

Book ~~111~~

Subdivisions of T. 16 N., R. 5 E.

No. - 196

196

4-671

FIELD NOTES

GENERAL LAND OFFICE

CONTRACT NO. 105

No-196 1

Field Notes
of the
Survey of the
Subdivision lines

of
S. 16 N. R. 5 E. G. & S. R. 21.

as surveyed by
James B. Girard.

and

Park W. Latimer.

under their contract

No 101.

Dated June 30. 1902

Survey commenced Sept 3
Survey completed Sept 13

1A

Names and duties of assistants

C. G. Fritzsche Chairman

T. B. Bath Chairman

G. S. Gilman Alman

J. W. Hanson Flagman

PRELIMINARY OATHS OF ASSISTANTS.

We, J. R. Bath
and A. Fritsche

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 distance to all notable objects, and the true length 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

subdivision lines of Township
No 16 North Ranges 5, 6 and 7
East and of Sec 1. Township
No 15 N. Range 5. E.

of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

J. R. Bath, Chainman.
A. Fritsche, Chainman.
_____, Chainman.
_____, Chainman.

Subscribed and sworn to before me this 20th day
of August, 1902.

W. P. ...

Notary Public.

[SEAL.]

My Commission expires April 16, 1905.

We, W. W. Johnson

and G. H. Gilmore

do solemnly swear that we will well and truly perform the duties of
flagman and axmen, 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 subdivision lines of
townships No 16 North Ranges
5, 6 and 7 East; and of part of
township No 15 North Range
East

of the Gila and Salt River Base and Meridian, in the Territory of
Arizona.

W. W. Johnson, Flagman.

G. H. Gilmore, Axman.

_____, Axman.

_____, Axman.

Subscribed and sworn to before me this 20th day
of August, 1902

W. H. Freedson

Notary Public.

My Commission expires April 16, 1905.

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1. D Subdivision of T. 16 N. R. 5 E

Chs.

Survey commenced
 Sept 3 1902 at 8 A.M. L.M. 7.
 Part of $34^{\circ}45'36''$ ^{as Det. by my Inst.} on lat. arc
 and $7^{\circ}46'17''$ on decl. arc.

Ch.

determine true surr.
 with solar, at cor of secs.
 1-2-35 & 36, on S. bdy of Sp.
 Thence Surr

N. 1' W.

on a true line

bet. secs. 35 & 36.
^{Mag. Declination $18^{\circ}44' E$}
 Over cut. land through
 scattering cedar timber

Ascending

1.00

Top of ridge

10.30

Ravine & course S. E. and
 ascend

25.25

Top of ridge, and descend

26.00

Ravine

27.00

Top of ridge

G. & S. R. Mex. Arizona

- Dis. 29.50 Ravine course E. to Dry Beaver Creek
- 34.00 Top of ridge and descend.
- 36.30 Dry wash, 70 lbs wide and ascend course S. E.
- 40.00 1/4 cor. Set a Malpais stone 14 x 12 x 6 ins 18 ins in the grid for 1/4 sec. cor. with 1/4 on N. face.
From which,
A cedar 6 ins in diam bears N. 35° 20' W. ⁶⁶ with 1/4 S. 35 B. S. - No others near.
And raise a mid. of stone 2 ft base 1 1/2 ft high N. of cor.
Pit's impract
- 41.00 Top of ridge and descend
- 47.50 Dry wash 20 lbs wide - course E.

Subdivision of S 16 N.

Chs 53.35 Prairie-course E. 15-lbs.
wide.

159.20 Dry wash ~~10~~ lbs wide
course S. E.

Ascend

46.00 Top of ridge & descend

86.00 Set a red sandstone 18x12

x4 ins 10 ins in the grid
for cor. of secs. 25 & 26-35
& 36 with 1 groove
on S. & E. edges

From which,

A cedar 10 ins in diam.

bears N. 35° 20' E. 168 lbs

dist. with S 16 N. R. & E. S

25 B. S.

No others in limits;
and raise a mound of earth
3 ft base 2 ft high N. of
cor. Dig pits 18x18x12 ins.

R. 5 E. G. & S. R. Mer. Arizona

chs.

in each sec. 5 1/2 ft dist.
W/2 land 80 chs.
Soil 3 & 4 rate
Scattering cedar &
palo verde underbrush
Timber scattering cedar,

E. on a random line.

Bet. secs. 25 & 36.

40.00

Set temporary 1/4 cor.

80.04

Intersect cor of secs.

25-30-31 & 36, 2 chs W of cor.

Thence Run,

W ✓

N. 89° 59' W. on a true line

Bet. secs. 25 & 36.

over mts. land.

2.30

Dry Beaver Creek -
course S. W. 150 lks wide.

12.00

Top of ridge & descend.

16.70

Dry wash 100 lks wide,

Sub-division of S 16 N.

Chs.

course S. E.

ascend -

17.45

Wagon road Dry Beaver
Creek to Sheridan's, on
Oak Creek. N and S

28.15

Prairie course S. E. 20 lbs.
wide.

40.02

Set a red sandstone 24 x
8 x 6 ins, 18 ins. in the grid
for $\frac{1}{4}$ sec. cor. with $\frac{1}{4}$ on
N jaw -

From which

A cedar 18 ins. diameter
bears S. $52^{\circ}20'$ E. 55 lbs
dist. with $\frac{1}{4}$ S. 36 B. I.A cedar 10 ins. diameter
bears N. $80^{\circ}10'$ W. 142 lbs
dist. with $\frac{1}{4}$ S. 25 B. I.

45.77

Top of ridge and descend

47.80

Prairie course S. E.

R. S. C. L. & L. R. Mer. Ariz.

As. 59.00 Top of ridge & descend
 69.40 Ravine course S. E. & N. W.
 80.04 The cor of secs. 25-26-35
 & 36.

Wts. land 80.04 chs.
 Soil 3 & 4 rate
 Scattering cedar timber.
 Dense cedar & cat-claw
 underbrush.

N. 1' W. bet. 25 & 26.

over mt. land -

Ascending N. slope of
 high Malpai ridge.

13.20 Wash-course S. W. 18 lbs.
 wide - and ascend.

46.08 Set a malpai stone
 20x14x4 ins. 14 ins in the
 gid. for $\frac{1}{4}$ cor. wkd $\frac{1}{4}$ on
 N. face.

Sub-divisions of T. 16 N.

Chs.

From which -

A cedar 5 ins in diam
bear S. 22° W. 29 lbs. dist.
width $\frac{1}{4}$ S. 36 B. L.

A cedar 4 ins in diam.
bear S. 56° 15' E. 51 lbs. dist.
width $\frac{1}{4}$ S. 25 B. L.

43.10

Top of ridge and descend.

46.15

Ravine - course N. & ascend.

49.70

Top of ridge & descend.

55.90

Ravine, bears E. - course W.

61.50

Top of ridge & descend.

67.30

Ravine - course S. W. - 20
lbs wide.

78.60

Top of ridge & descend.

80.00

Set a well paid stone

18 x 12 x 4 ins. 11 ins. in the
grid for cor. of sec. 23-24-
25 & 26 and with 2 bolts
on S. & 1 on E. edges.

R. 5 E. G. & S. R. W. W.

Chs.

Whence-

A cedar 8 ins in diam.
 bears S. $8^{\circ}30'$ E. 92 lbs dist.
 uphd S. 16 W. R. 5 E. S. 25 P. S.

A cedar 4 ins in diam
 bears N. $83^{\circ}10'$ E. 52 lbs.
 dist. uphd S. 16 W. R. 5 E.
 S. 24 P. S.

A cedar 9 ins in diam.
 bears N. $27^{\circ}30'$ W. 190 lbs
 dist. uphd S. 16 W. R. 5 E.
 S. 23 P. S.

A cedar 12 ins in diam.
 bears S. $47^{\circ}20'$ W. 100 lbs
 dist. uphd S. 16 W. R. 5 E. S. 26
 P. S.

Sand into 80 lbs.

Loil 4 rate

Dense cedar timber.
Chico under brush.

9.

BOOK 1906

Sub-divisions of L. 167.

Chs.

S. 89° 59' E. on a
random line - bet. secs.
24 & 25.

40.00

Set temporary $\frac{1}{4}$ cor.

79.96

Sub-set cor. of secs. 19-
24-25 & 30 at 2 lks S. of cor.

W

Shower Line ~~S.W.~~

on a true line.

bet. secs. 24 & 25.

4.45

Wagon road to Shermans
U. & S.

5.50

Branch of Dry wash
- 30 lks wide -
course S. W.

18.00

Begin to ascend hill.

30.80

Ravine - course N. W.
and ascend.

39.98

A rock in place on
side of bluff 30 x 20 x 8 ins

R. S. C. ¹⁹⁰⁶ G. & S. R. W. W.

10.

Chs.

above the grid.

Wh a xat exact cor. pt.
and dist $\frac{1}{4}$ U. of same
Whence

A cedar 6 ins in diam
bears N. 35° W. 12 lbs dist.
ruled $\frac{1}{4}$ S. 24 B. S.

A cedar 4 ins in diam.
bears S. $44^{\circ} 20'$ E. 23 lbs
dist. ruled $\frac{1}{4}$ S. 25 B. S.

Raise a rid of stone
2 ft base $\frac{1}{2}$ ft high N. of
cor.

52.50

Top of high malpaicut.

59.00

Descend-steps

79.96

Cor. of secs. 23-24-25
& 26.

Wt's laid 79.96 chs.

Soil rocky & 4 rate
Dense cedar timber.

11

BOOK 1906

Sub. divisions of T. 16 N.

Chs.

Chico and oak brush.

79.96 chs.

Sept 3 1902.

Sept 4th 1902 at 8 A.M.l. m. t. Set off $34^{\circ}48'$ overlat. arc, $5^{\circ}24'$ rounded.

arc, and determine a

true meridian with

solar, at the cor of secs.

23-24-25 & 26.

Thence True

N. $0^{\circ}1'W$

on a true line

bet secs 23 & 24

1.60

Ravine ^{through the dense brush & cedar timber} 20 lbs wide -

course N.

4.50

Ravine 20 lbs wide -

course N.

15.00

Ravine 15 lbs wide -

course N.

R. S. E. G. & S. R. M. W.

Chs.

40.00

Set a malpai stone
20x14x7 ins. 14 ins in
the grid for $\frac{1}{4}$ sec. cor.
wkd $\frac{1}{4}$ on N. face.

From which.

A cedar 3 ft in diam.
bears S. $65^{\circ}15'$ E. 31 lbs.
dist. wkd $\frac{1}{4}$ S. 24 B.T.

A cedar 30 ins. in diam.
bears N. $67^{\circ}30'$ W. 28 lbs.
dist. wkd $\frac{1}{4}$ S. 23 B.T.

53.15

Dry wash - course S.
15 lbs wide.

79.15

Dry wash course N. E.
20 lbs wide.

80.00

Cor. of secs - 13-14-23 &
24.

Set a red sandstone
24x20x6 ins 16 ins in
the grid wkd with 3

Sub-divisions of T. 16 N.

Chs.

grooves on S. & on E.
Edges.

From which

A cedar 8 ins. in diam.
Bears S. $57^{\circ}30'$ E. 104 lbs
dist. up rd T. 16 N. R. 5 E.
S. 24 B. T.

A cedar 18 ins. in diam.
Bears N. $35^{\circ}15'$ E. 316 lbs
dist. up rd T. 16 N. R. 5 E.
S. 13 B. T.

No other trees in limits
Dig pits 18 x 18 x 12 ins.
in rows 14 & 23, and
raise a rim of earth
3 ft base - $2\frac{1}{2}$ ft high
W. of cor.

W. land covered with
dense underbrush 80.00 chs
Scattering cedar timber.

R. 5 E. G. & S. R. Mer.

Chs. Soil 4 rate

E. on a random line
bet. secs 13 & 2440.00 Set temporary $\frac{1}{4}$ cor.80.00 Fall 8 lbs $\frac{1}{2}$ of cor of secs
13-18-19 & 24-

Thence True

N. $89^{\circ} 57' W.$ on a true line
bet. secs 13 & 24through dense chics &
sage & brush.8.75 Old wagon road. bears
S. E. & W. N.

9.75 Dry wash course N. E.

14.35 Ravine - course S. E.

18.10 Dry Wash - course S. E.
12 lbs wide.

40.00 Set a red sandstone

15

Sub-divisions of T. 16 N.

Chs.

~~63.00 → 40' x 40' wide course A.~~

78 x 14 x 5 ins. 12 ins in

the grid for $\frac{1}{4}$ sec. cor.width $\frac{1}{4}$ on N. face.

Sug pits 18 x 18 x 12 ins,

E. & W. 3 ft dist. and

raise a rid of earth 3 ft

base 2" ft high - 1/4 of cor.

Cor. of sec. 13-14-23 & 24.

Said rolling area
80 chs.

Dense chico & cedar

brush. 80 chs.

Soil 1 & 3 rate.

Cedar timber.

N. 0' 1' W.

bet. sec 13 & 14

over cut land-

through dense cedar
timber & chico brush.

63.00 →

80.00

~~40' x 40' wide course B.~~

BOOK 196
R. S. C. G. & S. R. W. W.

16.

Chs.

6.95

Wagon road - bears S. C.
& N. W. Beaver Head to
Serranus.

8.00

Dry wash course E -
10 lks wide.

11.30

Dry wash course E -
10 lks wide.

24.60

Dry wash course S. C.
50 lks wide.

40.00

Set a red sandstone
12x10x4 ins 8 ins in the
grid. for $\frac{1}{4}$ sec. cor. used
 $\frac{1}{4}$ on N. face.

Dig pits 18x18x12 ins.
N & S. of cor. 3 ft dist.
and raise a mid of earth
2 ft base $\frac{1}{2}$ ft high N of
cor.

47.50

Ravine - course. E - 10 lks
wide.

Sub-divisions of T. 16 N.

chs.
 53.15
 75.60
 79.60

Same Ravine - course S. W.

Ravine - course S. W.

As pt for sec. cor. falls
in a ravine 30 fms wide
course S. W. Lenta

red sandstone 24x10x8
ins. 16 ins in the grid.

for witnesses cor. to cor.
of secs. 11-12-13 & 14, marked
with 4 notches on S. W. C.
on N, and notch on
E edges.

Whence —

A cedar 8 ins. in diam.
bears S. $74^{\circ} 35'$ W. 105 fms.
dist. marked T. 16 N. R. 5 E.
S. 14 N. E. B. S.

A cedar 4 ins. in diam.
bears N. $41^{\circ} 30'$ W. 183 fms
dist. marked T. 16 N. R. 5 E.

R. 5-~~6~~ 1906, 1906, Mar.

Chs.

S. 11 N. E. B. 1.

A cedar 8 ins. in diam.
bears S. 89° E. 95 lbs
dist. rwd S. 160. R. 5 E.

S. 13 N. E. B. 1.

No other trees were.

Dig a pit 18x18x12 ins.

in sec. 12 & raise a

rid of stone & earth

3 ft base 2 ft high 70 of
cot.

Land not covered
with dense chips &
sage brush. 80 chs.

Soil 2 & 3 rate

Dense cedar timber

S. $89^{\circ}57'$ E.

on a random line

bet. sec. 12 & 13.

19

Sub-divisions of T. 16 N. R.

Chs.
40.00
79.90

From cor. ht. in wash.
Set temporary $\frac{1}{4}$ cor.
Intersect Sp. cor. 18 lbs
N. - Thence S run $\angle 89^\circ$
49' N. on a true line -
over cut's land -

Through dense chico
bush & cedar timber.

Ascending -

33.80

Foot of a high sandstone
bluff, and begin to
ascend rapidly to slope

3.9.60

As pt for $\frac{1}{4}$ cor. 39.95 chs.
falls on a molten lava
bed. Set a witness cor,
a red sandstone 30x16x6
ins, 22 ins in the grid.
for witness cor. for $\frac{1}{4}$
cor. ruled N. E. $\frac{1}{4}$ on
N. face
Thence -

- Chs. A cedar 6 ins in diam.
 bears bears S 80° 15' W
 18 lbs dist. ukd. N. E.
 1/4 S 13 B. I.
- A cedar 6 ins in diam
 bears N. 60° W. 28 lbs
 dist. ukd 1/4 S 12 N. E. B. I.
- 39.95 Pt for 1/4 cor.
- 48.75 Top of high bluff and
 descend
- 59.50 Descend more gradual.
- 77.35 Ravine covered S. W.
- 79.90 Follow pt for cor of
 sec. 11-12-13 & 14 in
 ravine.
- W^{ts}, and land covered
 with dense under-
 brush and cedar timber
 79.90 chs.
 Soil 3 & 4 rate

21.

BOOK

1967

Sub-divisions of T. 16 N

Cls.

N. $0^{\circ} 1' N$.

bet secs 11 & 12.

over ruts. land

from cor. pt. ~~in~~ wash.

1.50

Begin steep ascent of
perpendicular red sand-
stone mt.

10.40

Top of perpendicular bluff
and begin descent.

38.00

Cave - 50 ft deep -
perpendicular walls.

39.20

N. wall

40.00

Set a red sandstone
24x18x6 ins. 18 ins. in the
grid, for $\frac{1}{4}$ cor. rwd $\frac{1}{4}$
on N. face.

From which -

a cedar 6 ins. in diam.
bear N. $75^{\circ} W$. 15 lbs dist.
rwd $\frac{1}{4}$ S. 11 B. S.

Cho.

Redwood bears S 68° 20' E.
10 ins. in diam. used 1/4
S. 12 B. L. 18 lbs dist.

Begin steep ascent

42.00

Top of precipitous mt.

52.40

Begin descent into canon.

58.00

Bottom of canon, &
begin to ascend. course W.

74.45

Intersect 4 Standard

Parallel U. at a pt. U.

89° 51' W. 11.45 chs. dist.

from stand. cor. of S. 17

U. R's 5 & 6 E. I like a

cross on a solid sand-

stone in place 2 ft above

grid, 10 ft U. & S. & 20 ft

E. & W. 1 notch on E. &

5 notches on W. Closing

cor. S. of cross.

Raise a ridge of stone 3 ft

Sub-divisions of T. 16 N.

chs. high - 2 ft base S. E. of
 cor. It is possible to set
 S. Mt's land 74.45 chs.
 PITS IMPACT. NO TREES in limits
 Soil 4 rate - Timber cedar.
 Underbrush - cedar. Sept 4 1902

Sept 5th 1902 at 8 A.M.
 l. w. t. Set off $34^{\circ}45' N$ "
 on the lat arc. $7^{\circ}02' N$
 on the decl arc, and
 determine true mer,
 with solar. -

At the cor. of secs. 34 &
 35 on the S. Side of Tp.
 Thru S. land
 $110^{\circ}1' N$.

Set sec. 34 & 35.
 over mt's land
 through dense clods
 and cedar brush.
 Ascending -

Chs.
15.35

Old wagon road from
Verde River to Beaver
Head - course E. & W.

16.20

Dry wash course S. E. &
N. W.

31.10

Dry wash - course S. W.

40.00

Set a malpai stone
20 x 10 x 8 ins. 12 ins in
the grid for 1/4 sec. cor.
rked 1/4 on N. face,
Whence -

Acacia 6 ins in diam.
bearing S 65° 30' E. 254 lbs
dist. rked 1/4 S. 35 B. L.

Acacia 4 ins. in diam.
bearing N. 56° W. 272 lbs
dist. rked 1/4 S. 34 B. L.

64.10

Dry wash - course E. -
48 lbs wide, and
ascend rapidly.

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Sub. divisions of T. 16 N.

Chs.

80.00

Set a malpai stone -
 20x10x4 ins. 14 ins in the
 grid for cor of sec. 26-
 27-34 & 35, rick'd with
 1 groove on the S, & 2 on
 the E. edges

Where -

A cedar 4 ins. in diam
 bears N. $37^{\circ}30'N$. 7 lks
 dist. rick'd. T. 16 N. R. 5 E.
 S. 27 B. T.

A cedar 4 ins in diam.
 bears S. $40^{\circ}W$. 267 lks dist.
 rick'd T. 16 N. R. 5 E. S. 34
 B. T.

A cedar 18 ins in diam
 bears S. $45^{\circ}15'E$. 136 lks.
 dist. rick'd T. 16 N. R. 5 E.
 S. 35 B. T.

A cedar 12 ins in diam.

BOOK 1976
 A. 5 E. Q. 7 S. R. 11 W.

Ans.

Tras N. $46^{\circ}30'$ E. 111 lks
 dist. rickd S. 16 N. R. 5 E. S.
 26 B. T.

Wts. or land covered
 with dense cedar,
 mesquite & chico brush
 80 chs.

Timber cedar.

Soil 20 3 rate.

E. on a random line
 bet secs. 26 & 35

40.00

Set temporary $\frac{1}{4}$ cor-

79.94

Falls 7 lks. N of cor of secs.
 25-26-35 & 36.

Thence S. 100

N. $89^{\circ}57'$ W

in a true line
 over rick's land

through dense cedar

Sub-divisions of T. 16 N.

- Chs. bush and timber -
bet secs 26 & 30 -
- 6.20 Ravine - course S. E.
9.95 Top of ridge & descend
13.30 Ravine course S. E. &
ascend.
- 17.50 Top of ridge & descend -
20.70 Ravine course N.
23.30 " " N. E.
24.10 " " S. E.
24.75 " " N. E. & ascend
steep.
- 39.97 Set a malpai stone
20x10x8 ins. 14 ins in the
grid, for $\frac{1}{4}$ sec, cot, rkd
 $\frac{1}{4}$ on N. line
From which -
a cedar 4 ins. in diam.
trans N. 34° 45' W. 38 lbs
dist. rkd $\frac{1}{4}$ S. 26 B. T.

P. 5 C. G. & S. R. Allen

Chs

Wooters in limit -
and raise a mid of stone
2 ft base $1\frac{1}{2}$ ft high
N. of cor. Pits - in pract.

47.50 Top of mt. & descend.

69.84 Dry wash - 45 lbs
wide - course s. &
ascend

79.94 The cor of sec. 26-27-
34 & 35 -

Woods - or land covered
with dense cedar
brush & timber -

79.94 chs.

Soil rocky - 4 rate.

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BOOK 196

Sub-divisions of T. 16 N.

Chs

N. $8^{\circ} 1' W$.

Bet. secs. 26 & 27.

over mts. land

Ascending.

22.20

Top of mt. & begin gradual descent.

40.00

Set a malpai stone
16 x 12 x 5 ins 11 ins in the
grd for $\frac{1}{4}$ cor. wkd $\frac{1}{4}$
on N. face.

From which

A cedar 10 ins. in diam.
bears N. $53^{\circ} 10' W$. 215 lbs.
dist. wkd $\frac{1}{4}$ S. 27 B. T.A cedar 4 ins in diam
bears N. $28^{\circ} 15' E$. 215 lbs.
dist. wkd $\frac{1}{4}$ S. 26 B. T.

55.00

Rim of canon & descend.

74.10

Bed of canon course S. E.

R. & C. G. & S. R. Wren

Chs. 400 ft deep. Precipitous walls.

Begin ascent.

80.00

Set a walpai stone

30 x 10 x 6 ins 20 ins in
the grid for cor of secs.
22-23-26 & 27, Mark 2
notches on S & E. edges
Thence -

A cedar 4 ins in diam
bears S. $85^{\circ}30'$ E. 102 lbs
dist. rock S. 16 N. R. & E.
S. 26 P. S.

A cedar 4 ins in diam
bears N. $29^{\circ}45'$ W. 148 lbs.
dist. rock S. 16 N. R. & E.
S. 22 P. S. Pit's Impact.

No others wear.

Raise a rod of stone
2 ft base $1\frac{1}{2}$ ft high.

Sub-divisions of S. 16 T.

chs.

N. of cor. This cor. is on
N. bank of canon

Wets land 80 chs.

Dense cedar timber
and scrub cedar brush
80 chs.

Soil 4 rate

S. 89° 57' 0"

on a random line

bet. secs. 23 & 26

over wet's land.

40.00

Set temporary $\frac{1}{4}$ cor.

80.04

Fall 8 lbs S. of cor of
secs. 23-24-25 & 26

Thence S. run N. on a
true line bet secs 23 &
26 over wet's land.

Ascending

Top of mt. thence along

- Chs. S. W. slope
20.00 cross wash 20 lbs
wide course S. E.
Thru as crud
- 24.12 Top of ridge - N. & S.
and descend
- 28.65 cross wash course S.
and ascend.
- 40.02 Set a walpai stone
24 x 12 x 4 ins. 18 ins. in
the grid. for 1/4 cor. r. k. p.
1/4 on N. face.
Thruce
A cedar 4 ins. in diam
bears N. 85° 34' E. 49 lbs
dist. r. k. p. 1/4 S. 23 P. S.
A cedar 10 ins. in diam
bears S. 31° 30' W. 188 lbs
dist. r. k. p. 1/4 S. 26 P. S.
- 49.00 Top of cut. N. slope -

Sub-divisions of T. 16 N.
BOOK 196

Chs. and descend.
69.75 Cross draw course N.
80.04 The cor of secs. 22-23-26-8
27-

Wb's land 80.04 chs.
Soil 4 rate
dense cedar timber
Underbrush scrub cedar

Sept 5 1902.

Sept 6th 1902 8 a.m.
Lm't set off $34^{\circ}47'$ on the lat arc
 $6^{\circ}40'$ on decl. arc, and
determine true mer. with
the solar. at the cor of 22
23-26-8-27.

Thence True -

N. $0^{\circ}1' W.$ bet secs. 22
& 23 over wb's land.

According steep S. W. slope.
of mt through

Chs. scattering cedar timber
9.00 Top of ridge - bears N. W. &
S. E.

21.15 Cross draw - course S. E.
bears N. W. and ascends
over rolling mts.

40.00 Set a walrus stake
20x16x4 ins. 15 ins in
the gr'd. up'd 1/4 on N.
face
Whence

A cedar 12 ins in
diam. bears S. 70° 30' E.
33 lbs. dist. up'd 1/4 S 23
B. S.

A cedar 6 ins. in diam
bears S 71° 05' W. 75 lbs.
dist. up'd 1/4 S. 22 B. S.

42.05 Cross same draw course
S. W.

Sub-divisions of S. 16 N.

Chs.
43.70

cross same draw bars
S. E. + N. W.

55.00

Draw-cours S. E.

80.00

Set a nail pair tower
18x16x4 ins. 12 ins. in the
grid for cor of sec. 14-15-
22 & 23. rnk'd with 3
notches on S. & 2 notches
on E. edges

Whence-

A cedar 8 ins. in
diam. bears N. 31° 15' E.

91 lbs. dist. rnk'd S. 15 N.
R. 5 E. S. 14 B. S.

A cedar 12 ins. in diam.
bears S. 82° 25' E. 44 lbs
dist. rnk'd S. 16 N. R. 5 E. S. 23
B. S.

A cedar 24 ins. in diam.
bears S. 37° 54' N. 127 lbs

Chs. dist. wkd. T. 16 W. R. 5 E.
S. 22 B. T.

A cedar 4 ins in diam.
bears N. 79° 10' W 68 lbs.
dist. wkd. T. 16 W. R. 5 E.
S. 15 B. T.

Sand pits 80 chs.
Soil rocky - 4 rate
cedar timber
Scrub oak & cedar
underbrush.

C. on a random line
bet sec. 14 & 23

40.00 Set temporary 1/4 cor.

80.28 Intersect N. & S. line
8 lbs. S. of cor. of sec.

13-14-23 & 24

Thence S. 89° 57' W. ascending

S. 89° 57' W. ascending

Sub-divisions of T. 16 N.

cho 12.00 Top of mt. over rolling
top

34.00 Descend steeply

40.14

Set a malpai stone
18x8x5 ins. 12 ins in the
grid for $\frac{1}{4}$ cor. mark $\frac{1}{4}$
on N. face

Raise a rod of stone
2 ft base $1\frac{1}{2}$ ft high
W. of cor.

Pls intact.

No trees in limits

Descend E. slope of
mt.

80.28

The cor of secs. 14-15-
22 & 23 -

Wb-land. 80.28 cho.
Soil rocky - 4 oak -
Timber Cedar -
Sour oak bush.

R. S. C. G. & S. R. Mer

Chs.

N. 5° 1' W.

on a true line

bet secs. 14 & 15.

over rolling mt. tops

through heavy cedar timber.

46.00

Set a small piñon stone

24 x 18 x 4 ins. 18 ins in dia

grd. for 1/4 cor. rock

1/4 on N. face

1/4 W. face

A piñon 15 ins in diam.
 bears S. 35° 05' E. 29 lbs.
 dist. rock 1/4 S. 14 B. T.

A piñon 12 ins in diam.
 bears S. 47° 30' W. 75 lbs
 dist. rock 1/4 S. 15 B. T.

51.50

Wash-course N. E.

72.95

" " " "

77.90

" " S. E. 15-lbs

wide, and along rough

Sub-divisions of T. 16 N.

Chs.

80.00

broken E. slope of cut.
 Set a sandstone 22 x 12 x
 7 ins. 16 ins. in the grid.
 for cor. of sec. 10-11-14
 & 15 wk'd. 4 notches on
 S. & 2 notches on E edges.
 Where-

A pinon 6 ins. in diam
 bears N. $70^{\circ}40'$ E. 191 lbs
 dist. wk'd T. 16 N. R. 5 E. S. 11
 B. S.

A cedar 6 ins. in diam.
 bears S. $36^{\circ}30'$ E. 26 lbs.
 dist. wk'd T. 16 N. R. 5 E.
 S. 14 B. S.

A pinon 4 ins in diam
 bear S. $24^{\circ}05'$ W. 48 lbs
 dist. wk'd T. 16 N. R. 5 E.
 S. 15 B. S.

A pinon 7 ins. in diam.

R. 5^c. G. & S. R. Mer

Chs. Feas N. $45^{\circ} 55' W$. 85 chs.
 dist. up rd S. 16 N. R. 5^c.
 S. 10 B. S.

Land cuts 80 chs.
 Soil rocky - 4 rate
 Cedar timber.

N. $89^{\circ} 57' E$.

on a random line
 bet. secs. 11 & 14

40.00

80.84

Set temporary $\frac{1}{4}$ cor.
 Fall 7 chs. S. of cor of secs.
 11-12-13 & 14. Pt. for cor.

in wash

Shrubs from ^{N. $89^{\circ} 57' W$} bet. secs.

11 & 14 on a true line
 over cuts land - through
 cedar timber and
 oak brush.

57704 W

Sub-divisions of T. 16 N.

Chs.
40.02

Set a sandstone 24x18x
8 ins. 18 ins in the grid
for $\frac{1}{4}$ cor. wkd $\frac{1}{4}$ on N.
face.

Volume

A cedar 6 ins in diam.
bears S. $45^{\circ} 45'$ E. 129 lbs
dist. wkd $\frac{1}{4}$ S. 14 B. S.

A pinon 8 ins in diam.
bears N. 44° W. 67 lbs
dist. wkd $\frac{1}{4}$ S. 11 B. S.

53.50

Road-bears N. & S.

80.04

Cor of secs. 10-11-14 & 15-

W^{1/2} land 80.04 chs.

Soil rocky - 4 rate

Cedar timber - oak
brush.

R. & C. G. & S. R. Wren

Chs.

N. 0° 1' W.

on a true line

bet secs. 10 & 11

over into land

along rough-broken
E. slope - through
cedar timber & oak
brush.

3.50	Wash-course S. E. 15 lks.
5.00	" " " " "
13.00	" " E. " "
22.00	" " N. E. " "
26.50	" " E. 18 "

Set a sandstone 24x15x
5 ins 18 ins in the grid
for 1/4 sec. cor. marked 1/4
on N. face.

Where.

A pinon 6 ins in diam
bears N. 24° 50' E. 128 lks

Sub. divisions of T. 16 N.

Chs.

dist. $\text{rwd } \frac{1}{4} \text{ S. 11 B. T.}$
 A cedar 6 ins. in diam
 bears N. $84^{\circ} 45' \text{ W. 22 lbs.}$
 dist. $\text{rwd } \frac{1}{4} \text{ S. 10 B. T.}$

42.00

Cross wash - course E.

72.00

Old road bears N. N. & S. E.

74.53

Intersect 4 Standard

Parallel N. at a pt. N.

$89^{\circ} 54' \text{ W. 10.85 chs. dist.}$

10.85

from Standard cor. of
 secs. ~~35~~ 36 T. 17 N. R. 5 E.

Set a sandstone

$24 \times 12 \times 4$ ins 14 ins in the

grd. to bed rock ~~rwd~~

4 grooves on N. 2 grooves

on E. & E. on S. face

Dig pits crosswise

on each line $24 \times 18 \times$

12 ins E. & W. 3 ft & S. of

stone 7 ft dist.

P. 5-6. G. & L. R. Mrs

Chs.

Rise a rod of earth
4 ft base & 1 ft high S. of
cor.

W to land 74.53 chs.

Soil rocky & sandy -
3 & 4 rate -

Dense cedar & pine
timber.

Cap underbrush.

Sept 6th 1902.

Sept 7th 1902.

at 7.30 A.M. l. m. t. Set
off $34^{\circ}45'30''$ N on the
lat. $6^{\circ}18'30''$ W on the
decl arc, and determine
a true mer. with the
solar, at the cor of sec.
3-4-33 & 34. on the S.

Bdy of the Sp.

40-

BOOK 196

Sub-divisions of T. 16 N.

Chs.

Shurce Linn.

N. 8° 2' W.

betweens 33 & 34

over cuts land

Ascending -

40.00

Set a limestone 24 x
12 x 4 ins. 16 ins. in the
ground for 1/4 cor.
raked 1/4 on N. face.
From which -

A cedar 4 ins. in diam.
bears N. 32° 10' E. 15 lbs
dist. raked 1/4 S. 34 B.S.

A cedar 4 ins. in diam.
bears S. 87° 45' W. 23 lbs
dist. raked 1/4 S. 33 B.S.

80.00

Set a sandstone
24 x 14 x 10 ins. 16 ins. in.
the ground for cor. of
secs. 27, 28, 33 & 34 raked

R. 5 E. G. & S. R. Uler

Chs. with 1 notch on S. & 3 on
E. edges.

From which -

A cedar 14 ins. in
diam. bears S. 58° W.
18 lbs. dist. rkd S. 16 W.
R. 5 E. S. 33 B. S.

A cedar 3 ins. in diam.
bears N. $30^{\circ} 15'$ W. 82 lbs.
dist. rkd S. 16 W. R. 5 E.
S. 28 B. S.

A cedar 4 ins. in diam.
bears N. 34° E. 195 lbs.
dist. rkd S. 16 W. R. 5 E.
S. 27 B. S.

A cedar 12 ins. in diam.
bears S. $89^{\circ} 15'$ E. 36 lbs.
dist. rkd S. 16 W. R. 5 E.
S. 34 B. S.

Utsland 80 chs.

47

BOOK 196

Sub-divisions of T. 16 N.

Chs

Cedar timber &
dense brush - 80 chs.
Soil 4 rate.E. on a random line
bet secs. 27 & 34

40.00

Set temporary $\frac{1}{4}$ cor.

80.04

Falls 2 lks. N. of cor of
secs 26-27-34 & 35 -

Thence S run -

N. 89° 54' W.

on a true line.

bet secs. 27 & 34

over into land
through cedar timber
and dense brush -

8.75

Ravine course S. 15 lks
wide.

12.00

Top of ridge & descend

18.50

Ravine course S. E.

P. S. C. G. & S. R. W. W.

- Chs. 20 lbs wide, and ascend.
- 40.02 Set a malpai stone 18x12x8 ins. 12 ins. in the grid for $\frac{1}{4}$ cor. r. up $\frac{1}{4}$ on N. face.
From which —
A cedar 8 ins in diam bears N. 62° W 79 lbs.
dist. up $\frac{1}{4}$ S. 27 B. S.
A cedar 7 ins in diam bears S. $42^{\circ} 30'$ W 1 ch.
dist. up $\frac{1}{4}$ S. 34 B. S.
- 45.00 Top of ridge & descend.
- 52.10 Ravine - 10 lbs wide course S. E. & ascend.
- 68.00 Top of ridge
- 76.00 Ravine - course of 13 lbs wide.
- 80.04 Cor. of pns. 27-28-33 & 34

48

BOOK 196

Sub-divisions of S. 16 N.

cls

ult. or land covered
with heavy cedar
timber 80. 4 cls.
Underbush chico &
cedar
Soil 4 rate

N. 0° 2' W.

Set area 27828

over into land through
cedar timber, oak &
chico brush.

3.00

E. rim of cañon & descend.

20.50

bottom of cañon-course
S. W. & ascend

40.00

On ridge top.

Set a triangular stone
18 x 8 x 8 ins. - 11 ins in
the grid. for $\frac{1}{4}$ cor. ruled
 $\frac{1}{4}$ on N. face.

Obs.

From which

A cedar 5 ins. in diam. bears S. 50° W. 74 lbs. dist. upkd $\frac{1}{4}$ S. 28 B. T.

A cedar 12 ins. in diam. bears N. 35° E. 100 lbs. dist. upkd $\frac{1}{4}$ S. 27 B. T.

Descend.

54.50

Ravine 10 lbs wide - course N. & ascend.

80.00

Set a malpai stone 30 x 24 x 4 ins. 15 ins. in the grid, to bedrock upkd with 2 notches on S. & 3 on E. edges.

From which -

A cedar 3 ins. in diam. bears N. 42° 15' E. 39 lbs. dist. upkd T. 16 N. R. 5 E.

Cor. 21-22-27-28

Sub-divisions ^{BOOK} of ¹⁸⁶⁷ 16 N.

Chs.

S. 22 B. T.

A cedar 8 ins. in diam.
 bears S. 45° W. 171 lbs.
 dist. ^{reb'd.} S. 16 N. R. 5 E.
 S. 28 B. T.

A cedar 4 ins. in diam.,
 bears S. 40° E. 122 lbs.
 dist. ^{reb'd.} S. 16 N. R. 5 E.
 S. 27 B. T.

No other trees in
 limits -

And raise a rod of
 stone 2 ft base $1\frac{1}{2}$ ft
 high ^{W. of cor}

Plts. ^{Plts. ~~in~~ impracticable} ~~or~~ land covered
 with cedar timber
 80 chs.

Under brush - chico-
 & cat claw -

Soil 4 rate -

- Chs. S. 89° 59' E. on a random line
bet. secs. 22 & 27.
- 40.00 Set temporary 1/4 sec.
cor
- 79.90 Fall 12 lks. S. of cor. of secs
22-23-26 & 27
Shrine Run
S. 89° 56' W.
on a true line
bet. secs 22 & 27
over into land. through
dense cedar timber &
oak brush.
- 10.25 Bed of canon - course S. E.
& ascend.
- 19.50 S. rim of canon - & de-
scend rapidly.
- 39.95 Set a malpai stone
20 x 12 x 5 ins 8 ins in
the grid to bed rock

Sub-divisions of S. 16th.

Chs.

used $\frac{1}{4}$ on U. fair.
From which -

cedar *ginsuindian*.
bears S. $20^{\circ} 15' W.$ 186 lbs.
dist. used $\frac{1}{4}$ S. 27 B. S.

cedar *ginsuindian*
bears N. $65^{\circ} E.$ 252 lbs
dist used $\frac{1}{4}$ S. 22 B. S.

Descent.

- 63.60 Dry wash & ascend.
77.60 Top of ridge & descent
79.60 E. side of canon.
79.90 Cor of Secs. 21-22-27 & 28
Mts. or land covered
with cedar timber.
79.90 chs.
Underbrush oak &
Chico -
Loil 4 rate.

Sept 7th 1902

R. S. C. G. & S. R. W. M.

Chs. at 8. A.M. Sept. 5th 1902
 set off $34^{\circ}47'$ on lat. arc
 $5^{\circ}05'$ on decl. arc &
 determine a true mer.
 with the solar
 three sun
 $N. 0^{\circ}2' W.$

bet secs. 21 & 22.

Through dense cedar
 timber - over rutland

Ascending ridge

35.00 Top of ridge & descend

40.00 Set a malpai stone

$20 \times 18 \times 5$ ins, 10 ins in
 the grid to bed rock.

For $\frac{1}{4}$ cor. used $\frac{1}{4}$ on
 W. face.

From which -

Cedar 8 ins. in diam.
 bears $N. 43^{\circ}18' E. 79$ lbs.

Sub-divisions of T. 16 N. R. 5 E.

Chs. dist. nhd. $\frac{1}{4}$ S. 22 P. T.
 Cedar 3 ins. in diam.
 bears S. 78° W. 53 lbs.
 dist. nhd. $\frac{1}{4}$ S. 21 P. T.

46.40 Dry wash - 10 lbs water
 course E.

59.00 Top of ridge + descend
 80.00 Set a well pair stone
 24 x 12 x 5 ins. 16 ins. in the
 grid for cor. of secs.
 15-16-21 & 22 nhd with
 3 grooves on the S. & E.
 edges.

From which -
 Cedar 12 ins. in diam
 bears N. 35° E. 63 lbs
 dist. nhd. T. 16 N. R. 5 E.
 S 15 P. T.

Cedar 12 ins. in diam.
 bears S. $49^{\circ} 25'$ E. 186 lbs.

Concluded, Book 197