

I

Subdivisions

of

T. 30 N. R. 1 W

1136

Secor,

BOOK 1136

4-671

FIELD NOTES
GENERAL LAND OFFICE.

BOOK 1136

No. 1136

No. 1136

BOOK 1136

Field Notes
of the survey of the
Subdivision Lines
of
Township 30 North, Range 1 West,
of the
Gila and Salt River Basins and Meridian,
in the
Territory of Arizona,
as surveyed by
W. O. Secor,
U. S. Deputy Surveyor,
under his contract, No. 77.
Dated Aug. 29-1900.

Surveyed commenced Sept. 30, 1900.
Surveyed completed Oct. 15, 1900.

BOOK 1136

2

BOOK 1137

Township 30 N Range 1 W

S. and S. R. Meridian County,

NORTH

6	82	5	64	4	52	3	40	2	24	1
81		80		63		51		39		22
7	79	8	62	9	50	10	37	11	21	12
78		77		61		48		35		19
18	76	17	60	16	47	15	33	14	17	13
75		73		59		46		32		15
19	72	20	58	21	45	22	30	23	13	24
71		69		57		44		29		11
30	68	29	56	28	43	27	28	26	18	25
67		66		55		42		27		9
31	65	32	54	33	41	34	26	35	8	36

SOUTH

WEST EAST

On account of the great distance to, ^{and} expense expense it would incur to reach, a notary public, I take advantage of the permission granted me in such cases ^{and} administer the preliminary oaths to my assistants.

W. J. Green

Survey, commenced Sept 30 1900
and was executed with a
Buff and Berger Engineers
Transit with Saegmuller
Dalar attachment. The horizontal
limb is provided with two
double verniers placed opposite
to each other reading to
30" of arc.

I examine the adjustments of
my transit, then to test the
solar apparatus, by comparing
its indications resulting from
solar obs. made during AM & PM
hours with a true meridian
determined by obs on polaris.
I proceed as follows.. at the cor
to secs 2, 3, 34 & 35 on the S
bdy Tp 30 N R. 1 W. Lat $35^{\circ} 55' N$
I set off $2^{\circ} 54' S$ on the decl. arc

$35^{\circ} 55'$ N. on the lat. arc. and
 at 4^{h} pm LMT determine with
 the solar a true meridian and
 mark a point on a stone firmly
 set in the ground 5 che. N. of the Co.
 at $6^{\text{h}} 37^{\text{m}}$ pm. I obs Polaris at
 Eastern Elongation in accordance
 with Manual of instructions and
 mark a point in the line thus
 determined on a stone set 5 che
 N. of my station

Sept 30 - 1900.

Oct 1st at 7.30 am I lay off the
 azimuth of Polaris $1^{\circ} 31'$ to the west
 and mark the true meridian thus
 determined on the stone set Sept 30
 on which the true meridian falls
 $\frac{1}{4}$ of an inch west of the mark
 determined by the Solar at 8 am
 I set off $3^{\circ} 09'$ S. on the Decl. arc.

$35^{\circ} 55' N$ on the lat. arc and mark
 a point in the true meridian
 Determined with the Solar on the
 stone already set 5 chs N of my
 station this mark falls on the point
 Established by the polaris Obs.
 I therefore conclude that the adjustments
 of the inst are satisfactory.

The magnetic bearing of the true
 meridian at $8:30^m$ AM is $N 15^{\circ} 00' W$.
 The angle thus determined reduced
 by the table, page 100. gives the mean
 mag. decl. $14^{\circ} 58' E$.

From the cor to Ips 29 and 30 N Ps
 $1E + 1W$ on the Gila and Salt River
 Meridian which is a lime stone
 set in a md. of stone marked
 $730 N$. on NE . 29 on SW . $1E$ on
 SE . $1W$. on NW faces + 6 matches

7

BOOK 1136

on each edge. I run North on the G + SR meridian and E Bdy of sec 36 and at 40.04 chs the $\frac{1}{4}$ Sec cor (~~bears W 2 lks.~~) and at 80.03 the cor to secs 25. 30. 31 + 36 (~~bears W 6 lks.~~) therefore the line bears ~~N. $0^{\circ} 03'$ W.~~ from the Tp cor I run W on the S bdy of sec 36. at 39.97 chs the $\frac{1}{4}$ sec cor bears S 3 lks. and at 79.95 chs the cor to secs 1. 2. 35 + 36 bears S. 7 lks. therefore the S. Bdy sec. 36 bears S. $89^{\circ} 57'$ W:

I commence at the cor of secs 1. 2. 35 + 36 on the S bdy. of Tp. which is a lime stone set in a md of stone with a md of stone alongside. thence I run N. $0^{\circ} 01'$ W. bet secs 35 + 36. over rough rocky ground + thro dense under growth

and scattering Cedars

- 19.00 Edge of bluff of Canon
bears NE & SW. descend
- 28.00 Bottom of Canon, 100 ft deep,
course SW. ascend.
- 36.00 Top of bluff of Canon bears
NE & SW.
- 40.00 Set a lime stone $18 \times 14 \times 10$ ^{ins.}
in a md of stone for $\frac{1}{4}$ sec
Cor. marked $\frac{1}{4}$ on W face
- 80.00 set a lime stone $16 \times 16 \times 12$
ins. in a md of stone
for cor. to secs 25. 26. 35
and 36 marked with one
notch on S. and one notch
on E. Edges land rough and
rocky. soil 4th class dense
undergrowth 80 chs Cedars
scattering. Oct 14th at this cor

9

I set off $3^{\circ} 14' S.$ on the decl. arc. and at noon observe the sun on the meridian and find the lat. to be $35^{\circ} 56' N.$

$N. 89^{\circ} 57' E.$ on a random line bet. secs 25 & 36.

40.00 Set temp. $1/4$ sec. cor.

79.88 Intersect E. bdy Tp 1 ^{of cor.} R. S. to secs 25, 30, 31 & 36 which is a lime stone in a md of stone marked as described by the Surveyor General thence I run $S. 89^{\circ} 57' W.$ on a true line bet. secs 25 & 36 over mountainous land thro dense undergrowth

and scattering Cedars
and pinons.

39.94 Set a lime stone $14 \times 10 \times 8$
ins in a md of stone
for $\frac{1}{4}$ sec. cor marked $\frac{1}{4}$ on
N. face.

79.88 The cor to secs 25, 26, 35 & 36
Land mountainous 79.88 Chs
Dense undergrowth 79.88 Chs
Soil rocky 4^{th} rate.

N. $0^{\circ} 4'$ W. bet secs 25th & 26th
over mountainous land and
thro dense undergrowth

5.00 descend abruptly to Canon

10.00 Bottom of canon from S E to W

40.00 Set a lime stone $24 \times 15 \times 4$
ins in a md of stone for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on

- W. face.
- 50.00 ascend abruptly bluff
of canon.
- 55.00 Top of bluff bears E. & W.
- 80.00 Set a lime stone $26 \times 10 \times 8$
ins in a mid of stone
for cor to secs 23. 24. 25.
and 26 marked with
2 notches on S. and one
notch on E. Edges. Land
mountainous Roche
Dense undergrowth Roche
Soil rocky $4\frac{1}{2}$ " rate.
-

- N. $89^{\circ} 57' E$. on a random
line bet. secs. 24 and 25.
- 40.00 set temporary $\frac{1}{4}$ sec. cor.
- 79.76 Intersect E. bdy. 15 lks. S.
of cor to secs 19. 24. 25

and 30. which is a lime stone set in a md of stone and marked as described, by the Surveyor General.

Thence I run S. $89^{\circ} 51'$ W. on a true line bet. secs 24 + 25 over rough rocky ground + thro dense undergrowth + scattering cedars + pinons.

36.00
38.26
39.88

Descend to rocky ravine
Bottom of Gulch course SE. ascend
Set a lime stone $16 \times 12 \times 6$ ins
in a md of stone marked
 $\frac{1}{4}$ on N. face for $\frac{1}{4}$ sec. cor.
No trees in distance.

67.00

Top of bank of gulch bears
SE. & NW.

79.76

Cor. to secs 23, 24, 25, + 26.
Land rough and rocky.
Dense undergrowth. 79.76 Chs.
Cedars + pinons scattering

Oct 1st 1900

13

Oct. 2^d at 8.^h 0.^m A. M.
 I m^d. I set off $3^{\circ} 32' S.$
 on the decl. arc $35^{\circ} 56' N.$
 on the lat. arc. and
 determine a true Meridian
 with the solar at the
 Cor. to secs. 23. 24. 25 & 26
 Hence I run

$N. 0^{\circ} 1' W.$ bet secs 23 & 24
 over rough rocky ground
 & thro dense undergrowth &
 burnt Cedars & pinons

40.00 Set a lime stone $20 \times 8 \times 6$
 ins in a rnd of stone
 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
 on W. face.

80.00 Set a lime stone $30 \times 14 \times 8$
 ins, 8 ins in ground with
 with rnd of stone around
 it for Cor. to secs. 13, 14

23 + 24 marked with
 3 notches on South and
 1 notch on E edges from
 which a pinon 8 ins diam
 bears N. $15^{\circ} 40' W$. 65 lks
 dist. marked T. 30. N. R. 1. W.
 S. 14. B. T. a pinon 6 ins
 diam. bears N $26^{\circ} 15' E$. 9 lks
 dist. marked T. 30. N. R. 1 W
 S. 13. B. T. a pinon 8 ins
 diam bears S. $68^{\circ} 30' W$.
 58 lks. dist. marked T. 30. N. R.
 1. W. S. 23. B. T. Land rough
 and rocky 80 chs
 Dense undergrowth 80 chs
 Cedars & pinons scattering
 Soil 4th rate

15

N. $89^{\circ} 51' E.$ on a random
line bet secs 13 + 24
over rough rocky ground
& thro. dense undergrowth
and scattering Cedars & pines

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

79.76 Intersect E. bdy of Tp. 14 lks
N. of cor to secs 13. 18. 19 + 24
which is a lime stone
5 x 10 x 6 ins above ground
marked & witnessed as
described by the surveyor
General.

Thence I run S. $89^{\circ} 57' W$
on a true line bet. secs
13 + 24. Thro dense Cedars
& pines.

39.88 Set a lime stone 16 x 16 x 6 ins
in a mid of stone for $\frac{1}{4}$ sec
cor. marked $\frac{1}{4}$ on N face

from which a pinon
 14 ins diam bears N. 75° 20' W.
 30 lks. dist. Marked 1/4. S. 73. B. 3.

A pinon 14 ins diam bears
 S. 11° 10' E. 189. lks dist
 marked 1/4. S. 24. B. 3.

55.00 Leave dense cedars & pinons

79.76 Cor. to secs 13, 14, 23 & 24
 Land rough & rocky 79.76 Chs
 Dense cedars & pinons 55 Chs
 Dense undergrowth 79.76 Chs
 Soil 4th rate

17

- N. 0° 1' W. bet. secs 13 + 14
 over rough rocky ground
 & thro dense undergrowth
 & burnt Cedars.
- 40.00 Set a lime stone $20 \times 12 \times 8$
 ins. 16 ins in the ground
 for $\frac{1}{4}$ sec. Cor. marked
 $\frac{1}{4}$ on W. face. dug pits
 $18 \times 18 \times 12$ ins N + S. of cor.
 3 ft. dist. & raised a md
 of earth $3\frac{1}{2}$ feet base
 $1\frac{1}{2}$ ft high. W of cor.
- 50.00 Leave burnt Cedars.
- 73.00 Enter dense cedars & pines
 bearing E & W.
- 80.00 Set a lime stone $26 \times 18 \times 8$
 ins in a md of stone
 for cor. to secs 11. 12. 13 + 14
 marked with four notches
 on S. & 1 notch on E. Edges

from which a pinon
42 ins diam bears $N.55^{\circ}30'E$
106 lks dist. marked T.30. N.R.
1. W. S. 12. B. J.

A pinon 12 ins diam bears
 $S.66^{\circ}40'E$. 105 lks dist.

marked T.30. N.R. 1. W. S. 13. B. J.

A Cedar. 8 ins. diam. bears
 $S.53^{\circ}20'W$. 53. lks. dist

marked T.30. N.R. 1. W. S. 14. B. J.

A pinon 4. ins diam. bears
 $N.72'W$. 76 lks dist. marked

T.30 N.R. 1. W. S. 11. B. J.

Land rough & rocky 80 chs

Dense Cedars & pinons 7 chs

Dense undergrowth 80 chs

Burnt Cedars & pinons 50 chs

Soil rocky 4 rate.

Oct. 2^d 1900

19

Oct 3^d. at 8^h. 0^m A.M.

I m J. I set off $3^{\circ} 55' S.$
 on the decl. arc, $35^{\circ} 59' N.$
 on the lat. arc and
 determine a true Meridian
 with the Solar at cor of
 Secs 11. 12. 13 & 14,

Thence I run $N. 89^{\circ} 57' E.$
 on a random line bet
 secs 12 & 13, over rolling
 ground thro dense Cedars
 spinous & dense undergrowth.

40.00

Set temp. $1/4$ Sec Cor.

79.75

Intersect E. bdy Tp. 3. lks S,
 of cor to secs 7. 12. 13 & 18,
 which is a lime stone
 in a md of stone marked
 & witnessed as described
 by the Surveyor General,
 Thence I run

S. $89^{\circ} 56' W.$ on a true
line bet secs. 12 & 13.

over rolling rocky ground
through dense undergrowth

20.00 Enter dense Cedars & pinons

33.00 Leave Dense Cedars & pinons

39.87 Set a line $24 \times 12 \times 4$ ins.

18 ins. in ground for $\frac{1}{4}$ sec. cor,
marked $\frac{1}{4}$ on N. face.

dug pits $18 \times 18 \times 12$ ins

E. & W. of stone 3 ft. dist.

& raised a md of earth

$3\frac{1}{2}$ ft base & $1\frac{1}{2}$ ft. high

N. of Cor.

46.06 Enter dense Cedars & pinons
timber

79.75 Cor to secs 11. 12. 13. & 14.

Land rolling & rocky

Dense Cedars & pinons 47 chs

Dense undergrowth 79.75 chs

Soil rocky 4th Nat.

- N. 0° 1' W. bet secs 11 & 12
 over rough ground & thro
 dense cedars & pines and
 dense undergrowth,
- 5.00 Leave dense timber
- 18.00 Edge of bluff of Canon
 bears N.E. & S.W.
 Descend to Canon.
- 20.50 Bottom of Canon 150 ft
 Deep Course S.W. ascend
- 37.00 ascend ^{abruptly} out of Canon
- 40.00 Top of bluff of Canon
 bears S.W. & N.E.
 set a lime stone
 18 x 12 x 6 ins. 12 ins in
 ground for 1/4 sec. cor.
 marked 1/4 on W. face.
 Dug pits 18 x 18 x 12 ins.
 N. & S. of Cor. 3 ft Dist
 and raised a md of earth.

3 1/2 ft. base. 1 1/2 ft. high.
W. of Cor.

80.00 Head of Canon Course
S.E. Set a line Stone
24 x 16 x 8 in. in mid of
stone 5 ft high for Cor
to sec 1, 2, 11 + 12 marked
with 5 notches on S. and
1 notch on E Edges.
Land very rough & rocky
80 Chs.

Dense undergrowth 80 Chs
Dense timber 5 Chs
Soil 4th rate.

N. 89° 56' E on a random line
bet sec 1 + 12 over rough & rocky
ground thro dense undergrowth

40.00 Set temp 1/4 sec. cor.

23

79.70 Intersect E bdy Tp. 23 Lks. S. of
 Cor to secs 1, 6 + 7 + 12. Which
 is a lime stone 8 x 12 x 3 ins
 above ground marked as
 described by the Surveyor Genl.
 Thence I run S. 89° 46' W on a
 true line bet secs 1 + 12
 thro dense undergrowth + over
 rough rocky ground.

19.00 Enter dense Cedars + pines

3.9.85 Set a lime stone 30 x 12 x 6 ins
 in md of stone for $\frac{1}{4}$ sec Cor
 marked $\frac{1}{4}$ on N. face from which
 a pinon 12 in Diam bears N.
 3° 0' E. 9 lks. dist marked
 $\frac{1}{4}$ S. 1. B. J. A pinon 12 ins Diam
 bears S. 59° 30' W 48 lks dist
 marked $\frac{1}{4}$ S. 12 B. J.

72.00 Leave dense timber

79.70 Cor to secs. 1, 2, 11 + 12.

Land rough & rocky
 Dense Cedars & pinons 53 Chs
 Dense undergrowth 79.70 Chs
 Soil 4th rate.

N. 0° 01' W. on a random line
 bet secs 1 & 2

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

79.90 Intersect N. bdy Twp. 37 lks E. of
 Corto secs 1, 2, 35, 36 heretofore
 described by me. Thence I run
 S. 0° 16' E. on a true line bet
 secs 1 & 2 over rolling ground
 through dense undergrowth

6.00 Enter dense pinons & Cedars
 land becomes rough & rocky

39.90 Set a lime stone 30 x 18 x 6 in
 20 ins in md of stone for
 $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$, on W face
 from which a cedar 6 ins

25

Diam bears N. $190^{\circ} 45' W$.

165 lks dist marked $\frac{1}{4} S 2 B J$.

A pinon 12 ins diam bears
N. $110^{\circ} E$. 156 lks dist. marked
 $\frac{1}{4} S. 1 B J$.

55.00 Descend over Mountains ^{land}

66.00 have Dense timber

79.90 Car to sec 1. 2. 11 & 12.

Land rolling & rocky for 55 Chs
and mountains 25 Chs

Dense timber 60 Chs

Dense undergrowth 79.90 Chs

Oct 3rd 1900

Oct 3rd at 4^h pm. l m J
I set off $35^{\circ} 55'$ on the lat. arc
 $4^{\circ} 03' S$. on the decl arc.
And comparing a meridian
established by my solar
with the true meridian

Established at this point
 the cor to secs 2. 3. 34 & 35
 on the S. bdy. - by an obs
 on Polaris. on the Evening
 of Sept 30th I find them to
 practically agree. From the
 cor to secs 2. 3. 34 & 35. on S.
 bdy of the Tp. which is a lime
 stone 8 x 12 x 4 ins above
 ground with ind of earth
 and pits. I run N. 0° 1' W.
 bet secs 34 & 35. ~~over~~ level
 ground.

18.00 ascend out of valley & proceed
 over mountainous land and
 through dense undergrowth
 & scattering Cedars & pines

40.00 set a lime stone 16 x 10 x 6 ins
 in a mound of stone for
 1/4 sec. cor marked 1/4 ^{W Face} on _W

27

80.00 Set a lime stone $18 \times 9 \times 6$ ins
in a md of stone. for cor to
secs 26. 27. 34. 35 marked
with 1 notch on S. & 2 notches
on E Edges

Land mountainous 62 Chs
Dense undergrowth 62 Chs
Soil 4th Nat.

x

N. $89^{\circ} 57' E$ on a random line
bet secs 26 & 35 :

40.06 Set temp $1/4$ sec cor.

49.88 Intersect N. & S line 1 bk. S of
cor to secs 25. 26. 35 & 36
thence I run S. $89^{\circ} 57' W$.
on a true line bet secs 26 & 35
Over mountainous land
& thro dense undergrowth
& scattering Cedars & pinons

- 39.94 Set a lime stone $14 \times 10 \times 8$ ins
in a mound of stone for $\frac{1}{4}$ sec cor
marked $\frac{1}{4}$ on neth face.
- 79.88 The cor to secs 26 27. 34
& 35 Land mountainous 79.88 Cha
Dense undergrowth 79.88 Cha
Timber scattering Cedars &
pinous Soil rocky 4th rate
-

M. $0^{\circ} 01'$ W. bet secs. 26 & 27
over mountainous land
& through Dense undergrowth

- 40.00 Set a lime stone $16 \times 8 \times 6$
ins in mid of stone for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W face
- 70.00 Foot of bluff ascend abruptly
- 80.00 Top of bluff 200 ft high
bears E & W. Set a lime
stone $16 \times 16 \times 6$ ins in a mound

29

of stone for cor. to secs 22.
23. 26 + 27 marked with
2 notches on S, + 2 notches
on E edges

mountainous land 80 chs
Dense undergrowth 80 chs
Soil 4th rate.

N. $89^{\circ} 57'$ E. on a random
line bet secs 23 + 26 over
mountainous land, ascending
point of bluff.

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

79.80 Intersect N. + S line 7 lks S.
of cor to secs 23. 24. 25 + 26.
Thence I run S. $89^{\circ} 54'$ W. on
a true line bet secs. 23 + 26

39.90 Set a lime stone $24 \times 12 \times 6$ ins
in md of stone for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on n. Face.

- 57.00 Edge of bluff of deep rincon
of canon bears S. E. & N. W.
descend abruptly
- 66.00 Bottom of Canon. course S.
ascend abruptly.
- 74.49 Top of bluff bears N. E. & S. W.
- 79.80 cor to sec 22. 23. 26 & 27
Land mountainous. 79.50 chs
Dense undergrowth. 79.50 chs
Soil 4th rate.
-

Oct 4th at 8^h A. M. l. m. J.
I set off $4^{\circ} 18' S.$ on the
decl. arc. $35^{\circ} 57' N.$ on the
lat. arc. and determine a
true meridian with the Solar
at the cor of sec. 22. 23. 26.
& 27. Thence I run
N. $0^{\circ} 1' W.$ bet. sec 22 & 23
over mountainous land

31

- and Thro dense undergrowth
- 21.00 Edge of precipitous bluff
of Canon bears E & W. descend
abruptly.
- 27.00 Bottom of Canon 200 ft. deep.
course W. ascend.
- 32.00 Top of bluff of Canon N. side
bears E & W.
- 33.00 Edge of bluff of Canon. bears
E & W. descend.
- 40.00 Set a lime stone 16x8x6 ins
in mid of stone for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W face
- 44.00 Bottom of Canon 500 ft. deep
course W. ascend abruptly
- 53.00 Top of bluff N. side bears E & W.
- 54.00 Edge of bluff of Canon bears E & W.
descend abruptly
- 60.00 Bottom of Canon 20.0 ft deep
course W. ascend abruptly

No. 1136

BOOK 1136

32

68.00

Top of bluff N. side bears E & W

80.00

Set a lime stone $18 \times 14 \times 6$ ins
in md of stone 3ft high
for cor. to secs 14, 15, 22 & 23
marked with 3 notches on S.
and 2 notches on E. Edges
Mountainous land 80 chs
Dense undergrowth 80 chs
Soil 4th rate.

N. $89^{\circ} 54'$ E on a random
line bet. secs 14 & 23.

40.00

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

79.89

Intersect N & S. line 6 lks. N. of
Cor. to secs 13, 14, 23 & 24.
thence I run S. $89^{\circ} 57'$ W.
on a true line bet. secs 14 & 23
over rolling land & thro dense
undergrowth & burnt Cedars & pines

39.94

Set a lime stone $14 \times 8 \times 8$ ins

33

- in md of stone for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face.
- 70.00 Edge of rock bluff 15 ft. high.
bears N + S. descend
- 79.89 Cor to secs 14, 15, 22 + 23.
Land Mountainous 10 chs.
Dense undergrowth ^{79.89} chs. Soil 4' hat.
-
- N. 0° or' W. bet. secs 14 + 15
over Mountainous land
and thro dense undergrowth ascending
- 29.56 Edge of bluff of canon bears S.E. ^{90°}
N. W. descend.
- 40.00 Set a lim. stone 24 x 12 x 8 ins
in md of stone for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W face. from
which. a pinon 10 ins diam
bears S. 59° 40' E. 49 lrs dist.
a pinon 10 ins diam bears
S. 56° 10' W. 136 lrs dist.

- 44.00 Bottom of Canon 400 ft Deep.
Course N.W. ascend over low
points of side Canon.
- 47.00 Top of ascent. Descend.
- 50.50 Bottom of main Canon. Course
W. at 4 Chs. joins side Canon
from S. E. ascend.
- 59.00 Top of bluff of Canon N. side
bears E. & W.
- 70.00 Edge of bluff of Canon bears
N.W. & S. E. descend abruptly
thro dense Cedars.
- 76.00 Leave Cedars.
- 80.00 Bottom of Canon 500 ft Deep
Course N.W. at 6 Chs turns
W. and at 12^{chs} turns S.W.
Set a lime stone 16 x 12 x 12
ins in a md of stone for
Cor to secs 10. 11. 14 & 15
marked with 4 notches

on S. + 2 notches on E. Edge
 Mountainous land 80 Chs
 Dense undergrowth 80 Chs
 pinons + Cedars scattering
 Soil 4th rate.

- N. $89^{\circ} 57' E$. on a random line
 bet secs 11 + 14 — over mountainous
 land + thro dense undergrowth
- 40.00 Set temp $1/4$ sec cor.
- 80.10 Intersect N + S line 8 lks S.
 of cor to secs 11. 12. 13 + 14.
 Thence I run S. $89^{\circ} 54' W$ on
 a true line bet secs 11 + 14
 over mountainous land
 + thro dense Cedars + pinons
 + dense undergrowth.
- 4.00 Leave Dense timber
- 1300 Edge of bluff of side Canon
 bears N + S. descend

- 15.00 Bottom of Canon. Course N.
at 10 Chs. enters main Canon ^{ascend} ↘
- 16.00 Top of bluff of side Canon,
Continue to ascend over
rocky ground.
- 25.00 Top of ascent
- 36.00 Top of bluff E. side of Canon
descend abruptly.
- 40.05 Bottom of Canon. Course N,
7 Chs from mouth. 300 ft Deep
set a lime stone 24 x 14 x 4
ins in mid of stone for $\frac{1}{4}$ sec
Cor. marked $\frac{1}{4}$ on N face.
ascend abruptly.
- 44.40 Top of bluff bears N & S
enters dense cedars & pines
Continue to ascend.
- 50.00 Top of ascent.
- 62.00 Edge of bluff of Canon bears
N, E & S. W. leave timber.

37

- and descend abruptly
- 68.00 Bottom of Canon 560ft deep.
Course S. W.
- 80.10 Car to Secs 10, 11, 14 & 15
Mountainous land 80¹⁰ chs.
Dense timber 15 chs
Soil 4th rate. Oct 4th 1900.
-

- Oct 5th: at 8^h 0^m A. M. S. M. J.
I set off 4° 42' S. on decl. arc.
35° 59' N. on lat. arc. and determine
a true meridian with the solar
at car to sec 10, 11, 14 & 15,
thence I run N. 0° 1' W. bet sec
10 & 11. In bottom of Canon
500 ft deep.
- 2.00 Foot of steep bluff of Canon
ascend abruptly
- 13.00 Top of bluff bears E. & W.,
enter dense undergrowth

40.00 Set a lime stone $30 \times 14 \times 12$
 ins in a md of stone
 for $\frac{1}{4}$ sec Cor marked $\frac{1}{4}$ on
 W. face from which a pinon
 10 ins diam bears $N 35^{\circ} 40' W$
 60 lbs dist marked $\frac{1}{4} S 10 B 3$
 a pinon 8 ins diam bears
 $N. 61^{\circ} E. 53$ lbs. dist. marked
 $\frac{1}{4} S. 11 B. T.$ Re: a lime stone

80.00 Set a lime stone $20 \times 10 \times 6$
 ins in md. of stone for Cor
 to see 2, 3, 10 & 11 marked
 with 5 notches on south
 and 2 notches on E. edges
 from which a pinon 8 ins
 diam. bears $S. 5^{\circ} 05' W. 133$ lbs.
 dist. marked. J. 30. N. R. 1. W. 5 10
 B. T. a pinon 10 ins diam bears
 $S. 19^{\circ} E. 121$ lbs. dist. marked
 J. 30. N. R. 1. W. S. 11. B. T.

39

Mountainous land. 80 chs.
 Dense undergrowth 67 chs.
 scattering Cedars & pines 60 chs.
 Soil 4th rate

N. $89^{\circ} 54' E.$ on a random line
 bet secs 2 & 11 over rough
 mountainous land thro dense
 undergrowth.

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

79.92 Intersect N. & S. line 2 lks. S.
 of cor to secs 1, 2, 11 & 12

Thence ^{3 min} S. $89^{\circ} 53' W.$ on a true
 line bet. secs. 2 & 11. over rocky
 ground & thro dense undergrowth

10.00 Enter dense Cedars & pines

34.00 Leave " " " "

39.96 set a lime stone $16 \times 12 \times 4$ ins in
 mid of stone for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on N. face from which

a pinon 6 ins diam bears
 N. $74^{\circ} 15'$ E. 48 lks dist marked
 $\frac{1}{4}$ S. 2. B. J. A pinon 12 ins diam
 bears S. $83^{\circ} 40'$ E. 76 lks dist.

46.00 Enter dense Cedars & pinons
 70.00 Leave " " " "
 79.92 Cor to secs. 2, 3, 10 & 11. land
 rough mountainous 79.92 Chs.
 Dense undergrowth 79.92 Chs
 Dense Cedars & pinons 48 Chs.
 Acire 4th rate.

N. $0^{\circ} 1'$ W. on a random line
 bet. secs 2 & 3. over rough rocky
 ground thro dense undergrowth
 + scattering Cedars & pinons

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

79.83 Intersect N. bdy Tp. 38 lks E. of
 cor to secs 2, 3, 34 & 35
 Thence I run S. $0^{\circ} 16'$ E. on a

41

- True line bet sec. 2 + 3.
- 39.83 Set a line stone $18 \times 12 \times 4$ ins in
a mid of stone for $\frac{1}{4}$ sec cor. Marked
 $\frac{1}{4}$ on W. face.
- 60.56 Top of bluff of gulch. bears E. ^{2nd} and
62.25 Bottom of gulch course W. ascend
63.36 Top of bluff S. side of gulch
bears E. & W.
- 79.83 Cor to secs. 2, 3, 10 + 11. Land
mountainous 79.83 chs. Dense
undergrowth 79.83 chs scattering
Cedars & pines soil 4th rate
- Oct 5th 1900.

Oct 6: at 8^h 0 m a.m. L.M.S.
I set off $5^{\circ} 04'$ S. on decl. arc;
 $35^{\circ} 55'$ N. on lat arc. & determine
a true Meridian with the solar,
at the Cor to secs 3, 4, 33 + 34.
Thence I run N. $0^{\circ} \frac{2}{3}'$ W. bet

secs 33 & 34 over rolling ground

40.00 Set a lime stone $18 \times 12 \times 6$ ins
in a md. of stone for $\frac{1}{4}$ sec cor.
marked $\frac{1}{4}$ on W. face.

80.00 set a lime stone $20 \times 12 \times 4$ ins.
14 ins in ground for cor to
secs 27, 28, 33 & 34 marked with
1 notch on S. and 3 notches on E
edges and raised a md of stone
2 ft. base + $2\frac{1}{2}$ ft high W. of cor.
Land rolling. Soil 4th rate
No timber

N. $89^{\circ} 57' E$. on a random line
bet. secs 27 & 34 over rocky ground

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

80.05 Intersect. N & S. line 2 lks S.

of cor. to secs 26, 27, 34 & 35

thence I run S. $89^{\circ} 56'$ W.

on a true line bet secs 27 & 34

Over rough rocky ground & thro
dense undergrowth.

40.03 set a lime stone $16 \times 8 \times 4$ ins
in md of stone for $\frac{1}{4}$ sec cor
marked $\frac{1}{4}$ on N. face & raised
a md of stone 2 ft. base. $2\frac{1}{2}$ ft high
N. of cor.

80.05 Cor. to secs 27. 28. 33 & 34
land rough & rocky. Dense
undergrowth 80.° Cha. Scattering
cedars & pinous soil 3rd rate.

N. $0^{\circ} 2' W.$ bet. secs 27 & 28
over rolling ground.

40.00 set a lime stone $18 \times 8 \times 6$ ins
12 ins in ground for $\frac{1}{4}$ sec cor.
marked $\frac{1}{4}$ on W. face. dug pits
 $18 \times 18 \times 12$ ins N. & S. of stone 3 ft.
dia & raised a md of earth $3\frac{1}{2}$
ft. base. $\frac{1}{2}$ high W of cor.

80.00 Set a lime stone $24 \times 12 \times 6$ ins.
 18 ins. in ground for cor. to secs
 21, 22, 27 + 28. marked with 2
 notches on S, and 3 notches on E.
 Edges dug pits $18 \times 18 \times 12$ ins. in
 each sec $5\frac{1}{2}$ ft. dist + raised
 a rnd. of earth 4 ft. base. 2 ft. high
 W. of cor Land rolling. Soil 3rd rate.
 No timber

N $89^{\circ} 56' E.$ on a random line
 bet. secs 22 + 27 over rolling ground

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

80.00 Intersect N + S. line 16 lks. N. of cor.
 to secs 22, 23, 26 + 27. thence S run.

N $89^{\circ} 57' W.$ on a true line bet.
 secs 22 + 27. descending abruptly
 from high points of mountain

20.00 Foot of steep bluff bearing N. W. + S. E.
 proceed over rolling ground

45.

- 40.00 Set lime stone $18 \times 12 \times 6$ ins. 12 ins
in ground for $\frac{1}{4}$ sec cor. Marked $\frac{1}{4}$
on N. face. dug pits $18 \times 18 \times 12$ ins
E. & W of stone 3 ft. dist. & raised a md
of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft high N. of cor
80.00 Cor to secs 21, 22, 27 & 28. Land
mountainous 20 chs. Land rolling 60 chs
No timber.
-

N $0^{\circ} 2' W$. bet. secs 21 & 22 over
rolling ground.

- 40.00 set a lime stone $16 \times 12 \times 6$ ins.
10 ins in ground & for $\frac{1}{4}$ sec cor.
marked $\frac{1}{4}$ on W. face. dug pits $18 \times 18 \times 12$
ins N. & S. of stone 3 ft. dist. & raised
a md of earth $3\frac{1}{2}$ ft base. $1\frac{1}{2}$ ft high
W. of cor
80.00 Set a lime stone $26 \times 12 \times 10$ ins.
16 ins in ground for Cor to secs 15, 16
21 & 22 marked with 3 notches

on S. and 3 notches on E. Edges with
 30 N. on N.E. and 1 W. on S.E. faces
 + raised a md of stone 3 ft base
 + 3 ft. high W of cor. land rolling
 soil 4th rate. No timber (Oct 6th 1900)

Oct. 7: at 8^h 0^m a.m. L.M.T.
 I set off $5^{\circ} 27' S.$ on the decl arc
 $35^{\circ} 58' N.$ on the lat. arc and
 determine a true meridian with the
 Solar at the Cor. to sec. 15. 16. 21 + 22
 Thence I run ^{S.} $89^{\circ} 57' E.$ on a random
 line bet sec 15 + 22 Descending to Canon
 set temp $\frac{1}{4}$ sec cor.

40.00
 79.91
 Intersect N. & S. line 5 lks. N. of cor
 to sec. 14. 15. 22 + 23. Thence I run
 $N. 89^{\circ} 55' W.$ on a true line bet
 sec. 15 + 22 over mountain land
 thro dense undergrowth and scattering
 Cedars and pinons.

47

- 39.95 Set a lime stone $18 \times 12 \times 6$ ins. in
a md of stone. for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on N. face. Descends toward Canon
over very rough ground.
- 75.00 Bottom of Canon Course S. ascend.
- 79.00 Top of rocky bluff bears N. & S.
- 79.91 Cor to secs. 15, 16, 21 & 22. Land
mountainous ^{79.91} & chs. Dense undergrowth
^{79.91} & chs. Scattering pinons & Cedars
Soil 4th rat.
-

N. $0^{\circ} 2' W$. Set. Secs 15 & 16
over mountainous land. Thro.
dense undergrowth scattering
cedars & pinons.

- 40.00 Set a lime stone $18 \times 14 \times 6$ ins
in md of stone for $\frac{1}{4}$ sec. Cor.
marked $\frac{1}{4}$ on W. face from
which a pinon 12 ins diam
bears N. $53^{\circ} 30' W$. 83 lks, dist

marked $\frac{1}{4}$ S. 16 B.T. a pin on $\frac{1}{4}$ in
diam bears S. 10° E. 97 lks dist.

marked $\frac{1}{4}$ S. 15 B.T.

80.00 Set a lime stone $20 \times 8 \times 6$ ins.
12 ins in ground for Cor. to sec
9. 10. 15 & 16. marked with 4 notches
on S. & 3 notches on E. edges. dug
pits $18 \times 18 \times 2$ ins in each sec.
 $5 \frac{1}{2}$ ft dist. & raised a md of
earth 4 ft. base. 2 ft high W. of
Cor mountainous land so che
dense undergrowth so che
Cedars & pinons scattering
Soil 4th rate.

S $89^{\circ} 55'$ E. on a random line
bet secs 10 & 15. over mountainous
land thro dense undergrowth

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

79.90 Intersect N. & S. line 2 lks N

- of Cor to secs 10, 11, 14 + 15
 thence I run N. $89^{\circ} 54' W.$ on a true
 line bet. secs 10 + 15 ascending from
 Canon.
- 2.30 Top of bluff of Canon bears N.W. + S.E.,
 enter dense Cedars + pines.
- 19.00 Edge of bluff bears N. $10^{\circ} E$ + S. $10^{\circ} W$
 descend abruptly. leave timber.
- 25.00 Foot of bluff
- 25.50 Center of Canon 400 ft. deep Course S. $10^{\circ} W.$
- 26.00 Foot of bluff W. side. ascend abruptly
- 29.30 Top of bluff W. side. Canon bears N. $10^{\circ} E$ + S. $10^{\circ} W.$
- 39.95 Set a limestone 20x10x4 ins. in a md.
 of stone for $\frac{1}{4}$ sec. Cor marked $\frac{1}{4}$ on N
 fac. from which a pinon 8 ins diam
 bears N. $33^{\circ} 40' W.$ 114 lks. dist.
 marked $\frac{1}{4}$ S. 10. B.J. a pinon 8 ins
 diam. bears S. $13^{\circ} 20' W.$ 84 lks dist
 marked $\frac{1}{4}$ S. 15 B.J.
- 49.90 Cor. to secs 9, 10, 15 + 16 Land

79.90

Mountainous ~~50~~ chs Dense Cedars and
pinons 16 chs. Soil 5th rat. (Oct 7. 1900)

Oct. 8: at 8^h 0^m a.m. l.m.t.

I set off 5° 50' S. on the decl arc.
35° 59' N. on the lat. arc; and
determine a true meridian with
the Solar. at the Cor to secs 9. 10. 15 & 16
Thence I run N. 0° 2' W bet. secs
9 & 10. over mountainous land thro
dense undergrowth & burnt Cedars

- 10.00 Dense to Gulch.
- 20.00 Bottom of gulch Course W. ascend
- 26.00 Top of bluff of gulch bears E. & W.
- 40.00 Set a lime stone 16 x 10 x 6 ins
in md of stone 3ft high for $\frac{1}{4}$
sec cor. marked $\frac{1}{4}$ on W. face.
- 80.00 Set a lime stone 18 x 10 x 6 ins
in md of stone. 3ft high for cor to
secs 3. 4. 9 & 10 marked with

5 notches on S + 3 notches on E. edges
 Mountainous land 80 chs. Dense
 undergrowth 80 chs. Soil very rocky.

S. $89^{\circ} 54'$ E. on a random line bet
 secs 3 + 10 ascending over mountainous
 land thro dense undergrowth and
 scattering Cedars & pinons

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

80.04 Intersect N. & S. line 16 lks. S. of cor
 to secs 2, 3, 10 + 11. Thence I run
 S. $89^{\circ} 57'$ W. on a true line bet
 secs 3 + 10 over mountainous
 land thro dense undergrowth
 & scattering Cedars & pinons descending

30.00 Bottom of Canon Near its head course
 N. 75° W. ascend.

40.02 set a lime stone $14 \times 10 \times 4$ ins
 in md of stone for $\frac{1}{4}$ sec cor
 marked $\frac{1}{4}$ on N. face. from which

a pinon 6 ins diam bears

N. $14^{\circ}40'$ W. 35 lks dist. Marked $\frac{1}{4}$ S. 3 B. J.

a pinon 10 ins diam bears S. $26^{\circ}40'$ E

79 lks dist. Marked $\frac{1}{4}$ S. 10. B. J.

55.00 Bottom of Canon 500 ft deep. from
N. 75° E. to N. W. ascend

69.00 Top of bluff of Canon bears S E. & N. W.
Continue to ascend

72.00 Top of ascent. descend.

80.04 Cor to secs 3, 4, 9 & 10. Mountainous
land 80^{th} Cha. Dense undergrowth 80^{th} Cha.
Cedars & pinons scattering
Soil very rocky $\frac{4}{5}$ rate.

N. $0^{\circ}2'$ W on a random line bet
secs 3 & 4 over Mountainous land
very rocky. Thro dense undergrowth
and burnt Cedars

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

80.15 Intersect N. bdy. Tp. $\frac{44}{44}$ lks. E of cor

53

- To secs 3.4.33+34. Thence I run
 S. $0^{\circ} 19' E$. on a true line bet secs 3+4
 40.07 Set a line stone $14 \times 14 \times 6$ ins in mid
 of stone for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ on W
 face. from which. a Cedar 14 ins diam
 bears N. $30^{\circ} W$. 9 lks dist marked $\frac{1}{4}$ S. 4. 13
 a pinon 8 ins diam bears S. $6^{\circ} E$. 15 lks
 dist. marked $\frac{1}{4}$ S. 3 B J.
- 53.00 Top of bluff N side of Canon bears E. & W
 61.00 Bottom of Canon 500 ft. deep Course ^{ascend} W. & N
 67.50 Top of bluff S side bears E. & W.
 80.15 Cor to secs 3.4.9 + 70. Mountainous land
 80th chs. dense undergrowth 80th chs.
 Cedars & pinons scattering. Soil very
 rocky 4th. (Oct 8. 1900.)

Oct 9: at 8^h 0^m A. M. L. M. J.
 I set off $6^{\circ} 13' S$. on the decl. arc
 $35^{\circ} 55' N$ on lat. arc. and determine
 a true meridian with the solar

at the cor to secs 4, 5, 32 & 33.
^{line} ^{I run}
 N. $0^{\circ} 3' W.$ bet secs 32 & 33 over
 rolling land.

40.00

Set a lime stone $16 \times 10 \times 4$ ins.
 10 ins in ground for $\frac{1}{4}$ sec. cor.
 Marked $\frac{1}{4}$ on W. face. dug pits
 $18 \times 18 \times 12$ ins N. E. of stone 3 ft dist.
 & raised a md of earth $3\frac{1}{2}$ ft base
 $\frac{1}{2}$ ft high W. of cor.

80.00

Set a lime stone $18 \times 10 \times 6$ ins ^{12 ins.} in ground
 for cor to secs 28, 29, 32 & 33. Marked
 with 1 notch on S. and 4 notches
 on E edges. dug pits $18 \times 18 \times 12$
 ins in each sec $5\frac{1}{2}$ ft. dist & raised
 a md of earth 4 ft. base. 2 ft.
 high W. of Cor. Land rolling. Not timber
 Soil 3rd rate.

55

- N. $89^{\circ} 57' E$ on a random line bet secs.
28 + 33 over rolling land
- 40.00 Set temp $\frac{1}{4}$ sec cor.
- 79.87 Intersect N.T.S. line 20. lks N of cor. to
secs 27, 28, 33 + 34. thence I run
N. $89^{\circ} 54' W$. on a true line bet. secs
28 + 33. over rocky land & thro dense
undergrowth
- 39.94 Set a lime stone $14 \times 8 \times 6$ ins. 9 ins
in ground for $\frac{1}{4}$ sec. Cor marked $\frac{1}{4}$
on N. face dug pits $18 \times 18 \times 12$ ins
E + W. of stone 3 ft. dist & raised
a md of each $3\frac{1}{2}$ ft base. $1\frac{1}{2}$ ft high
N. of cor.
- 70.00 Leave dense undergrowth
- 79.87 Cor to secs 28, 29 32 + 33
land rolling & rocky
Dense undergrowth 70 chr
Soil $4\frac{1}{2}$ rats
No timber.

N. 0° 3' W bet secs 28 & 29
over rolling land

40.00 Set a lime stone 20 x 10 x 6 ins.
12 ins in ground for $\frac{1}{4}$ sec cor
marked $\frac{1}{4}$ on W. face. dug pits
18 x 18 x 12 ins N & S of stone 3 ft
diam. & raised a mound of earth $3\frac{1}{2}$ ft
base. $1\frac{1}{2}$ ft. high W. of Cor.

80.00 Set a lime stone 20 x 10 x 8 ins
12 ins in ground for Cor to secs 20, 21
28 & 29 marked with 2 notches on
S. and 4 notches on E. edges dug
pits 18 x 18 x 12 ins in each sec
 $5\frac{1}{2}$ ft diam & raised a mound of earth
4 ft. base. 2 ft. high W of Cor.
Land rolling
Soil $3\frac{1}{2}$ rods
No timber

57

- S. $89^{\circ} 54' E$ on a random line bet
secs 21 & 28 over rolling land.
- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 80.08 Intersect N. & S. line 12 lks. S. of cor
to secs 21, 22, 27 & 28. Thence I run
N. $89^{\circ} 59' W$ on a true line bet secs
27 & 28. over rolling land.
- 38.00 Foot of rocky hill. ascend thro dense
undergrowth & scattering Cedars & pines.
- 40.04 Set a line stone 18x10x6 ins. in md
of stone for $\frac{1}{4}$ sec cor. Marked $\frac{1}{4}$ on N. face
- 46.00 Top of steep rocky hill descend.
- 61.00 Foot of hill.
- 80.08 Cor to secs 20, 21, 28 & 29
Land rolling 57 Chs.,
Land mountainous 23 $\frac{1}{2}$ Chs.,
Dense undergrowth 23 $\frac{1}{2}$ Chs.

N. $0^{\circ}3'$ W. bet secs 20 & 21
over rolling land

- 1.00 Foot of steep rocky bluff of mesa
ascend thro dense undergrowth
- 3.00 Top of mesa bears E. & W.
- 40.00 Set a lime stone $24 \times 10 \times 8$ ins.
15 ins in ground for $\frac{1}{4}$ sec. cor
marked $\frac{1}{4}$ on W. face. dug pits $18 \times 18 \times 12$
ins. N & S. of stone 3ft. dist & raised
a md. of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft.
high W. of Cor.
- 80.00 Set a lime stone $18 \times 10 \times 6$ ins. in
a md of stone 3ft high for Cor. to
secs 16, 17, 20 & 21. Marked with 3 notches
on S. & 4 notches on E. edges
Land mountainous 79 Chs
Dense undergrowth 79 Chs
Soil rocky 4th rats

Oct 9, 1900