cedars and Firs.

40.00

Sat trap 1/4 sec. Cor.

80.12

Intersect N. and S. line. 14 lbs S of

Cor. to sec's 9, 10, 15 and 16 Thence I run
S 89° 45' W on a true line bet sec's 9 and 16

40.06

Set a lime stone 24 x 6 x 12 ins in a mid of stem

46 1/4 sec. Cor. Marked 1/4 on N. face.
Ditto impracticable
Descend. NW trees near.

77.00

Bottom of rocky gulch Course N. 70° W. Ascend

80.12

The Cor to sec's 8, 9, 16 and 17.

Land broken.

Soil 4th rate

Dense Undergrowth 80.12 chs

Scattering Cedars and firs

Dec 13 - 1900

Dec 14. 8⁰⁰ AM. Com t I set off. 23.05 S on the
decl arc: 36.02 N on lat arc: and determine
a true meridian with the solar at the
Cor to sec's 8, 9, 16 and 17.

Thence I run:

- N. 0.03 W. cut Secs 8 and 9
Through dense undergrowth.
- 1.00 Foot of bluff. bears E and W. Ascend
- 1.40 Top of rock bluff. bears E and W.
- 40.00 Set a lime stone $20 \times 12 \times 4$ in in a
Mid of stone. for $\frac{1}{2}$ Sec. Cor marked
 $\frac{1}{2}$ Sec W. face. Peto Strip
No ties in limits.
- 80.00 Set a lime stone $18 \times 12 \times 8$ in in a
Mid of stone for cor to Secs 4.5. 8 and
9. Marked with 5 notches on S and
4 notches on E edges.
Peto unpracticable no trees nearby
Gaud broken.
- Soil 4th site
Dense Undergrowth 80 chs
Scattering Juniper Cedars.

Concluded, Book 1114.