

N^o 1

SUBDIVISIONS

T. 30 N. R. 1 E.

BOOK 598

No. 598

JACOBS.

4-671

598

FIELD NOTES
GENERAL LAND OFFICE.

No. 598

FIELD NOTES
of the Survey of the

SUBDIVISION LINES

of

Township N^o 30 North
Range N^o 1 East

of the

PRINCIPAL BASE AND
MERIDIAN

in the

TERRITORY OF ARIZONA

As Surveyed By

FRANCIS B. JACOBS.

U.S. Deputy Surveyor

Under His Contract N^o 73.

Dated June 13th 1900

Survey Commenced Oct. 5th 1900

Survey Completed Oct. 21st 1900

Names and duties of Assistants
 Alfred J. McMullan chainman
 J. William Donnelly chainman
 Harry W. Thompson Axeman
 Emery Miller Axeman
 Edward Leppin Flagman

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BOOK 598

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Township 30 North Range 1 East

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Survey commenced Oct 5th, 1900, and executed with a W. & S. E. Gurley light mountain transit heretofore described.

I test the transit on the meridian established by observations on Polaris September 26th, 1900, in accordance with the instructions in the manual and by P.M. and A.M. solar observations find the adjustment correct.

I commence at the cor. of secs. 1, 2, 30 and 36, on the S. bdy. of the T.P. which is a stone previously set by me. Thence I run N. 0° 01' W. bet secs. 30 and 36.

10.00

Descend

21.00

Bottom of cañon, 200 ft.
below cor., course $N. 60^{\circ} W.$

31.00

Top of bank.

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
whichA pine 16 ins. diam bears
 $N. 74\frac{1}{2}^{\circ} E.$ 121 lbs. dist. marked
 $\frac{1}{4} S. 36$ B.T.A pine 14 ins. diam bears
 $S. 36\frac{1}{2}^{\circ} W.$ 114 lbs. dist. marked
 $\frac{1}{4} S. 30$ B.T.

63.50

Descend

70.00

Bottom of cañon, course $N.$

75.00

Top of bank.

80.00

Set a limestone $24 \times 10 \times 6$ ins.
18 ins. in the ground for cor. of

secs. 20, 26, 30 and 36. marked
with notch on S. and E. edges
from which

A pine 12 ins. diam bears
N. 36° E. 57 lbs. dist marked.

T. 30 N. R. 1 E. S. 20 B.T.

A pine 8 ins. diam bears
S. 27° E. 34 lbs. dist marked

T. 30 N. R. 1 E. S. 36 B.T.

A cedar 12 ins. diam bears
S. 70 $\frac{1}{4}$ ° W. 51 lbs. dist marked

T. 30 N. R. 1 E. S. 36 B.T.

A pine 8 ins. diam bears
N. 55 $\frac{1}{4}$ ° W. 17 lbs. dist marked

T. 30 N. R. 1 E. S. 26 B.T.

Land mountainous.

Soil, 4th rate.

Timber, cedar and pine.

Heavily timbered. 80, Chs.

S89°50'E on a random line bet.
secs. 25 and 36.

40.00 Set temp. 1/4 sec. cov.

79.56 I intersect E. bdy of T_p. 25 lbs
S. of the cor. of secs 25, 30, 31
and 36, which is a limestone
6x10x6 ins. above ground previously
set by me.

Thence I run

S. 89°58' N. on a true line bet
secs. 25 and 36

Over rolling rocky land.

39.78 Set a limestone 18x12x6 ins
12 ins. in the ground for 1/4 sec.
cor. marked 1/4 on N. face from
which,

A pine 1 1/4 ins. diam. bears
N. 59 1/2° E. 59 lbs. dist. marked
1/4 S. 25 B.D.

A pine 12 ins. diam. bears
 S. $27\frac{1}{2}^{\circ}$ W. 47 lbs dist marked
 $\frac{1}{4}$ S. 36 B.T.

79.56

The cor. of secs 25, 26, 35 and 36.
 Land. rocky, rolling.
 Soil. rocky 4th rate.
 Timber. pine and cedar.
 Heavily timbered 79.56 chs.

N. $0^{\circ} 01'$ W. bet. secs 25 and 26.

2.00

Descend

8.10

Bottom of cañon course S. W.

20.00

Top of bank.

40.00

Set a limestone $24 \times 10 \times 6$ ins. ¹⁸ fine
 in the ground for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on N. face, from which
 A cedar 24 ins. diam. bears
 S. $76\frac{1}{2}^{\circ}$ W. 63 lbs dist. marked
 $\frac{1}{4}$ S. 26 B.T.

8

a pine 10 ins. diam. bears
 S. 22° E. 30 lbs. dist. marked.
 $\frac{1}{4}$ S. 25 B.T.

80.00

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

A pine 8 ins. diam. bears
 N. $12\frac{1}{4}^{\circ}$ E. 28 lbs. dist. marked
 T. 30 N. R. 1 E. S. 24 B.T.

A pine 8 ins. diam. bears
 S. $46\frac{3}{4}^{\circ}$ E. 13 lbs. dist. marked
 T. 30 N. R. 1 E. S. 20 B.T.

A pine 8 ins. diam. bears
 S. $80\frac{3}{4}^{\circ}$ W. 11 lbs. dist. marked
 T. 30 N. R. 1 E. S. 26 B.T.

A pine 8 ins. diam. bears
 N. $68\frac{3}{4}^{\circ}$ W. 69 lbs. dist. marked

T. 30 N. R. 1 E. S. 23 B.T.

Land, rolling.

Soil, 3rd rate

Timber pine and cedar.

Heavily timbered 80 chs.

N 89° 58' E
on a random line bet. secs.
24 and 25.

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

79.56 Intersect E bdy. of Twp. 3 lbs
S. of cor. of secs. 19, 24, 25 and 30
which is a sandstone 6 x 12 x 6 ins
above ground, previously set by
me.

Thence I run

S 89° 57' W. on a true line
bet. secs. 24 and 25.

Over rolling land.

39.78

Set a limestone 18 x 10 x 8 ins.

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

A pine 10 ins. diam. bears
 S. $14\frac{3}{4}^{\circ}$ E. 6 lks. dist. marked
 $\frac{1}{4}$ S. 25 B.T.

A pine 8 ins. diam. bears
 N. $12\frac{1}{2}^{\circ}$ W. 24 lks. dist. marked
 $\frac{1}{4}$ S. 24 B.T.

79.56

The cor. of secs. 23, 24, 25 and 26.

Land, rolling.

Soil, 3rd rate

Timber Pine and cedar.

Heavily timbered 79.56 chs.

October 6 1900

N. o. 1st W. bet. sects 23 and 24.

Over rough rolling land.

40.00

Set a limestone 18 X 6 X 6 ins

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

A fine 14 ins. diam. bears
N. $87\frac{1}{2}^{\circ}$ E 22 lbs. dist. marked
 $\frac{1}{4}$ S. 24 B.T.

A fine 8 ins. diam. bears
S. $79\frac{1}{2}^{\circ}$ W. 68 lbs. dist. marked
 $\frac{1}{4}$ S. 23 B.T.

53.00

Ravine, course S.W.

77.00

Canyon course S.E.

80.00

Set a limestone $20 \times 12 \times 6$ ins
15 ins in the 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 10 ins. diam. bears
N. 89° E. 55 lbs. dist. marked
T. 30 N. R. E. S. 13 B.T.

12

A cedar 20 ins. diam. bears
 S. 94° E. 66 lbs. dist. marked
 T. 30 N. R. 16. S. 24 B.T.

A pine 12 ins. diam. bears
 S. $78\frac{1}{2}^{\circ}$ W. 39 lbs. dist. marked
 T. 30 N. R. 16 S. 23 B.T.

A pine 10 ins. diam. bears
 N. $83\frac{3}{4}^{\circ}$ W. 11 lbs. dist. marked
 T. 30 N. R. 16 S. 14 B.T.

Land, rough rolling

Soil, rocky 4th rate

Timber pine and cedar

Heavily timbered rocks.

$799^{\circ} 37^{\circ} 19^{\circ}$ on a random line bet. secs.

13 and 24.

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

79.55 Intersect E. bdy of T. 7 lbs
 S. of the cor. of secs 13, 16, 19 and

24 which is a sandstone
5x14x5 ins. above ground. previous-
ly set by me.

Thence Iron.

S. $89^{\circ}54'$ W. on a true line
bet. secs. 13 and 24.

Over rolling land.

30.60 Gulch course N. 24.

39.77 1/2 Set a sandstone 18x10x4 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
N. $6^{\circ}E$ 3 lbs. dist. marked
1/4 S. 13 B.T.

A pine 16 ins. diam. bears
S. $30^{\circ}E$ 8 lbs. dist. marked
1/4 S. 24 B.T.

79.05 The cor. of secs. 13, 14, 23 and 24.
Land rolling.

14

Soil, 3rd and 4th rate
 Timber, pine and cedar.
 Heavily timbered 79.55 chs.

N. 0 ~~1~~ 2 bet. sec 13 and 14.

8.00 Descend.

40.00 Set a sandstone 20x8x6 ins
 15 ins. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N. face, from
 which,

A cedar 12 ins. diam. bears
 N. 60° E 7 lbs. dist. marked
 $\frac{1}{4}$ S. 13 B.T.

A pine 12 ins. diam bears
 N. 26 $\frac{3}{4}$ ° W. 48 lbs. dist. marked
 $\frac{1}{4}$ S. 14 B.T.

55.54 A pine 4 ins. diam. on line
 mark with 2 notches on N and S sides.

68.82 Wagon road from End of track

to Cataract cañon bears S. 75° E.
and N. 75° W.

- 80.00 Set a limestone 24x12x10 ins
18 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 pine 12 ins diam. bears
N. 84½° E 21 lbs. dist. marked
T. 30 N. R. E. S. 12 B. T.
- A pine 12 ins diam bears
S. 19½° E. 8 lbs. dist. marked
T. 30 N. R. E. S. 13 B. T.
- A pine 12 ins diam bears
S. 26° W. 36 lbs. dist. marked
T. 30 N. R. E. S. 14 B. T.
- A pine 10 ins diam bears
N. 50¼° W. 58 lbs. dist. marked
T. 30 N. R. E. S. 11 B. T.

16

Land, rolling.

Soil, 2nd and 4th rate.

Timber, pine and cedar.

Heavily timbered 80. chs.

$N. 89^{\circ} 54' E.$ on a random line
bet. secs. 12 and 13.

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

79.60 Intersect E. bdy. of Twp. 5th
lks. N. of cor. of secs. 7, 12, 23
and 18 which is a limestone
 $6 \times 10 \times 6$ ins. above ground, prev-
iously set by me.

Thence I run

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

1.50 Top of hill

39.80 Set a limestone $20 \times 8 \times 4$ ins.
5 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
S. 77° $2\frac{1}{2}$ 10 lbs. dist. marked.
 $\frac{1}{4}$ S. 13 B. T.

A pine 16 ins. diam. bears
N. 23° $2\frac{1}{2}$ 37 lbs. dist. marked
 $\frac{1}{4}$ S. 12 B. T.

79.60

The cor. to sec. 11-12-13+14
Land rolling.

Soil 3rd rate

Timber cedar and pine

Heavily timbered 79.60 chs.

October 7th 1900

N. 0° $1'$ N. bet. secs. 11 and 12.

17.60

Descend

20.50

Cañon course S. N.

23.10

Top of bank.

29.60

Descend

18

- 36.00 Edge of wash course S.
- 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 ~~pine~~ 10 ins. diam. bears
N. $79^{\circ} 4'$ E. 102 lbs. dist. marked
 $\frac{1}{4}$ S. 12 B.T. - no more trees
within limits.
- Dig pits $18 \times 18 \times 12$ ins. N. and S.
of stone 3 ft. dist. and raise a
mound of earth $3\frac{1}{2}$ ft. base
 $1\frac{1}{2}$ ft. high N. of cor.
- 45.75 Top of bank.
- 51.25 Descend
- 52.65 Re-enter wash
- 56.09 Road follows cañon.
- 58.00 Ascend
- 59.50 Top of E. end of ridge.

62.80 Re. enter wash.

63.60 Road.

67.00 Ascend

69.00 Top of bank.

78.00 Descend

80.00 Set a sandstone $36 \times 12 \times 4$ ins

27 ins. in. the ground for cor of
secs. 1, 2, 11, and 12, marked
with σ -notches on S and
notches on E edges, from which

A pine 30 ins. diam. bears
S. $36 \frac{1}{2}^{\circ}$ E. 179 lbs. dist. marked
T. 30 N. R. 1 E. S. 12 B. T.

A cedar 10 ins. diam. bears
S. $60 \frac{1}{2}^{\circ}$ N. 134 lbs. dist. marked
T. 30 N. R. 1 E. S. 11 B. T. - no more
trees within limits.

Dig pits $18 \times 18 \times 12$ ins. in
each sec. $5 \frac{1}{2}$ ft. dist; and

raise a mound of earth
4 ft. base, 2 ft. high $\frac{1}{2}$ of cor.

Land mountainous.

Soil 2nd and 4th rate.

Timber, pine and cedar.

Heavily timbered 80 chs.

N. $89^{\circ} 56' E$ on a random line
bet. secs. 1 and 12.

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

79.74 Intersect E bdy of Tp 4 lke.

Sof cor. of sec. 1, 6, 7 and 12
which is a sandstone $5 \times 10 \times 6$
ins. above ground previously
set by me.

Thence I run

S. $89^{\circ} 54' N$ on a true line
bet. secs. 1 and 12.

Over mountainous land.

7.60

Road bears N $70^{\circ} E$ and S $75^{\circ} 02' N$.

- 13.50 Ascend.
- 17.00 Top of bank.
- 39.80 Mogui trail, from End
of track to Supai village.
- 39.87 Set a limestone $18 \times 10 \times 4$ ins.
12 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
N. $42\frac{1}{2}^{\circ}$ E. 21 lbs. dist. marked
 $\frac{1}{4}$ S. 1 B. T.
- A pine 10 ins. diam. bears
S. $75\frac{1}{4}^{\circ}$ E. 11 lbs. dist. marked
 $\frac{1}{4}$ S. 12 B. T.
- 44.04 Top of flat ridge.
- 47.64 Top of bank.
- 54.74 Edge of gulch, course S.
- 56.14 Ascend
- 65.34 Top of bank.

22

68.34 Descend

77.02 Road, follows cañon.

79.74 The cor of secs 1, 2, 11 and 12.

Land mountainous.

Soil, rocky. 4th rate.

Timber, cedar and pine.

Heavily timbered. 79.74 chs

$N. 0^{\circ} 1' W.$ on a random line
bet. secs. 1 and 2.

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

80.00 Intersect $\frac{1}{4}$ bdy. of $\frac{1}{4}$ p
18 lbs. $N.$ of cor. of secs 1, 2,
35 and 36 which is a limestone
 $6 \times 15 \times 6$ ins. above ground previously
set by me.

Thence Drum.

$S. 0^{\circ} 9' W.$ on a true line
bet. secs. 1 and 2.

Over, rolling land

40.00 Set a limestone 20x12x3 ins
 15 ins. in the ground for 1/4
 sec. cor. marked 1/4 on 2d.
 face, from which,
 A pine 8 ins. diam. bears
 S. 39° E. 6 lbs. dist. marked
 1/4 S. 1 B.T.

A cedar 20 ins. diam. bears
 S. 66° W. 33 lbs. dist. marked
 1/4 S. 2 B.T.

79.59 Wagon road bears East W.

80.00 The cor. of secs 1, 2, 11 and 12.

Land rolling.
 Soil rocky, 4th rate.
 Timber, cedar and pine.
 Heavily timbered 80 chs.
 October 8th 1900.

24

From the cor. of secs. 2, 3
34 and 35, on the S bdy of the
T₁p. which is a limestone
8x10x6 ins. above the ground
previously set by me. True.

N. 0° 1' W bet. sec. 34 and 35.

6.50

Descend.

8.80

Gulch course S. W. ascend.

14.00

Top of bank.

40.00

Set a cedar post 3 ft. long
6 ins. sq. 24 ins. in the
ground for $\frac{1}{4}$ sec. cor. mark-
ed $\frac{1}{4}$ S 34 on W. and S. 35 on
E. faces. from which,

A pine 18 ins. diam. bears
N. 29 $\frac{3}{4}$ ° E. 120 lbs. dist. marked
 $\frac{1}{4}$ S. 35 B. T.

A cedar 16 ins. diam. bears
N. 82 $\frac{1}{2}$ ° W. 105 lbs. dist. marked
 $\frac{1}{4}$ S. 34 B. T.

80.00

Set a limestone $18 \times 16 \times 6$ ins.
 12 ins. in the ground for cor.
 of secs. 26, 27, 34 and 35,
 marked with 1 notch on
 S. and 2 notched on E. edges
 from which

A pine 12 ins. diam. bears
 $N. 38^{\circ} E. 50$ lbs. dist. marked
 $T. 30 N. R. 1 E. S. 26 B. T.$

A pine 8 ins. diam. bears
 $S 58 \frac{1}{4}^{\circ} E. 62$ lbs. dist. marked
 $T. 30 N. R. 1 E. S. 35 B. T.$

A pine 10 ins. diam. bears
 $S 65 \frac{1}{2}^{\circ} N. 16$ lbs. dist. marked
 $T. 30 N. R. 1 E. S. 34 B. T.$

A pine 20 ins. diam.
 bears $N. 3^{\circ} N. 68$ lbs. dist.
 marked $T. 30 N. R. 1 E. S. 27 B. T.$

Land, rolling.

Soil, 3rd rate.

Timber pine and cedar.
 Heavily timbered so chs.

S. $89^{\circ}50'$ E on a random
 line bet sec. 26 and 30.

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

79.58 Intersect N. and S. line
 36 lbs N of cor. of sec. 25,
 26, 35 and 36. thence S run.

N. $89^{\circ}35'$ W on a true line
 bet. sec. 26 and 30.

21.50 Ascend.

39.79 Set a limestone $20 \times 12 \times 6$ ins
 15 ins. in the ground for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on N.
 face from which.

A pine 10 ins. in diam
 bears N. $1\frac{1}{2}^{\circ}$ E. 98 lbs. dist.

Marked $\frac{1}{4}$ S 26 B.F.

A pine 10 ins. diam. bears
 S 43° E. 103 lbs. dist. marked
 1/4 S. 35. B.T.

47.60 Descend.

79.58 The cor. of sec. 26, 27, 34 and 35.

Land rolling.

Soil 2nd and 4th rate.

Timber, pine and cedar.

Heavily timbered 79.58 chs.

No. 1' N. bet sec 26 and 27.

40.00

Set a cedar post 3 ft long
 3 ins. sq. 24 ins. in the
 ground for 1/4 sec. cor.
 marked 1/4 S 27 on N. and
 S 26 on E faces from which
 A cedar 36 ins. diam. bears
 S. 71 1/2° E. 78 lbs. dist. marked
 1/4 S 26 B.T.

A pine 12 ins. diam. bears

28

N. $49\frac{3}{4}^{\circ}$ W. 168 lbs. dist. marked
14827 B.T.

8050

Set a limestone $18 \times 16 \times 4$
ins. 12 ins. in the ground
for cor. of secs 22, 23, 26
and 27, marked with 2
notches on S and E edges,
from which,

A fine 8 ins. diam. bears
N. $53\frac{1}{2}^{\circ}$ E. 31 lbs. dist. marked
T. 30 N. R. E. S. 23 B.T.

A fine 16 ins. diam. bears
S. $28\frac{1}{2}^{\circ}$ E. 31 lbs. dist. marked
T. 30 N. R. E. S. 26 B.T.

A fine 12 ins. diam. bears
S. $67\frac{1}{2}^{\circ}$ W. 68 lbs. dist. marked
T. 30 N. R. E. S. 27 B.T.

A fine 10 ins. diam. bears
N. $25\frac{1}{2}^{\circ}$ W. 40 lbs. dist. marked
T. 30 N. R. E. S. 22 B.T.

Land rolling

Soil 3rd rate

Timber cedar and pine.

Heavily timbered 80. chs.

S. $89^{\circ}35'E$ on a random line
bet. secs. 23 and 26.

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

79.66 Intersect N. and S. line 6 lbs
S. of cor. of secs 23, 24, 25 and
26.

Thence Drive,

N. $89^{\circ}38'N$. on a true line
bet. secs. 23 and 26.

39.83 Set a limestone $18 \times 16 \times 6$ ins
12 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N. face
from which,

A pine 8 ins. diam. bears
S. $39\frac{1}{2}^{\circ}E$. 27 lbs dist. marked

30

 $\frac{1}{4}$ S. 26 B.T.

A cedar 18 ins. diam. bears
 N. $45^{\circ}\frac{3}{4}$ W. 15 lks. dist. marked

 $\frac{1}{4}$ S. 23 B.T.

79.66

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

Land rolling.

Soil 4th rate

Timber cedar and pine.

Heavily timbered 79.66 chs.
 Oct. 9 1900N. $0^{\circ}1'$ W. bet secs. 22 and 23.

16.50

Descend

20.00

Gulch course N.W. ascend.

21.40

Top of bank. Descend.

28.75

Gulch, course N. ascend.

29.00

Top of bank

30.67

A pine 18 ins. diam on line
 mark with 2 notches on N and S sides.

40.00

Set a limestone $18 \times 12 \times 4$ ins.
 12 ins. in the ground for $\frac{1}{4}$ sec.

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cor. marked $\frac{1}{4}$ on N. face,
from which,

A pine 14 ins. diam. bears

N. 29° E. 66 lbs. dist. marked
 $\frac{1}{4}$ S. 23 B.T.

A pine 10 ins. diam. bears

S. $52\frac{3}{4}^{\circ}$ W. 50 lbs. dist. marked
 $\frac{1}{4}$ S. 22 B.T.

80.00

Set a limestone $18 \times 10 \times 3$ ins.

12 ins. in the ground for cor.
of sec. 14, 15, 22 and 23

marked with 3 notches
on S. and 2 notches on E
edges, from which.

A cedar 18 ins. diam. bears

N. $15\frac{1}{2}^{\circ}$ E. 8 lbs. dist. marked
T. 30 N. R. E. S. 14 B.T.

A cedar 18 ins. diam. bears

S. $42\frac{1}{2}^{\circ}$ E. 68 lbs. dist. marked
T. 30 N. R. E. S. 23 B.T.

32

A cedar 10 ins. diam. bears
 S. $27\frac{3}{4}^{\circ}$ W. 8 lbs. dist. marked
 T. 30 N. R. 1 E. S. 22 B. T.

A cedar 20 ins. diam. bears
 N. $58\frac{1}{2}^{\circ}$ W. 47 lbs. dist. marked
 T. 30 N. R. 1 E. S. 15 B. T.

Land rolling.

Soil, 4th rate.

Timber cedar and pine.

Heavily timbered 80. Chs.

S. $89^{\circ}38'E$ on a random line
 bet. secs. 14 and 23.

4000 Set temp $\frac{1}{4}$ sec. cor.

79.53 Intersect N. and S line 18
 lbs. N. of cor. of secs. 13, 14
 23 and 24.

Thence Drive.

N. $89^{\circ}30' W$ on a true line
 bet. secs. 14 and 23.

39.76 1/2 Set a limestone 30 X 15 X 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
S. 19 1/2° W. 147 lbs. dist. marked
1/4 S. 23 B.T.

A cedar 24 ins. diam. bears
N. 18° W. 83 lbs. dist. marked.
1/4 S. 14 B.T.

79.53 The cor. of secs 14, 15, 22 and 23

Land rolling.

Soil 2nd and 4th rate.

Timber pine and cedar.

Heavily timbered 79.53 chs.

N. 0° 1' W. bet. secs. 14 and 15.

9.00 Descend

24.00 Wash course W.

34

27.00

Ascend.

36.00

Top of ridge bears Band W.
Descend

40.00

Set a limestone $20 \times 12 \times 6$ ins.
15 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on W face
from which,

A pine 20 ins. diam bears
S. $75\frac{3}{4}^{\circ}$ E. 37. lbs. dist. marked
 $\frac{1}{4}$ S. 14 B.T.

A cedar 18 ins. diam. bears
N. $78\frac{1}{2}^{\circ}$ W. 19 lbs. dist. marked
 $\frac{1}{4}$ S. 15 B.T.

80.00

Set a limestone $18 \times 12 \times 6$ ins.
12 ins. in the ground for cor. of
secs. 10, 11, 14 and 15 marked
with 4 notches on S and 2
notches on E edges, from
which,

A pine 18 ins. diam bears

S. $59^{\circ} \frac{3}{4}$ E. 155 lbs. dist marked
 T. 30 N. R. 1 E. S. 14 B. 1,

A pine 24 ins. diam. bears
 S. $19^{\circ} \frac{1}{4}$ W. 243 lbs. dist marked
 T. 30 N. R. 1 E. S. 15 B. 1. - no
 more trees within limits.

Dig pits 18x18x12 ins
 in each sec. $5\frac{1}{2}$ ft. dist.
 - and raise a mound of
 earth 4 ft. base, 2 ft.
 high N. of cov.

Land rolling.

Soil stony 4th rate.

Timber Cedar and pine.

Heavily timbered. 80 Chs.

S. $89^{\circ} 30'$ E. on a random
 line bet. secs 11 and 14.

40.00

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

79.54

Intersect N and S line

28 lbs. S of cor. of secs,
11, 12, 13 and 14.

Thence Drun.

N. $89^{\circ}42'$ 2k. on a true line
bet. secs. 11 and 14.

39.77 Set a limestone $18 \times 16 \times 10$ 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. $50\frac{1}{2}^{\circ}$ E. 16 lbs. dist. marked
 $\frac{1}{4}$ S. 11 B.T.

A pine 10 ins. diam bears
S 18° E. 65 lbs. dist. marked
 $\frac{1}{4}$ S. 14 B.T.

65.20 Road from End of Track
to Cataract bears S.E. and
N. 2k.

79.04 The cor. of secs. 10, 11, 14 and 15.

Land, rolling.

Soil, 3rd rate

Timber, pine and cedar.

Heavily timbered 795 4 chs.

Oct. 10th 1900

N. 0° 1' W. bet secs 10 and 11.

4.35

Road bears E and W.

5.25

Road from End of Track to
Cataract Cañon bears S. E and
N. W.

14.00

Leave wash, ascend.

40.00

Set a pine post 3 ft long
6 ins. sq. 24 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S. 10 on W. and
S. 11 on E faces. from which
A pine 12 ins. diam. bears
N. 59 $\frac{3}{4}$ ° E 18 lbs. dist. marked
 $\frac{1}{4}$ S. 11 B.T.

38

A pine 10 ins. diam. bears
S. $88\frac{1}{4}^{\circ}$ W. 15 lbs. dist. marked
 $\frac{1}{4}$ S. 10 B.T.

80.00 Set a sandstone 18x12x6 ins
12 ins. in the ground for cor.
of secs. 2, 3, 10 and 11. marked
with 5 notches on 8 and 2
notches on E edges. from which

A cedar 18 ins. diam. bears
N. 38° E. 100 lbs. dist. marked
N. 30 N. R. E. S. 2 B.T.

A pine 12 ins. diam. bears
S. $64\frac{1}{4}^{\circ}$ E. 84 lbs. dist. marked
N. 30 N. R. E. S. 11 B.T.

A pine 8 ins. diam. bears
S. 46° W. 74 lbs. dist. marked
N. 30 N. R. E. S. 10 B.T.

✓ No more trees near. Entry impracticable.
Land, rolling.

Soil rocky 4th rate.

No more trees near.

Timber cedar and pine,
 and dense undergrowth
 Heavily timbered \approx 50 chs.

S. $89^{\circ} 42' E$ on a random line
 bet. sec 2 and 11.

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

79.59. Intersect N. and S. line 28 lbs

N. of cor. of sec 1, 2, 11 and 12.

Thence I run

N. $89^{\circ} 30' W$ on a true line
 bet. secs. 2 and 11.

1.88 Road bears N $70^{\circ} E$ and South,

7.00 Leave wash. ascend.

12.00 Top of bank.

39.79 $\frac{1}{2}$ Set a sandstone $18 \times 8 \times 6$ ins

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

cor. marked $\frac{1}{4}$ on N. face from
 which.

A pine 14 ins diam. bears
 N. $27^{\circ} \frac{3}{4} W$ 79 lbs. dist. marked

40

 $\frac{1}{4}$ S. 2 B.T.

A pine 12 in. diam. bears
S. $73\frac{1}{2}^{\circ}$ W. 38 lks. dist. marked

 $\frac{1}{4}$ S. 11 B.T.

79.59

The cor. of secs. 2, 3, 10 and 11.

Land rolling.

Soil rocky 4th rate.

Timber cedar and pine.

Heavily timbered 79.54 chs

N. 0° 1' W. on a random line
bet. sec. 2 and 3.

40.00

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

80.04

Intersect N. bdy of T.P.
12 lks. W. of cor. of secs 2, 3, 34
and 35 which is a limestone
8x12x4 in. above ground
previously set by me.

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

40.04 Set a limestone 20x12x8 ins.
 10 ins. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on W. face from
 which.

A pine 8 ins. diam. bears
 N. 77 $\frac{1}{2}$ ° E. 26 lbs. dist. marked
 $\frac{1}{4}$ S. 2 B.T.

A pine 10 ins. diam. bears
 S. 57° W. 66 lbs. dist. marked
 $\frac{1}{4}$ S. 3 B.T.

80.04 The cor. of sec. 2, 3, 10 and 11.

Land rolling.

Soil, rocky 4th rate.

Timber pine and cedar

Heavily timbered 80% chs.

Oct. 11 1900.

42

From the cor. of secs. 3, 4, 33
and 34 on S. bdy. of T₂P,
which is a limestone 6x18x4
ins. above ground, previously
set by me, I run,

N. 0° 2' W. bet. secs. 33 and 34.

- 4.30 Descend.
- 8.00 Bottom of cañon, course E.
- ✓ 9.12 Road. brs. N.W. & S.E.
- 10.00 Ascend.
- 12.00 Top of hill.
- 37.01 Pine 14 ins. diam. on line I mark
with 2 notches on N. and S. sides.
- 40.00 Set a limestone 18x12x6 ins
12 ins. in ground for 1/4 sec. cor.
marked 1/4 on W. face, from which,
A pine 12 ins. diam. bears
N. 85° 3/4° E. 93 lbs. dist. marked
1/4 S. 3/4 B. T.
- A pine 14 ins. diam. bears

S. 72° 24. 95 lbs. dist. marked

$\frac{1}{4}$ S. 33 B.T.

65.50

A stone monument 4 ft. base
7 ft. high (no marks) bears
S. 67° 24.

66.50

Descend, enter large wash.

80.00

Set a limestone $20 \times 10 \times 3$ ins.
10 ins. in the ground for cor. of
secs. 27, 28, 33 and 34 marked
with 1 notch on S and 3 notches
on E edges, from which:

A pine 14 ins. diam. bears
N. $62\frac{1}{4}^{\circ}$ E. 155 lbs. dist. marked

T. 30 N. R. E. S. 27 B.T.

A pine 10 ins. diam. bears
S. $50\frac{3}{4}^{\circ}$ E. 185 lbs. dist. marked

T. 30 N. R. E. S. 34 B.T. - no
more trees within limits.

Dig pits $18 \times 18 \times 12$ ins. in
each section $5\frac{1}{2}$ ft. dist

44

and raise a mound of earth 4 ft. base 2 ft. high $\frac{1}{4}$ of cor.

Land rolling.

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

Timber Pine and cedar.

Heavily timbered 80. chs.

S. $89^{\circ} 30' E$ on a random line bet. secs. 27 and 34.

40.00

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

79.84

Intersect N and S line 43 lbs.

S. of the cor. of secs 26, 27, 34 and 35;

Thence I run

S. $89^{\circ} 05' W$ on a true line bet. secs. 27 and 34.

37.92

Set a sandstone $20 \times 14 \times 3$ ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, from

which,

A cedar 12 ins. diam. bears
 $N. 10\frac{1}{2}^{\circ} E. 14$ lbs. dist. marked
 $1/4 S. 27 B.T.$

A cedar 10 ins. diam. bears
 $S. 26^{\circ} N. 8$ lbs. dist. marked
 $1/4 S. 34 B.T.$

78.34 Top of bank bears N and S .
 Descend.

79.84 The cor. of secs. 27, 28, 33 and 34.
 Land rolling.
 Soil rocky of the rate.
 Timber, cedar and pine.
 Heavily timbered 79.84 chs

$N. 0^{\circ} 2' N.$ bet. secs. 27 and 28.
 Along bottom of wash.
 Over level land.

37.00 Road bears $N. 10^{\circ} E$ and $S 15^{\circ} N.$
 40.00 Set a limestone $30 \times 10 \times 4$ ins.

46

22 ins. in the ground for $\frac{1}{2}$
 sec. cor. marked $\frac{1}{2}$ on
 W. face. Dig pits $18 \times 18 \times 12$ ins
 N. and S. of stone 3 ft. dist.
 and raise a mound of
 earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high
 W. of cor.

80.00

Set a limestone $30 \times 12 \times 5$ ins
 22 ins. in the ground for cor.
 of secs. 21, 22, 27 and 28.
 marked with 2 notches on S.
 and 3 notches on E. edges. Dig
 pits $18 \times 18 \times 12$ ins. in each sec.
 $5\frac{1}{2}$ ft. dist and raise a mound
 of earth 4 ft. base 2 ft. high
 W. of cor.

Land level.

Soil, 2nd rate.

Timber pine and cedar

Dense undergrowth so che.

N. $89^{\circ}55'E$. on a random line
bet. secs 22 and 27.

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

79.94 Intersect N. and S line 6 lbs.
N. of the cor. of secs. 22, 23, 26
and 27.

Thence Run

N. $89^{\circ}55'N$ on a true line
bet. secs. 22 and 27.

39.97 Set a limestone $20 \times 12 \times 5$ ins.
15 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face, from
which.

A pine 16 ins. diam. bears
S. $62\frac{1}{2}^{\circ}E$. 29 lbs. dist. marked
 $\frac{1}{4}$ S. 27 B.T.

A pine 14 ins. diam. bears
N. $20\frac{1}{2}^{\circ}N$. 61 lbs. dist. marked
 $\frac{1}{4}$ S. 22 B.T.

48

- 40.94 Top of bank descend.
 42.94 Gulch course N. W. ascend
 44.64 Top of bank.
 57.94 Descend.
 63.44 Enter wash.
 64.37 Road.
 69.94 Wagon road follows wash.
 79.94 The cor. of secs. 21, 22, 27 and
 28.

Land rolling

Soil 2nd and 4th rate.

Timber pine and cedar.

Recently timbered 79.94 chs.

October 12th 1900.

-
- N. 0° 2' W bet. secs 21 and 22.
 8.00 Leave wash. ascend.
 17.00 Top of bank
 40.00 Set a limestone 12 x 12 x 4 ins.
 Finis. in the ground for 1/4 sec.

cor. marked 14 on 3rd face from
which,

A cedar 14 ins. diam. bears
S 72 1/4° E. 130 lbs. dist.
marked 1/4 S. 22 B.T.

A pine 12 ins. ^{diam} bears S 54° W.
32 lbs. dist. marked 1/4 S. 21 B.T.

80.00

Set a limestone 20x10x6 ins.
15 ins. in the ground for cor. of
secs. 15, 16, 21 and 22, marked
with 3 notches on S and E
edges. from which.

A cedar 10 ins. diam. bears
S. 73° E. 127 lbs. dist. marked
T. 30 N. R. E. S. 22 B.T.

A cedar 12 ins. diam. bears
N. 77 1/2° W. 249 lbs. dist. marked
T. 30 N. R. E. S. 16 B.T. - no more
trees within limits.

Raise a mound of stone

Pot. impracticable

50

2 ft. base $1\frac{1}{2}$ ft. high $\frac{1}{4}$ of cor.
 Site impracticable
 Land, rolling.

Soil, rocky 4th rate.

Timber cedar and pine
 and dense undergrowth
 Heavily timbered, 80 chs.

N. $89^{\circ}05'$ E on a random line
 bet. sec. 15 and 22.

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

80.00 Intersect N. and S. line
 at cor. of sec. $1\frac{1}{4}$, 15, 22 and 23.

Thence run

S. $89^{\circ}05'$ W. on a true line
 bet. sec. 15 and 22.

23.00 Top of bank descend.

24.20 Entire wash.

32.08 Road bears N. and S.

40.00 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

- Dig pits 18x18x12 ins. E and W.
of stone 3 ft. dist. and raise a
mound of earth $3\frac{1}{2}$ ft. base
 $1\frac{1}{2}$ ft. high N. of cor.
- 44.25 Leave wash, ascend.
- 46.75 Top of bank.
- 71.96 Road bears N. and S.
- 80.00 The cor. of secs. 15, 16, 21 and 22.
Land rolling, cut by washes.
Soil 2nd and 4th rate
Timber cedar and pine.
Heavily timbered so chs.
-

- N. 0° 2' W. bet secs 15 and 16.
- 40.00 Set a limestone 20x14x4 ins.
15 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
S. 34° E 111 lks. dist marked

52

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

✓ A cedar 12 ins. diam. bears
S. 36° W. lks. dist. marked

 $\frac{1}{4}$ S. 16 B.T.

49.15

Road.

80.00

Set a limestone $24 \times 16 \times 4$
ins. 6 ins. in the ground to
bedrock, surrounded by
mound of stone, for cor. of
secs. 9, 10, 15 and 16, marked
with 4 notches on S and 3
notches on E edges, from
which,

A cedar 12 ins. diam bears
N. $35\frac{1}{2}^{\circ}$ W. 63 lks. dist. marked
N. 30 W. Q. 1 E. S. 9 B.T. - no more
trees within limits.

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

Land rolling
 Soil stony 4th rate
 Timber pine and cedar.
 Dense undergrowth 80. chs.

N. 89° 05' E. on a random line.
 bet. secs. 10 and 10-

40.00

Set temp 1/4 sec. cor.

80.05

Intersect N. and S line at
 Cor of secs 10, 11, 14 and 10-
 Thence Drum.

S. 89° 05' N. on a true line
 bet. secs 10 and 10-

3.15

Road on N 45 and work ascend

40.02 1/2

Set a sandstone 16X10X8 ins
 10 ins in the ground for 1/4
 sec. cor. marked 1/4 on N.
 face. Dig pits 18X18X12 ins
 E and N. of stone 3 ft. dist.
 and raise a mound of
 earth 3 1/2 ft. base 2 1/2 ft.

54

- high N. of cor.
 80.05 The cor. of secs. 9, 10, 15 and 16.
 Land rolling.
 Soil 4th rate.
 Timber cedar and pine.
 Dense undergrowth. 80.05
 October 13th 1900
-
- 40.00 N. 0° 2' W. bet secv. 9 and 10.
 Set a limestone 18x12x6 ins.
 2 ins in the ground for 1/4
 sec. cor. marked 1/4 on N.
 face. dig pits 18x18x2 ins
 N. and S. of stone 5 ft. dist
 and raise a mound of earth
 3 1/2 ft. base 1 1/2 ft. high N.
 of cor.
- 61.40 Road bears S. 70° E and N. 70°
 W.
- 50.00 Set a sandstone 20x18x4
 ins. 10 ins in the ground

for cor of secs 3, 4, 9 and 10
marked with 5 notches on
S and 3 notches on E edges
from which,

A cedar 24 ins. diam. bears
N. 47° E. 227 lbs. dist. marked
T. 30 N. R. 1 E. S. 3 B. T.

A cedar 4 ins. diam. bears
S. 10 1/2° E. 150 lbs. dist. marked
T. 30 N. R. 1 E. S. 10 B. T.

A cedar 18 ins. diam. bears
N. 66° W. 110 lbs. dist. marked
T. 30 N. R. 1 E. S. 4 B. T.

No other trees within limits. Pits impracticable.

Land rolling

Soil 3rd rate

Timber cedar and pine
and lower undergrowth
Heavily timbered, 80. chs.

N. 89° 55' E on a random line
bet. secs. 3 and 10.

No more trees in
vicinity

56

- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.90 Intersect N and S line
9 lks S. of the cor. of secs.
2, 3, 10 and 11.
Thence Drive.
S. $89^{\circ}51'$ N. on a true
line bet. secs. 3 and 10
- 39.95 Set a sandstone $18 \times 8 \times 5$ ins
12 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N.
face, from which.
A cedar 10 ins. diam. bears
N. $87\frac{1}{2}^{\circ}$ E. 133 lks. dist. marked
 $\frac{1}{4}$ S. 3 B.T.
- A pine 12 ins. diam. bears
S. 15° N. 27 lks. dist. marked
 $\frac{1}{4}$ S. 10 B.T.
- 79.90 The cor. of secs. 3, 4, 9 and 10.
Land, rolling
Soil 3rd rate.

Timber pine and cedar.

Heavily timbered 79.90 chs.

$N. 0^{\circ} 2' W.$ on a random line
bet secs 3 and 4.

40.00

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

79.88

Intersect n. bdy of R. p. in
lbs. N. of the cor of secs. 3, 4, 3
and 34 which is a pine
post. $12 \times 6 \times 6$ ins above the ground.

Thence S. m.,

$S. 0^{\circ} 12' W.$ on a true line
bet secs. 3 and 4.

39.88

Set a limestone. $20 \times 16 \times 4$ ins.
10 ins - in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ 4 on N. face.

Dig pits $18 \times 18 \times 12$ ins. N.
and S. of stone 3 ft. dist. and
raise a mound of earth $3\frac{1}{2}$ ft.

58

79.88

base $1\frac{1}{2}$ ft. high N. of cor.

The cor. of secs 3, 4, 9 and 10.

Land, rolling.

Soil. 3rd rate.

Timber pine and cedar.

Dense undergrowth 79.88 Cha.

October 14th 1900.

From the cor. of secs. 4, 5, 32
and 33 on S bdy. of Tp. which
is a cedar post $12 \times 4 \times 4$ ins
above ground in mound of
stone previously set by
me, I run.

N. 0° 3' W. bet secs. 32 and 33.

40.00

Set a limestone $18 \times 12 \times 3$ ins

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

A cedar 18 ins. diam. bears
 S. $41\ 3/4^\circ$ N. 112 lbs. dist. marked

$1/4$ S. 32 B.T.

No other tree within limits

80.00

Set a limestone $20 \times 12 \times 3$ ins

15 ins. in the ground for cor
 of secs 28, 29, 32 and 33,
 marked with 1 notch on S
 and 4 notches on E edges,
 from which,

A cedar 12 ins. diam. bears
 N. $64\ 3/4^\circ$ E 294 lbs. dist. marked

N. 30 N. R. 1 E. S. 28 B.T.

A cedar 10 ins. diam.
 bears S $35\ 1/2^\circ$ E. 180 lbs. dist. marked.

N. 30 N. R. 1 E. S. 33 B.T.

A pine 14 ins. diam. bears

60

S. $55^{\circ} 34'$ W. 220 lks. dist marked
 T. 30 N. P. 16 S. 32 B.T.

A cedar 16 ins. diam. bears
 N. 45° W. 171 lks. dist marked
 T. 30 N. P. 16 S. 29 B.T.

Land, level.

Soil, rocky 4th rate.

Timber, cedar and pine
 and dense undergrowth -
 Heavily timbered, 50. chs

S. $89^{\circ} 50'$ E. on a random
 line bet. secs. 28 and 33.

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

80.06 Intersect N. and S. line
 at cor. of secs. 27, 28, 33 and
 34.

Thence I run.

N. $89^{\circ} 50'$ W. on a true line
 bet. secs 28 and 33.