

No 1.

SUBDIVISIONS

T. 31 N.

R. 1 E.

Jacobs

No. 606

BOOK 606

4-671

606

FIELD NOTES
GENERAL LAND OFFICE.

No. 606

BOOK 606

FIELD NOTES
of the Survey of the
Subdivision Lines
of
Township No. 31 North
Range No. 1 East
of the
GILA and SALT RIVER
BASE and MERIDIAN
in the
TERRITORY of ARIZONA
As Surveyed by
FRANCIS B. JACOBS
U.S. Deputy Surveyor
Under His Contract No. 71
dated June 13th 1900.

Survey Commenced Oct. 23^d 1900

Survey Completed Nov. 4th 1900

Names and duties of Assessor
 Alfred J McMillan Chairman
 J. William Dannelley chairman
 Harry W Thompson Assessor
 Emory Miller Assessor
 Edward Lippin Flagman

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Township 31 North R. 1 E.

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Survey commenced October 23rd 1900, and executed with a W. and S. E. Geuley light mountain transit, heretofore described.

October 23rd at 8^h 0^m a.m., I test my transit on the true meridian established by observation on Polaris, September 26th 1900, at my camp in sec. 11 T 30 N. R. 1 E., heretofore described, and find the adjustments approximately correct.

I commence at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Twp which is a sandstone 5 x 12 x 6 ins. - above ground previously set by me.

4

Thence Drum

N. 0° 1' W. bet. sec 35 and 36.

Over rolling land,
heavily timbered

40.00

Set a limestone 24 x 12 x 3 ins
18 ins. in the ground for 1/4 sec.
cor marked 1/4 on N. face, from
which.

A pine 12 ins diam. bears
N. 73 3/4 W. 190 lks. dist. marked
1/4 S. 35 B. T. No more trees
within limits. dig pits 18 x 18 x 12
ins. N. and S of stone 3 ft.
dist. and raise a mound
of earth 3 1/2 ft. base 1 1/2 ft.
high N. of cor.

48.50

Moqui Indian Trail bears
S.E. and N. W.

80.00

Set a limestone 10 x 16 x 8 ins
12 ins. in the ground for the

cor. of secs. 25, 26, 35 and 36, marked
with 1 notch on S. and E. edges,
from which,

A cedar 10 ins. diam. bears
N. $32\frac{3}{4}^{\circ}$ E. 202 lbs. dist. marked
T. 31 N. R. 1 E. S. 25 B.T.

A pine 18 ins. diam. bears
S. 22° E. 84 lbs. dist. marked
T. 31 N. R. 1 E. S. 36 B.T.

A pine 12 ins. diam. bears
S. $20\frac{3}{4}^{\circ}$ W. 60 lbs. dist. marked
T. 31 N. R. 1 E. S. 35 B.T.

A pine 14 ins. diam. bears
N. $86\frac{3}{4}^{\circ}$ W. 63 lbs. dist. marked
T. 31 N. R. 1 E. S. 26 B.T.

Land rolling.

Soil 3rd rate.

Timber pine and cedar.

Heavily timbered land 80. chs.

6

S. $89^{\circ}55' E$ on a random
line bet. secs. 25 and 36.

40.00 Set temp $\frac{1}{4}$ sec. cov. ^{5 lbs} of

79.94 Intersect E. bdy of $\frac{1}{4}$ p. ^{at the}
cor. of secs 25, 30, 31 and 36.

which is a sandstone
 $6 \times 16 \times 4$ ins. above ground
previously set by me.

Thence I run

N. $89^{\circ}03' N$ on a true line
bet. secs. 25 and 36, through
heavy timber.

3997 Set a limestone $18 \times 12 \times 6$ ins
12 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face,

from which

A pine 10 ins. diam. bears

N. $38^{\circ} E$ 9 lbs. dist. marked

$\frac{1}{4}$ S. 25 B.T.

A pine 8 ins. diam. bears

S. $12\frac{1}{4}^{\circ}$ W. 24 lbs. dist. marked
 $\frac{1}{4}$ S. 36 B.T.

79.94

The cor. of secs 25, 26, 35 and 36.

Land rolling.

Soil 3rd Rate.

Timber pine and cedar.

Heavily timbered land 79.94 chs.

N. 0° 1' W. bet. secs. 25 and 26.

Over rolling land, through
 heavy timber.

3.21

Road from Supai to Bowes
 Still bears S. 75° E. and N. 75° W.

40.00

Set a limestone $18 \times 16 \times 3$ ins.
 12 ins. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N. face, from
 which

A cedar 16 ins. diam. bears
 S. 87° E. 102 lbs. dist. marked
 $\frac{1}{4}$ S. 25 B.T.

8

A pine 24 ins. diam. bears
 S. $31\frac{1}{4}^{\circ}$ N. 13 lbs. dist. marked
 14 S. 26 B.T.

80.00

Set a limestone $18 \times 16 \times 8$ ins
 12 ins. in the ground for
 cor. of sec. 23, 24, 25 and 26,
 marked with 2 notches on S
 and 1 notch on E edge,
 from which,

A cedar 14 ins. diam. bears
 N. 26° E. 47 lbs. dist. marked
 T. 31 N. R. 16 S. 24 B.T.

A cedar 14 ins. diam. bears
 S. $20\frac{1}{2}^{\circ}$ E. 17 lbs. dist. marked
 T. 31 N. R. 16 S. 20 B.T.

A cedar 18 ins. diam. bears
 S. $20\frac{3}{4}^{\circ}$ N. 17 lbs. dist. marked
 T. 31 N. R. 16 S. 26 B.T.

A cedar 20 ins. diam. bears

Set a limestone 18x16x7 ins. 2 ins. in ground
for W.C. to cor. of secs. 19, 24, 25 & 30
marked W.C. on E. with 2 notches
on S end 4 on N. edges and raised a
mt. of stone 3 ft. base 2 ft. high W. of
cor. Pits impracticable.

N. $12\frac{1}{2}^{\circ}$ W. 41 lks. dist. marked
T. & W. R. & S. 23. B.T.
Land rolling.
Soil, rocky 4th rate.
Timber. Pine and cedar.
Heavily timbered land 80. chs.

S $89^{\circ}53'$ E on a random line
bet. secs. 24 and 25.

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

64.25 Rim of Grand Canyon bears
N. and S. *

Thence I run.

N. $89^{\circ}53'$ W on a true line bet.

secs. 24 and 25 counting from cor.
print for secs. 19, 24, 25 and 30; through

26.00 Gulch course S 75° E.

ascend

31.00 Descend.

34.90 Same gulch, course S 75° E

in mound of debris

Heavy Timber

10

40.00

Set a sandstone 18X16X3
 ins. 12 ins. in the ground
 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
 N. face, from which

A pine 6 ins. diam. bears
 S. 15° E. 31 lbs. dist. marked
 $\frac{1}{4}$ S. 25 B.T.

A pine 8 ins. diam. bears
 N. 35° W. 10 lbs. dist. marked
 $\frac{1}{4}$ S. 24 B.T.

80.00

The cor. of sec. 23, 24, 25 and 26.
 Land mountainous.

Soil rocky, 4th rate.

Timber pine and cedar.

Heavily timbered land 6425 chs.

October 23rd 1900

N. 0° 1' W. bet sec. 23 and 24.
 Over mountainous land,
 heavily timbered.

37.60

Descend abruptly

40.00

Set a limestone $24 \times 12 \times 10$ ins
 18 ins. in the ground for $\frac{1}{4}$ sec. cor
 marked $\frac{1}{4}$ on N. face, from
 which.

A fine 8 ins diam. bear
 N. 77° E. 35 lbs. dist. marked
 $\frac{1}{4}$ S. 24 B.T.

A fine 6 ins diam. bear
 N. 75° W. 10 lbs. dist. marked
 $\frac{1}{4}$ S. 23 B.T.

80.00

Set a limestone $20 \times 12 \times 10$ ins
 15 ins. in ground for cor of secs
 13, 14, 23 and 24, marked with
 3 notches on S. and 1 notch on E
 edges, from which.

A fine 6 ins. diam. bear
 N. 63° E. 15 lbs. dist. marked
 N 31 N. R. 16 S 13 B.T.

12

A pine 12 ins. diam. bears
S. $19\frac{3}{4}^{\circ}$ E. 94 lks. dist. marked
T. 31 N. R. 1 E. S. 24 B. T.

A Rock 12 x 18 x 20 ft above
ground, a (X) cross, bears
S. $84\frac{3}{4}^{\circ}$ W. 18 lks. dist. marked
T. 31 N. R. 1 E. S. 23 B. T.

A pine 10 ins. diam. bears
N. $41\frac{1}{2}^{\circ}$ W. 19 lks. dist. marked
T. 31 N. R. 1 E. S. 14 B. T.

This corner lies on the slope
of a side gulch of the Grand
Canyon about 800 ft. below the
rim. Impossible to run east.

Land mountainous

Soil rocky 4th rate

Timber pine and cedar.

Heavily timbered ^{and mountainous} land 80' ches

- 7.00 N. bet. sec 13 and 14.
Over mountainous land,
heavily timbered.
- 2.45 Trail to mines in Grand
Cañon, not in use.
- 4.10 Trail to mines, not in use.
- 6.00 Bottom of gulch, 1000 ft.
deep course S.E. Ascend.
- 34.00 Top of rim of cañon.
- 40.00 Set a limestone 20x12x6 ins
15 ins in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N face
from which,
A cedar 8 ins diam. bears
N. 36° E. 25 lbs. dist. marked
 $\frac{1}{4}$ S. 13 B.T.
- A pine 10 ins diam. bears
N. 74 $\frac{3}{4}$ ° W. 25 lbs. dist. marked
 $\frac{1}{4}$ S. 14 B.T.
- 80.00 Set a limestone 20x8x6 ins

14

15 ins. in the ground for
 cor. of secs. 11, 12, 13 and 14
 marked with 4 notches on S
 and 1 notch on E. edges, from
 which.

A cedar 16 ins. diam. bears
 N. 72° E. 6 lbs. dist. marked
 T. 31 N. Q. 1 E. S. 12 B. T.

A pine 6 ins. diam. bears
 S. 65 $\frac{1}{4}$ ° E. 3 lbs. dist. marked
 T. 31 N. Q. 1 E. S. 13 B. T.

A pine 12 ins. diam. bears
 S. 10 $\frac{1}{2}$ ° N. 17 lbs. dist. marked
 T. 31 N. Q. 1 E. S. 14 B. T.

A pine 6 ins. diam. bears
 N. 45° N. 9 lbs. dist. marked
 T. 31 N. Q. 1 E. S. 11 B. T.

Land mountainous.
 Soil rocky & the rate

Timber pine and cedar.

5.00 Heavily timbered land 80 chs.
N. from this cor. to rim.
of Grand cañon

2.00 E from this cor. to rim. of
Grand cañon

October 24th 1900

Heavily timbered mts. 7 chs.

From the cor. of secs 2, 3, 34 and
35 on the S. bdy. of the T₁ which
is a limestone 8x12x5 ins.
above ground previously set
by me, I run.

N 0°01' W. bet. secs 34 and 35.

Over rolling land, heavily timbered

40.00 Set a limestone 18x16x3 ins
12 ins. in the ground for 1/4 sec.
cor. marked 1/4 on N. face from
which.

A pine, 10 ins diam. bears
S 85 1/2° E. 36 lbs. dist. marked

16

 $\frac{1}{4}$ S. 35 B.T.A pine 12 ins. diam. bears
S. 34 $\frac{1}{2}$ ° E. 47 lbs. dist. marked $\frac{1}{4}$ S. 34 B.T.

80.00

Set a limestone 18x10x6 ins
12 ins. in the ground for the
cor. of sec. 26, 27, 34 and 35
marked with 1 notch on S
and 2 notches on E edges,
from whichA cedar 14 ins. diam. bears
N. 50 $\frac{1}{4}$ ° E. 61 lbs. dist. marked
T. 31 N. R. 1 E. S. 26 B.T.A cedar 14 ins. diam. bears
S. 27 $\frac{1}{4}$ ° E. 67 lbs. dist. marked
T. 31 N. R. 1 E. S. 35 B.T.A cedar 24 ins. diam. bears
S. 57 $\frac{3}{4}$ ° E. 42 lbs. dist. marked
T. 31 N. R. 1 E. S. 34 B.T.

A cedar 10 ins. diam. bears
 N. 50° W. 57 lbs. dist. marked
 T. 31 N. R. 1 S. 27 B.T.

Land rolling

Soil 3rd rate

Timber cedar and pine.

Heavily timbered land 80 chs.

S. 89° 55' E on a random line
 bet secs. 26 and 30.

Over rolling land.

40.00 Set temp 1/4 sec. cor.

80.02 Intersect N. and S line at
 4 lbs N. of
 the cor of secs. 25, 26, 30 and 36.

Thence drum.

N. 89° 53' W on a true line bet
 secs. 26 and 30, through heavy
 timber.

12.00 Road from Sufais to Rowes
 still bears N 75° E and S 75° W.

28.26 Same road bears S 73° E
and N. 75° W.

40.01 Set a limestone 20x12x4 ins
15 ins. in the ground for 1/4 sec.
cor marked 1/4 on N. face
from which,

A cedar 24 ins. diam. bears
S. 14 1/2° N. 50 lbs. dist. marked
1/4 S. 35 BT.

A cedar 24 ins. diam. bears
N. 53 3/4° W. 75 lbs. dist. marked
1/4 S. 26 BT.

80.02 The cor of secs. 26, 27, 34 and 35.

Land rolling.

Soil 3rd rate.

Timber cedar and pine.

Heavily timbered land 80.02 etc.

N. 01° W. bet secs 26 and 27

- .09 Over rolling land; heavily timbered.
A cedar 16 ins diam. on line D.
mark with 2 notches on N and S.
- 18.40 Road from Supai to Rowes
Mill bears East N.
- 40.00 Set a sandstone 18x16x6 ins
12 ins. in the ground for $\frac{1}{4}$ sec.
cor marked $\frac{1}{4}$ on N. face from
which,
A cedar 14 ins. diam. bears
S 4° E 11 lbs. dist. marked
 $\frac{1}{4}$ S. 26 B.T.
- A pine 12 ins. diam. bears
N. 22° W. 27 lbs. dist. marked
 $\frac{1}{4}$ S. 27 B.T.
- 80.00 Set a limestone 20x12x4 ins.
15 ins. in the ground for the
cor. of secs. 22, 23, 26 and 27
marked with 2 notches

on the Sand Edges, from
which,

A cedar 20 ins. diam. bears
N. $11\frac{1}{2}^{\circ}$ E. 76 lbs. dist. marked
T. 31 N. R. 1 E. S. 23 B. T.

A cedar 6 ins. diam. bears
S. $4\frac{1}{2}^{\circ}$ E. 22 lbs. dist. marked
T. 31 N. R. 1 E. S. 26 B. T.

A pine 14 ins. diam. bears
S. $38\frac{1}{2}^{\circ}$ N. 63 lbs. dist. marked
T. 31 N. R. 1 E. S. 27 B. T.

A pine 20 ins. diam. bears
N. 86° N. 83 lbs. dist. marked
T. 31 N. R. 1 E. S. 22 B. T.

Land rolling,

Soil 3rd etc.

Timber cedar and pine

Heavily timbered land 80 etc.

S. 89°33' E on a random line
bet. sects. 23 and 26.

40.00 Set temp 1/4 sec. cor.

79.90 Intersect N and S line, 14 lbs
S. of the cor of sects. 23, 24, 25
and 26

Thence I run.

N. 89°59' N. on a true line
bet. sects. 23 and 26 through
heavy timber.

39.95 Set a limestone 18x12x4 ins
12 ins in the ground for 1/4 sec.
cor. marked 1/4 on N. face, from
which,

A pine 10 ins diam bears
S. 80 1/2° E. 31 lbs. dist. marked
1/4 S. 26 B.T.

A pine 8 ins diam bears
N. 62 3/4° N. 78 lbs. dist. marked
1/4 S. 23 B.T.

22

79.90 The cor of secs, 22, 23, 26 and 27.

Land rolling.

Soil rocky 4th rate.

Timber pine and cedar

Heavily timbered land 79.90 chs.

October 20th 1900

70.00 90.1' N. bet. secs. 22 and 23 through
 heavy timber.

Set a limestone 24x10x6 ins
 18 ins. in the ground for 1/4 sec.
 cor. marked 1/4 on N face, from
 which,

A pine 14 ins. diam. bears
 S. 57 1/2° E. 29 lbs. dist. marked
 1/4 S. 23 B.T.

A cedar 10 ins. diam. bears
 S. 85 1/2° W. 61 lbs. dist. marked
 1/4 S. 22 B.T.

80.00 Set a limestone 20x12x4

ins. 10 ins in the ground for
 cor. of nos. 14, 15, 22 and 23.
 marked with 3 notches on
 S. and 2 notches on E edge,
 from which,

A cedar 20 ins. diam. bears
 N. 32° E 16 lks. dist. marked
 T. 31 N. R. 1 E. S. 14 B. T.

A pine 8 ins. diam. bears
 S. 54° E 55 lks. dist. marked
 T. 31 N. R. 1 E. S. 23 B. T.

A cedar 6 ins. diam. bears
 S. $53\frac{1}{2}^{\circ}$ W. 36 lks. dist. marked
 T. 31 N. R. 1 E. S. 22 B. T.

A pine 10 ins. diam. bears
 N. 15° W. 64 lks. dist. marked
 T. 31 N. R. 1 E. S. 15 B. T.

Land rolling
 Soil rocky $\frac{1}{4}$ th rate.

24

Timber pine and cedar.
 Heavily timbered land 80chs.

- S 89° 59' E on a random line
 bet. secs. 14 and 23.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N. and S. line 12 lbs.
 S of the cor. of secs 13, 14, 23 and 24.
 Thence Drive
- S 89° 56' N. on a true line
 bet. secs. 14 and 23.
- Over rolling land heavily
 timbered.
- 39.98 Set a limestone 18 X 12 X 6 ins
 12 ins in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N.
 face, from which.
- A pine 18 ins diam. bears
 S 13 $\frac{1}{4}$ ° N. 59 lbs. dist marked
 $\frac{1}{4}$ S. 23 B.V.

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25-

A pine 10 ins. diam. bears
N. 42 $\frac{1}{2}$ ° W. 14 lbs. dist. marked
1/4 S. 14 B. T.

79.96 The cor. of secs. 14, 15, 22 and 23
Land rolling.
Soil 3rd rate.
Timber pine and cedar.
Heavily timbered land 79.96 ch

N. 0° 1' 21" W. bet. secs. 14 and 15.

40.00 Over rolling rocky land, through
dense timber.
Set a limestone 20 x 10 x 6 ins
15 ins. in the ground for 1/4 sec
cor. marked 1/4 on N. face from
which

A pine 10 ins. diam. bears
N. 62 $\frac{3}{4}$ ° E. 30 lbs. dist. marked
1/4 S. 14 B. T.

A pine 10 ins. diam. bears

N. $84\frac{3}{4}^{\circ}$ W. 51 lbs. dist. marked
 $\frac{1}{4}$ S. 10 B.T.

Ascend.

7480

The rim of Grand Cañon.
 Top of bluff 50 ft. high thence
 steep descent to cañon.

Rim bears N. E. and S. W.

Set a limestone $24 \times 12 \times 8$ ins
 in mound of stone for witness
 cor. to cor. of sec. 10, 11, 14 and
 15. marked with 4 notches
 on S and 2 notches on E edges
 and N. C. on N. face, from
 which,

A cedar 10 ins. diam. bears
 N. $78\frac{1}{4}^{\circ}$ E. 34 lbs. dist. marked
 N. C. 13, N. R. 1 E. S. 14 B.T.

A pine 12 ins. diam. bears
 S. $20\frac{3}{4}^{\circ}$ W. 126 lbs. dist. marked
 N. C. 9, 31 N. R. 1 E, S. 15, B.T.

hard Rolling, Soil rocky, H. brate - Timber
 pine and cedar -
 Heavily timbered & mountainous land 80 chs.

Then offset as follows.
 N 89° 56' E. 9 chs. then on
 offset line.

N 0° 2' W 5.20 chs. to line
 bet ^{secs.} 11 and 14

Thence

S 89° 56' W 2.40 chs. to rim
 of cañon, at which point

Set a limestone 36 x 20 x 6 ins
 27 ins in mound of stone
 marked H.C. on N. face, with
 4 notches on S. & 2 notches on E. edges;
 from which.

A cedar 10 ins diam bears
 S. 53 3/4° E. 33 lbs. dist. marked
 H.C. T 31 7. P. E. S. 1 + B.A.

A pine 6 ins diam bears
 North 11 lbs. dist. marked
 H.C. T 31 7. P. E. S. 11 B.A.

28

~~Land rolling.~~~~Soil rocky $\frac{1}{4}$ sec. cor.~~~~Timber Pine and cedar.~~~~Heavily timbered land 80 chs.~~

$N. 89^{\circ} 56' E$ on a random
line bet. secs. 11 and 14. from
cor. point to secs. 10, 11, 14 & 15.

40.00

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

80.00

Intersect N. and S. line at
the cor. of secs. 11, 12, 13 and 14.

Thence down.

$S. 89^{\circ} 56' W.$ on a true line bet.
secs. 11 and 14. through heavy
timber.

40.00

Set a limestone $24 \times 12 \times 4$ ins
18 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face,
from which,

A cedar, 10 ins. diam. bears
South, 10 lbs. test. marked

$\frac{1}{4}$ S. 14 B.T.

A pine 12 ins. diam bears
N. 78° W. 23 lbs. dist. marked
 $\frac{1}{4}$ S. 11 B.T.

41.00 Descend

45.00 Bottom of gulch. course S.
 25° E. Ascend.

46.70 Top of bank.

73.40 The witness cor. to cor. of
secs 10, 11, 14 and 15

Land mountainous.

Soil rocky, 4th rate.

Timber pine and cedar.

Heavily timbered land 80.00 chs.

Impossible to run line
bet. secs. 10 and 11

October 26th 1900.

From the cor. of secs 3, 4, 23

30

and 34 on the S. bdy of the
 Np which is a pine post
 5 ins sq. previously set by
 me, I run.

34.00 N. 0° 2' W. bet. sec 33 and 34
 through dense underbrush
 Road in wash, course S. W.

40.00 Set a limestone 18x12x6 ins
 4 ins. in ground to bedrock
 surrounded by mound of
 stone, for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on N. face, from which.

A cedar 14 ins. diam. bears
 S. 53 $\frac{1}{4}$ ° W. 311 lks. dist. marked
 $\frac{1}{4}$ S 33 B.N. no more trees
 within limits.

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

80.00 Set a limestone 24x14x8

ins. 18 ins. in the ground
for the cor. of secs. 27, 28, 33
and 34 marked with 1 notch
on S. and 3 notches on E. edge
from which

A cedar 12 ins. diam bears
S $84\frac{1}{4}^{\circ}$ E 340 lbs. dist. marked
T. 7. R. 1 E. S. 27 B. 1. No more
trees within limits.

Dig pits 15 X 18 X 12 ins. in
each section $5\frac{1}{2}$ ft. dist. and
raise a mound of earth 4 ft.
base 2 ft. high N. of cor.
Land rolling.

Soil rocky of the rate.

Timber Cedar and pine.

Dense undergrowth 80 chs.

S 89055 E on a random line

32

bet secs 27 and 34.

40.00

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

77.79

Intersect N. and S line
11 lbs. N. of the cor of secs. 26, 27
34 and 35.

Thence I run

N $89^{\circ}50'$ W on a true line

bet secs. 27 and 34.

34.30

Over rolling land, heavily
impervious.
Road in wash, course S W39.89 $\frac{1}{2}$ Set a limestone $18 \times 10 \times 5$ ins
12 ins. in the ground for $\frac{1}{4}$ sec
cor. marked $\frac{1}{4}$ on N face,
from whichA cedar 18 ins. ^{diam.} bears N $81^{\circ} \frac{1}{4}'$
E. 150 lbs. dist. marked
 $\frac{1}{4}$ S. 27 B. T.A cedar 10 ins. diam. bears
S $16^{\circ} \frac{1}{4}'$ W, 121 lbs. dist. marked

$\frac{1}{4}$ S. 34 B.T.

79.79

The cor. of sec. 27, 28, 33 and 34.

Land rolling.

Soil 3rd rate

Timber cedar and pine.

Heavily timbered land 79.79 chs.

N. 0° 0' W. bet. sec. 27 and 28.
through heavy timber.

40.00

Set a limestone 20 x 10 x 6 ins.

15 ins. in the ground for $\frac{1}{4}$ sec.

co. marked $\frac{1}{4}$ on N. face,

from which,

A pine 10 ins. diam. bears

S 60° 26' E 103 lbs. dist. marked

$\frac{1}{4}$ S. 27 B.T.

A pine 12 ins. diam. bears

N 50° 12' W 111 lbs. dist. marked

$\frac{1}{4}$ S. 28 B.T.

5845

Road.

24

75.00 Enter wash course S. 20° W.

80.00 Set a limestone 20x10x4
ins. 15 ins. in the ground for
cor of sec 21, 22, 27 and 28.
marked with 2 notches on S
and 3 notches on E edges,
from which.

A pine 12 ins. diam. bears
N. 82° E. 165 lbs. dist. marked
T. 31 N. R. E. S. 22 B.T.

A pine 12 ins. diam. bears
S. 72½° E. 140 lbs. dist. marked
T. 31 N. R. E. S. 27 B.T.

A pine 16 ins. diam. bears
S. 70½° W. 148 lbs. dist. marked
T. 31 N. R. E. S. 28 B.T.

A pine 20 ins. diam. bears
N. 51¼° W. 109 lbs. dist. marked
T. 31 N. R. E. S. 21 B.T.

Land rolling.

Soil 3rd and 4th rate

Timber pine and cedar.

Nearly timbered land 80. cts.

S. 89° 50' E on a random
line bet sect 22 and 27.

40.00

Set temp. 1/4 sec. cor.

79.97

Intersect N. and S. line. 9 lbs.

S. of the cor of sects. 22, 23, 26
and 27.

Thence I run

N. 89° 54' W on a true line
bet. sects. 22 and 27 through
heavy timber.

39.98 1/2

Set a limestone 20 x 12 x 8 ins
15 ins. in the ground for 1/4 sec.
cor. marked 1/4 on N. face, from
which

A pine 8 ins. diam bears

36

S. $60\frac{3}{4}^{\circ}$ W. 19 lbs. dist. marked
 1/4 S. 27 B.T.

A pine 8 ins. diam. bears
 N. $44\frac{1}{4}^{\circ}$ W. 34 lbs. dist. marked
 1/4 S. 27 B.T.

79.97 The co. of secs. 21, 22, 27 and 28.
 Land rolling
 Soil rocky 4th rate.
 Timber Pine and cedar.
 Heavily timbered land. 7997 chs.
 October 27th 1900

N. $0^{\circ} 2'$ W. bet. secs. 21 and 22.

Over rolling land, through
 heavy timbering
 Leave wash.

1.00

40.00

Set a limestone $30 \times 12 \times 6$
 ins. 22 ins. in the ground
 for 1/4 sec. cor. marked 1/4 on
 N. face. from which,

A pine 12 ins. diam. bears
 N. $65\frac{1}{4}^{\circ}$ E. 62 lbs. dist. marked
 $\frac{1}{4}$ S. 22 B.T.

A pine 14 ins. diam. bears
 S. 3° W. 26 lbs. dist. marked.
 $\frac{1}{4}$ S. 21 B.T.

80.00

Set a limestone $27 \times 8 \times 6$
 ins. 18 ins. in the ground for
 cor. of sec. 15, 16, 21 and 22,
 marked with 3 notches on
 the S and E edges, from
 which

A pine 18 ins. diam. bears
 N. 48° E. 32 lbs. dist. marked
 T. 31 N. R. 1 E. S. 15 B.T.

A pine 14 ins. diam. bears
 S. $46\frac{1}{2}^{\circ}$ E. 56 lbs. dist. marked
 T. 31 N. R. 1 E. S. 22 B.T.

A pine 8 ins. diam. bears

S. 42 $\frac{1}{2}$ ° N. 18 lks. dist. marked
T. 31. N. R. 16 S. 21 B. T.

A pine 10 ins. diam. bears
N. 60 $\frac{1}{2}$ ° W. 86 lks. dist. marked
T. 31. N. R. 16 S. 16 B. T.

Land rolling.

Soil rocky, $\frac{2}{3}$ tho. rocks.

Timber pine and cedar.

Heavily timbered land 80 chs.

S. 89° 54' E on a random line
bet. secs. 15 and 22.

40.00 Set temp. $\frac{1}{4}$ all. cov.

80.13 Intersect N. and S. line
7 lks N. of the cor. of secs
14, 15, 22 and 23.

Thence S run.

N. 89° 51' W. on a true line
bet. secs. 15 and 22; through
heavy timber.

40.06 1/2 Set a limestone 18X10X6 ins.
12 ins. in the ground for 1/4 sec
cor. marked 1/4 on N. face, from
which

a fine 12 ins. diam. bear
S. 46° E 6 lbs. dist. marked
1/4 S. 22 B. 9.

a fine 6 ins. diam. bear
N. 93 1/2° W. 20 lbs. dist. marked
1/4 S. 15 B. 9.

80.13 The cov. of secs 15, 16, 21 and 22.
Land rolling
Soil 3rd rate.
Timber pine and cedar.
Heavily timbered land 80.13 che

N. 0° 2' W. bet secs 15 and 16.
Over rough rolling land.
heavily timbered
Set a limestone 18X8X6 ins

40

12 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N. face
from which,

A pine 12 ins. diam. bears
 $N. 54^{\circ} E.$ 10 lbs. dist. marked
 $\frac{1}{4} S. 15 B.T.$

A pine 10 ins. diam. bears
 $S 69^{\circ} W.$ 21 lbs. dist. marked.
 $\frac{1}{4} S. 16 B.T.$

80.00

Set a limestone $20 \times 12 \times 4$ in
15 ins in the ground for the
cor of sec. 9, 10, 13 and 16,
marked with 4 notches on
S and 3 notches on E edge,
from which

A pine 16 ins. diam. bears
 $N. 71^{\circ} E.$ 33 lbs. dist. marked
 $N 31^{\circ} W, E S 10 B.T.$

A pine 10 ins. diam. bears

S. $63\frac{1}{2}^{\circ}$ E. 9 lks. dist. marked
 T. 31 N. R. 1 E. S. 15 B. T.

A pine 10 ins. diam. bears
 S. 28° N. 46 lks. dist. marked
 T. 31 N. R. 1 E. S. 16 B. T.

A pine 12 ins. diam. bears
 N. 10° N. 33 lks. dist. marked
 T. 31 N. R. 1 E. S. 9 B. T.

~~From this cor. north to
 of grand cañon
 run 2.00 chs.~~

~~From this cor. East to rim
 of grand cañon
 2 chs.~~

Land rolling.

Soil rocky 1/4 th rate.

Timber pine and cedar.

Heavily timbered land 80. chs

October 28th 1900.

N. 2° N. to rim of Grand Cañon 2 chs.
 S. 59° 5' E. to rim of Grand Cañon 2 chs.
 Mountainous & heavily timbered land 1/4 chs.

42

From the cor of secs 4, 5
32 and 33 on the S. bdy
of the Tp. which is a
limestone 6x10x8 ins above
ground previously set by
me, Dr. W.

40.00 N. 0° 2' W. bet secs 32 and 33.
through dense underbrush
Set a sandstone 20x8x6 ins
15 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on W. face
from which;

A pine 10 ins. diam. bears
N. 32 $\frac{1}{2}$ ° E. 68 lbs dist marked
 $\frac{1}{4}$ S. 33 B. T.

A cedar 14 ins. diam. bears
N. 73 $\frac{1}{2}$ ° W. 223 lbs. dist. marked
 $\frac{1}{4}$ S. 32 B. T.

80.00 Set a limestone 30x14x4 ins
22 ins. in the ground for cor

of secs. 28, 29, 32 and 33,
 marked with 1 notch on S
 and 4 notches on E edge,
 dig pits 18X18X12 ins. on
 each sec. $5\frac{1}{2}$ ft. dist and
 raise a mound of earth 4 ft.
 base 2 ft. high N. of cor.
 Soil 3rd rate.

Timber pine and cedar.
 Sand rolling.

Dense undergrowth so. ch.

S. 89°35'E on a random line
 bet secs. 28 and 33.

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

80.21 Intersect N and S line 7th ch.

S. of the cor of secs. 27, 28, 33
 and 34.

Thence Drive

44.

40.10 1/2

N. 89° 56' W. on a true line
bet secs. 28 and 33. through
dense ~~under growth~~
Set a limestone 18 X 8 X 6 ins.
12 ins. in the ground for 1/4 sec.
co. marked 1/4 on N. face from
which.

A cedar 16 ins. diam. bears
N. 76 3/4° W. 84 lbs. dist. marked
1/4 S. 28 B.T. no more trees
within limits, dig pits
10 X 10 X 12 ins. E and W. of
stone 3 ft. dist. and raise
a mound of earth 3 1/2 ft.
base 1 1/2 ft. high N. of cor.

80.21

The cor. of secs 28, 29, 32
and 33.

Land rolling.

Timber cedar and pine.

Soil 3rd and 4th rate

Dense undergrowth 80.21 chs.

40.00 70° 2' N bet secs 28 and 29
throughly dense undergrowth
Set a limestone 20x6x4 ins

15 ins in the ground for 1/4
sec. cor. marked 1/4 on N. face
from which.

A cedar 6 ins diam. bears
S. 58 1/2° E. 13 flks. dist marked
1/4 S. 28 B.T. - no more trees

within limits, dig pits
18x18x12 ins. N and S. of stone
3 ft. dist. and raise a mound
of earth 3 1/2 ft. base 1 1/2 ft. high
N. of cor.

80.00 Set a limestone 24x10x8
ins. 18 ins in the ground
for cor. of aces. 20, 21, 28 and 29.
marked with 2 notches

46

on the S and 4 notches
 on the E edges, dig pits
 18x18x12 ins. in each sec.
 5 1/2 ft. dist. and raise a
 mound of earth 4 ft. base
 2 ft. high 3/4 of cor.
 Land rolling.
 Soil 3rd rate.
 Timber cedar and pine
 Dense undergrowth 80. chs

S. 89056 E on a random line
 bet. secs. 21 and 28.

40.00

Set. temp. 1/4 sec. cor.

80.11

Intersect N and S line
 15 lks. S of the Co of secs
 21, 22, 27 and 28.

Thence down

S. 89058 W on a true line

bet. secs. 21 and 28 through
dense undergrowth.

31.94

Road bears $N\frac{1}{2}W$ and $S.E.$

40.05½

Set a limestone $36 \times 12 \times 4$ ins
27 ins in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N face,
from which,

A cedar 4 ins. diam bears
 $N\frac{1}{2}E$ 79 lbs. dist marked
 $\frac{1}{4} S. 21 B. T.$

A cedar 4 ins diam bears
 $S\frac{1}{2}E$ 198 lbs. dist marked
 $\frac{1}{4} S. 28 B. T.$

80.11

The cor of secs. 20, 21, 28 and 29.

Land, rolling.

Soil 3rd rate.

Timber pine and cedars

Dense undergrowth 80.11 ch

October 29th 1900.

48

- 39.51 N $0^{\circ} 2' 7''$ bet sec. 20 and 21
 through heavy timber.
 Road bears E and N.
- 40.00 Set a limestone $18 \times 12 \times 4$
 ins. in the ground
 for $\frac{1}{4}$ sec. cor marked
 $\frac{1}{4}$ on N. face from
 which
 A cedar 4 ins. diam. bears
 N $83\frac{1}{2}^{\circ} E$ 42 lbs. dist. marked
 $\frac{1}{4}$ S. 21 B.T. - no more
 trees within limits. dig
 pits $18 \times 18 \times 12$ ins. N and
 S. of stone $3\frac{1}{2}$ ft. dist. and
 raise a mound of earth
 $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high. N.
 of cor.
- 50.00 Set a limestone $20 \times 10 \times 4$ ins
 in the ground for cor,
 of sec. 16, 17, 20 and 21

marked with 3 notches on
S. and 4 notches on E edges,
from which

A cedar 8 ins. diam. bears
N. $59\frac{1}{2}^{\circ}$ E. 36 lbs. dist. marked
T. 31 N. P. 1 E. S. 16 B. T.

A pine 8 ins. diam. bears
S. $36\frac{3}{4}^{\circ}$ E. 33 lbs. dist. marked
T. 31 N. P. 1 E. S. 21 B. T.

A cedar 14 ins. diam bears
S. 22° N. 29 lbs. dist. marked
T. 31 N. P. 1 E. S. 20 B. T.

A pine 16 ins. diam. bears
N. $87\frac{1}{4}^{\circ}$ N. 15 lbs. dist. marked
T. 31 N. P. 1 E. S. 17 B. T.

Land rolling.

Soil 3rd rate.

Timber, pine and cedar

Heavily timbered land 80 chs.

50

- N. $89^{\circ}58'E$. on a random line bet secs. 16 and 20.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.14 Intersect N and S. line 5 lks N of the cor. of secs. 15, 16, 21 and 22.
- Thence Drum.
- West. on a true line bet secs 16 and 21. through heavy timber.
- 40.07 Set a limestone $18 \times 8 \times 6$ ins 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face from which,
- A pine 10 ins. diam. bears S. $76^{\circ}E$. 27 lks. dist. marked $\frac{1}{4}$ S. 21 B.T.
- A pine 8 ins. diam. bears N. $29\frac{1}{4}^{\circ}$ N. 8 lks. dist. marked $\frac{1}{4}$ S. 16 B.T.

80.14

The co. of sec. 16, 17, 20 and 21.

Land rolling

Soil rocky 4th rate

Timber Pine and cedar.

Heavily timbered land 80.14 chs.

N 0° 2' W bet sec 16 and 17.

Overrolling land, through
heavy timber.

40.00

Set a limestone 30 X 10 X 6 ins

22 ins. in the ground for 1/4 sec.

co. marked 4 on N. face,

from which,

A pine 14 ins. diam. bears

N. 20 1/4° E 43 lbs. dist. marked

1/4 S. 16 B.T.

A pine 6 ins. diam. bears

N. 79 1/2° W. 14 lbs. dist. marked

1/4 S. 17 B.T.

80.00

Set a limestone 36 X 16 X 6 ins.

52

27 ins. in the ground for
 co. of sec. 8, 9, 16 and 17.
 marked with 4 notches on
 S. and E. edges, from which
 a cedar 16 ins. diam. bears
 N. $74\frac{3}{4}^{\circ}$ E. 42 lbs. dist. marked.
 T. 31 N. R. 1 E. S. 9 B. T.

A cedar 16 ins. diam. bears
 S. $38\frac{1}{2}^{\circ}$ E. 72 lbs. dist. marked
 T. 31 N. R. 1 E. S. 16 B. T.

A cedar 12 ins. diam. bears
 S. $8\frac{1}{4}^{\circ}$ N. 31 lbs. dist. marked.
 T. 31 N. R. 1 E. S. 17 B. T.

A pine 12 ins. diam. bears
 N. $27\frac{1}{2}^{\circ}$ N. 35 lbs. dist. marked
 T. 31 N. R. 1 E. S. 8 B. T.

Land rolling
 Soil rocky & thrate.
 Timber, cedar and pine.

Heavily timbered land 80. cha

East on a random line bet secs
9 and 16.

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

80.16 Intersect N and S line 16 lbs
N of the cor of secs. 9, 10, 15 and 16.

Thence down

N $89^{\circ} 53'$ W. on a true line
bet. secs. 9 and 16.

Over rolling land, through
heavy timber

40.08 Set a limestone $30 \times 12 \times 10$ ins

22 ins in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on $\frac{3}{4}$

face, from which

A pine 10 ins diam. bears
S $21\frac{1}{4}^{\circ}$ W. 23 lbs. dist. marked
 $\frac{1}{4}$ S. 16 B.T.

A pine 8 ins diam. bears

54

N. $65\frac{1}{4}^{\circ}$ W. 20 lbs. dist. marked
 $\frac{1}{4}$ S. 9 B.T.
 80.16 The cor. of secs. 8, 9, 16 and 17
 Land rolling.
 Soil rocky 4th rate.
 Timber pine and cedar.
 Heavily timbered land 80.16 chs.
 October 30th 1900.

N. $00^{\circ} 2'$ W. bet secs. 8 and 9.
 Over rolling land, through
 heavy timber.
 40.00 Set a limestone $18 \times 16 \times 3$ ins
 12 ins. in the ground for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on N.
 face, from which,
 A pine 12 ins. diam bears
 $8.27^{\circ} E$ 7 lbs. dist. marked
 $\frac{1}{4}$ S. 9 B.T.
 A pine 6 ins. diam. bears

S $78\frac{1}{2}^{\circ}$ N. 16 lbs. dist. marked
 $\frac{1}{4}$ S. 8 B.T.

80.00

Set a limestone $24 \times 20 \times 5$
 ins. 18 ins. in the ground for
 cor. of sec. 45, 8 and 9, marked
 with 5 notches on S and 4
 notches on E edges, from which

A pine 12 ins. diam. bears
 N $55\frac{1}{2}^{\circ}$ E. 19 lbs. dist. marked
 T. 31 N. P. 1 E. S. 4 B.T.

A pine 12 ins. diam. bears
 S. $53\frac{1}{4}^{\circ}$ E. 18 lbs. dist. marked
 T. 31 N. P. 1 E. S. 9 B.T.

A cedar 12 ins. diam. bears
 S. $11\frac{1}{2}^{\circ}$ N. 31 lbs. dist. marked.
 T. 31 N. P. 1 E. S. 8 B.T.

A pine 10 ins. diam. bears
 N. $28\frac{3}{4}^{\circ}$ W. 15 lbs. dist. marked
 T. 31 N. P. 1 E. S. 5 B.T.

56

Land rolling.

Soil 3rd and 4th rate.

Timber pine and cedar.

Heavily timbered land 80 chs.

S. 89° 53' E. on a true
line bet secs. 4 and 9.
~~through heavy timber~~

40.00

Set a limestone 20x10x4
ins. 15 ins. in the ground
for 1/4 sec. cor. marked 1/4 on
N. face, from which,
A pine 14 ins. diam. bears
S 28 1/2° E. 21 lbs. dist. marked
1/4 S. 9 B.T.A pine 10 ins. diam. bears
N. 56° W. 36 lbs. dist. marked
1/4 S. 4 B.T.

41.50

Rim of Grand Cañon
Land rough, mountainous.

Soil rocky, 4th rate
 Timber, pine and cedar.
 Heavily timbered land 4.50 ch

- 40.00 N. 0° 2' W. on a true line
 bet. sec. 4 and 5. through
 heavy timber.
 Set temp $\frac{1}{4}$ sec. cor.
- 47.00 The rim of Grand Cañon
 impossible to go farther.
 Therefore at
- 40.00 Set a limestone 20x12x8
 ins. 15 ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
 N. face, from which.
 A pine 8 ins. diam. bears
 S. 47 $\frac{1}{2}$ ° E. 14 lbs. dist. marked
 $\frac{1}{4}$ S. 4 B.T.
- A pine 14 ins. diam. bears
 S. 42° W. 9.3 lbs. dist. marked

1/4 S. 5 B. T.

47.00

From rim, the cor of
secs. 4, 5, 8 and 9.

Land rolling.

Soil rocky 4th rate.

Timber. Pines and cedar.

Heavily timbered land 47 chs.

October 31st 1900.

From the cor of secs
5, 6, 31 and 32 on the
S. bdy. of the Tp, which
is a limestone 10x10x8
ins above ground previously
set by me. I run.

40.00

7 1/2 x 7 1/2 ft. bet. secs 31 and 32
through dense undergrowth.
Set a limestone 20x14x4 ins
15 ins. in the ground for 1/4 sec
cor. marked 1/4 on N. face

dig pits 18X18X12 ins. N and
S. of stone 3 1/2 ft. dist, and
raise a mound of earth 3 1/2
ft. base 1 1/2 ft high N. of
cov.

80.00

Set a limestone 24X12X6
ins 18 ins. in the ground
for cov. of sec. 29, 30, 31
and 32 marked with 1
notch on S and 5 notches
on E edge, from which.

A cedar 12 ins. diam bears
N. 66° E 340 lbs. dist. marked
T. 31 N. R. E. S. 29 B. T.

A cedar 10 ins. diam bears
S. 64 3/4° E. 100 lbs. dist. marked
T. 31 N. R. E. S. 32 B. T.

A cedar 4 ins. diam bears
S. 27° W. 23 lbs. dist marked

T3, N. R, E. S. 31 B. 1.

A cedar 18 ins diam. bears
N. 41° W. 75 lbs. dist. marked

T3, N. R, E. S. 30 B. 1.

Land rolling.

Soil 3rd rate.

Timber cedar and pine.

Dense undergrowth. 80 chs.

S. 89° 53' E on a random
line bet. sec. 29 and 32.

40.00 Set temp. 1/4 sec. cor.

80.09 Intersect N. and S. line
12 lbs. N of the cor. of sec.

28, 29, 32 and 33

Thence Drum

N. 89° 48' W. on a true line
bet. sec. 29 and 32.

Over rolling land, through
dense underbrush.

Concluded, Book 607.