

I

Subdivisions

T. 29 N R 1 E

Jacobs Filed 11/21 00

4-671

BOOK 581

581

FIELD NOTES
GENERAL LAND OFFICE.

No. 581

No. 581

BOOK 581

FIELD NOTES
of the survey of the
SUBDIVISION LINES
of
Township N^o 29 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 Sept. 7th 1900

Survey Completed Sept. 26th 1900

Names and duties of assistants
 Alfred McMillan chairman
 Ward J. Marsh chairman
 J. William Donnelly Assman
 Fred First Assman
 Edward Leppien Flagman

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sent to Mr. [unclear] for [unclear]

2A Preliminary Oaths of Assistants.

We,
BOOK 581

and
do solemnly swear that we will well and faithfully
execute the duties of Chain Carriers; 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 lengths 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.....
.....
.....
.....

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

Alfred McMillan Chainman.
Mark T. Marsh Chainman.
..... Chainman.
..... Chainman.

Subscribed and sworn before me, this.....
day of..... 189.....

Notary Public.

[SEAL.]

We, William D. Mully &
Fred. Forest & Edward Leppien 2B

do solemnly swear that we will well and truly per-
form the duties of axemen & flagman

in the establishment of corners and other duties,
according to instructions given us, and to the best
of our skill and ability, in the survey of the

Subdivisions of T^h 29. N
Range 1 E

BOOK 581

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

Subscribed and sworn to before me this 17th

day of Sept

1890

Francis B. Jacobs

Notary Public.

Survey commenced September 7, 1900, and executed with a W. & L. E. Gurley light mountain transit, No. , with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs

The instrument was examined, tested on the true meridian at Tucson, found correct, and was approved by the surveyor general for Arizona, August 3^d 1900

I examine the adjustments of the transit, and find

the levels and collimation correct, then, to test the solar apparatus by comparing its indications, resulting from solar observations made during a. m. and p. m. hours, with the true meridian determined by observations on Polaris, I proceed as follows:

At my camp in Sec 10 latitude $35^{\circ}52'52''$ N. longitude $112^{\circ}15'46''$ W.; I set off $35^{\circ}53'$ N. on the lat. arc; 6° N. on the decl. arc; and at $4^{\text{h}}16^{\text{m}}$ p. m. l. m. t. determined with the solar a true meridian and mark a point thereof on a stone set firmly in the ground, 5 chs. N. of

my transit point.

At 8^h 17^m p.m. l.m.t. by my watch, I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a plug driven in the ground, 5 chs. N. of my transit point.

September 7, 1900.

Sept. 8: At 6 a.m. l.m.t. I lay off the Azimuth of Polaris, $1^{\circ} 31'$, to the west, and mark the true meridian thus determined by cutting a small groove in the stone set September 7, on which the true meridian falls 0.2 ins east

of the mark determined by the solar.

At 9^h. 5^m a.m., l.m.t., I set off $35^{\circ} 53'$ on lat. arc; $5^{\circ} 47' N.$ on decl. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my transit point; this mark falls 0.3 ins east of the true meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations defines positions for true meridians respectively about $0' 11''$ west and $0' 16''$ east of the meridian established by the Polaris observations; therefore, I conclude

the adjustments of the instrument are satisfactory.

The magnetic bearings of the true meridian, at 9^h. 30^m. a.m. is $N. 14^{\circ} 45' N.$; the angle thus determined, reduced by the table, page 100, gives the mean mag. decl. $14^{\circ} 43.5'$.

From the standard cor. of $\frac{1}{4}$ sec. 29 N., R. 1 and 2 E. which is a limestone $5' \times 14' \times 6$ ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, I run North on the east bdy. of sec. 36; and at 40.00 chs. intersect the $\frac{1}{4}$ sec. cor.; and at 79.97 chs. fall 1 lk. E. of the cor. of secs. 25, 30, 31, and 36; there-

fore, the line bears north.

From the Tp cor. I run west on the south bdy. of sec. 36; at 39.97 chs intersect the $\frac{1}{4}$ sec. cor; and at 79.96 chs intersect the sec. cor. of secs 1, 2, 35 and 36, consequently the south boundary of sec. 36 bears West.

Therefore, the bearings are as stated by the surveyor general, and my chaining practically agrees with the field notes of the original survey.

I commence at the cor. of secs. 35 and 36 on the south bdy. of the Tp., which is a limestone $20 \times 14 \times 4$ ins. above ground, firmly set, and marked

and witnessed as described
by the surveyor general.

Thence I run

N. $0^{\circ} 01' 4''$ W. bet. Secs. 35 and 36.

Over rolling land through
scattering trees of cedar and pine
25.00 through dense underbrush
Begin to ascend.

40.00

Top of ridge, 200 ft high.

Set a limestone $16 \times 14 \times 6$
ins. 10 ins. in the ground,
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
W. face; from which

A cedar 8 ins. diam. bears
S. $46\frac{1}{2}^{\circ}$ E. 157 lks dist marked
 $\frac{1}{4}$ S. 36 B.T.

A pine, 6 ins diam. bears
S $18\frac{3}{4}^{\circ}$ W. 94 lks dist., marked
 $\frac{1}{4}$ S. 35 B.T.

74.28

Road bears NE. and S. W.

80.00

Set a limestone $30 \times 6 \times 6$ ins

10

22 ins. in the ground for cor.
of secs. 25, 26, 30 and 36 marked
with 1 notch on S and 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, N. of cor.

Land, nearly level and rolling

Soil, alluvial and stony;
1st. and 2nd. rate.

Timber, pines and cedars

Dense underbrush 80.00 che.

East on a random line bet.
secs. 25 and 36.

40.00

Set temp. 1/4 sec. cor.

79.64

Intersect E. bdy. of T₂. 20 lbs
N. of cor. of secs 25, 30, 31, and 36.
which is a limestone 12x12x6
ins. above ground, marked

and witnessed as described
by the surveyor general.

Thence I run

N. $89^{\circ}51'$ W, on a true line bet.
secs. 25 and 36.

Over nearly level land
through scattering timber,
and dense underbrush.
39.82 Set a limestone $27 \times 10 \times 8$ 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
N. $59\frac{1}{4}^{\circ}$ W. 42 lbs. dist. marked
 $\frac{1}{4}$ S 25 B.T.

A cedar 12 ins. diam bears
S. $85\frac{1}{4}^{\circ}$ W. 71 lbs. dist. marked
 $\frac{1}{4}$ S. 36 B.T.

47.72 Road bears N.E. and S. W.

77.20 Road bears N.E. and S. W.

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

12

Land rolling.

Soil 2nd and 3rd rate.

Timber, Pine and Cedars

Dense undergrowth 79.64

N. 0° 1' W., bet secs 25 and 26.

Over rolling land,
heavily timbered

32.04

Road bears N. E. and S. W.

33.32

Grand Canyon and Santa
Fe Railroad bears N. 40° 10' E.

40.00

Set limestone 30 x 18 x 6 ins
22 ins. in the ground, for 1/4
sec. cor., marked 1/4 S 26 on
W. face and 25 on E. face, and
raise a mound of stone 2 ft.
base 1 1/2 ft. high west of cor.
Pits impracticable.

80.00

Set a limestone 30 x 12 x 10 ins
22 ins in the ground for cor
of secs. 23, 24, 25, and 26.

marked with 2 notches on the S. and 1 notch on the E. edges; from which.

A cedar 10 ins diam. bears N. $25\frac{1}{2}^{\circ}$ E., 202 lbs. dist. marked N. 29 N. R. 1 E. S. 24 B.T.

A pine 12 ins. diam. bears S. $38\frac{1}{4}^{\circ}$ N. 42 lbs. dist. marked N. 29 N. R. 1 E. S. 26 B.T.

A pine 12 ins diam. bears N. $73\frac{1}{2}^{\circ}$ N. 81 lbs. dist. marked N. 29 N. R. 1 E. S. 23 B.T.

No other trees within limit.

Pits impracticable.

Land rolling

Soil 2nd rate.

Heavily timbered land, cedar and pine 80.00 chains.

September 8, 1900

14

S. $89^{\circ}51'E$. on a random line
bet. secs. 24 and 25.

40.00

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

79.65

Intersect E bdy. of Twp. 38
lbs. N. of cor. of secs 19, 24, 25
and 30, which is a limestone
10 x 14 x 6 ins. above ground
previously set marked and
witnessed by me.

Thence I run

N. $89^{\circ}35'W$. on a true line
bet. secs. 24 and 25.

39.83

Over-rolling land. -
~~heavily covered with~~
Set a pine post 6 ins. diam.

3 ft long. 24 ins in ground
for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S 24
on N face and S 25 on S face;
dig pits 18 x 18 x 12 ins E and W
3 ft dist.; and raise a mound
of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft

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15

high N. of cor,

42.17 Wagon road from Anita Junction
to Anita Mines bears N.E. and
S.W.

42.96 Grand Canyon and Santa Fe
Railroad to Anita Mines bears
N 40° 10' E.

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

Land rolling.

Soil 2nd rate

Timber cedar and pine.

Dense undergrowth 79.65

N. 0° 1' N. bet. secs. 23 and 24.

Over rolling land.

19.35 ~~heavily~~ Timbered
Grand Canyon and Santa Fe
Railroad bears N 28° 6' E.

40.00 Set a limestone 30x16x6 in
line in the ground to bedrock

surrounded by mound of stone, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, from which

A pine 14 ins diam bears $N. 67\frac{1}{2}^{\circ} E. 148$ lbs. dist. marked $\frac{1}{4} S. 24 B.T.$

A pine 16 ins. diam. bears $S. 19^{\circ} N. 20$ lbs. dist. marked $\frac{1}{4} S. 23 B.T.$

77.40

A pine 14 ins. diam. on line. I mark with 2 notches on N and S. sides.

80.00

Set a limestone $24 \times 6 \times 3$ ins. 6 ins. in the ground to bedrock, surrounded by mound of stones, for cor. secs 13, 14, 23 and 24, marked with 3 notches on S and one on E edges, from which

A pine 24 ins diam bears

N. $59\frac{1}{4}^{\circ}$ E., 158 lks. dist. marked
T. 29 N. R. 1 E. S. 13 B. T.

A pine 16 ins diam bears
S $69\frac{1}{4}^{\circ}$ E. 147 lks. dist. marked
T. 29 N. R. 1 E. S. 24 B. T.

A pine 10 ins diam. bears
S $88\frac{1}{4}^{\circ}$ N. 70 lks. dist., marked
T. 29 N. R. 1 E. S. 23 B. T.

A pine 10 ins diam bears
N. 16° N. 143 lks. dist. marked
T. 29 N. R. 1 E. S. 14 B. T.

Land rolling

Soil 4th rate

Heavy timber 80.00 ches.

S. $89^{\circ} 35' E.$ on a random line
bet. secs. 13 and 24.

Over rolling land
heavily timbered
Set temp. $\frac{1}{4}$ sec. cor.

Intersect E bdy. of the T. P.

40.00

79.80

18

12 lbs S of the cor. of secs.
13, 18, 19 and 24, which is a
limestone 12x12x6 ins. above
ground previously set, mark-
ed and witnessed by me.

Thence I run

N 89° 40' W, on a true line
bet. secs. 13 and 24.

27.72

Over rolling land
heavily timbered
Road bears N. E. and S. W.

28.55

Grand Canyon and Santa
Fe Railroad bears N 44° E.

39.90

Set a limestone 18x8x6
ins. 12 ins. in the ground, for
1/4 sec cor., marked 1/4 on N
face, from which

A pine 8 ins. diam. bears
N. 70 1/2° E. 31 lbs. dist. marked
1/4 S. 13 B.T.

A pine 6 ins. diam. bears

S $11\frac{1}{4}^{\circ}$ E., 30 lbs dist., marked

$\frac{1}{4}$ S 24 B.T.

79.80

A the cor. of secs. 13, 14, 23 and
24.

Land rolling.

Soil 4th rate.

Heavily timbered 80 chs.

70° 1' N., bet. secs. 13 and 14.

Over rough rolling land.

~~rough~~ Timbered
Road to camp bears N. N.

35.00

Decend

40.00

Set a limestone 18x16x4
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. 81° E. 136 lbs. dist. marked

$\frac{1}{4}$ S 13 B.T.

A pine 12 ins diam bears

20

N. 79° W. 144 lbs. dist.
marked 1/4 S. 14 B. T.

80.00

Set a limestone 20 x
14 x 4 ins. 6 ins in the
ground to bedrock,
surrounded by mound
of stone, 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 16 ins. diam. bears
N. 31 1/4° E. 12 lbs. dist. marked
T. 29 N. R. E. S. 12 B. T.

A pine 16 ins. diam.
bears S. 52 3/4° E., 65 lbs. dist.
marked T. 29 N., R. E., S. 13, B. T.

A pine 14 ins. diam. bears
S. 57 3/4° W., 83 lbs. dist.
marked T. 29 N., R. E., S. 14, B. T.

A pine 12 ins. diam. bears
 N. $31\frac{1}{4}$ W. 44 lbs. dist., marked
 ed T. 29 N, Q. E., S. 11, B. T.

Land, rolling.

Soil, 4th rate.

Heavy timber 80, chs.

September 10th 1900

S. $89^{\circ}40'$ E on a random line
 bet. secs. 12 and 13.

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

79.90 Intersect E. bdy. of T. p. 42 lbs
 S. of cor. of secs. 7, 12, 13 and 18,
 which is a limestone $6 \times 8 \times 6$
 ins above ground, previously
 set, marked and witnessed
 by me

Thence Irons.

N. $89^{\circ}58'$ W. on a true
 line bet. secs. 12 and 13.

22

- 4.04 Dry rough rolling land
heavily timbered.
Grand Canyon and Santa
Fe Railroad bears $N. 13^{\circ} 10'$
E.
- 8.04 Wagon road from Anita
Junction to End of Track
bears N. and S.
- 39.95 Station stone $18 \times 10 \times 8$ 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 $N. 7\frac{1}{4}^{\circ} W.$, 41 lbs. dist.
marked $\frac{1}{4} S. 12$ B.T.
A pine 8 ins diam. bears
 $S. 4\frac{1}{4}^{\circ} W.$, 5 lbs. dist.
marked $\frac{1}{4} S. 13$ B.T.
- 79.90 The cor. of secs. 11, 12, 13 and
14.
Land, rolling.

Soil 4th rate.

Timber, cedars and pines

Heavily timbered land 7990
chs.

N. 0° 1' W. bet. secs. 11 and 12.

Descend
Over heavy Timber Land
Canyon, course S. W.

6.20

Top of bank.

12.50

Top of ridge, ^{bro. N. E. and P. W.} Descend.

16.20

Canyon, Course S. W.

20.00

40.00

Set a limestone 24 X 16 X 6

ins. 18 ins. in the ground,

for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$
on west face. from which

a cedar 24 ins. diam.

bears N. $84\frac{3}{4}$ ° E. 101 lbs. dist.
marked $\frac{1}{4}$ S. 12 B. T.

A pine 17 ins. diam. bears
N. $70\frac{3}{4}$ ° W. 72 lbs. dist. mark-

24

- ed 1/4 S. 11 B.T.
- 62.60 Descend.
- 68.60 Canyon, course N. 200
ft. deep. Ascend
- 74.20 Top of bank.
- 80.00 Set a limestone 24x10x4
ins, 8 ins in the ground to
bedrock, surrounded by
mound of stone. for cor. of
secs 1, 2, 11 and 12, marked
with 5 notches on S., and 1
notch on E. edges, from which
- A pine, 10 ins. diam. bears
N. 50³/₄° E., 62 lbs. dist., marked
N. 29 N., R. 1 E., S. 1 B.T.
- A pine 20 ins. diam. bears
S. 9¹/₄° E., 203 lbs. dist. marked.
N. 29 N., R. 1 E., S. 12 B.T.
- A cedar 12 ins. diam.
bears S. 13° N. 227 lbs. dist.

marked T. 29 N., R. 1 E., S. 11, B.T.

A pine 10 ins. diam bears
N. 84° W., 148 lbs. dist. mark-
ed T. 29 N., R. 1 E., S. 2, B.T.

Land rolling and cut by
cañons.

Soil 4th rate.

Timber cedars and pines.

Heavy timber 80 chs.

S. 89° 05' E. on a random
line bet. secs. 1 and 12.

40.00

Set temp. 1/4 sec. cor.

80.02

Intersect E. bdy of T. 37
lbs. N. of the cor. of secs. 6, 7
and 12 which is a lime-
stone 8x8x6 ins above the
ground previously set, mark-
ed and witnessed by me.

Thence I run

$N. 89^{\circ} 42' W.$ on a true line
bet secs. 1 and 12.

40.01 Over rolling land.
heavily timbered
sandstone in place $1\frac{1}{2} \times$
 3×3 ft. above the ground, &
mark with a cross the
exact point and erect a
stone mound 2 ft base and
 $1\frac{1}{2}$ ft. high N. of cor. from
which

A pine 10 ins. diam. bears
 $N. 88\frac{1}{2}^{\circ} E.$, 12 lbs. dist. marked
 $\frac{1}{4}$ S. 1. B.T.

A pine 10 ins. diam. bears
 $S. 69\frac{3}{4}^{\circ} E.$, 39 lbs. dist.
marked $\frac{1}{4}$ S. 12. B.T.

40.42 Gulch, course N. W. ascend

49.02 Top of ridge bears N. and S.
Descend

48.00 Gulch, course N. ascend

- 51.00 Descend.
- 56.27 Cañon, course S 70° W.
200 ft deep. Ascend
- 62.40 Top of bank.
- 80.02 The cor. of secs. 1, 2, 11 and
12.
- Land, rough and rolling.
Soil, 4th rate.
Heavy timber 80. chs.
-

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

40.00 Set temp 1/4 sec. cor.

80.10 Intersect N. bdy of T p. 4
lbs. N. of cor. of secs. 1, 2, 30
and 36. which is a limestone
6x12x6 ins above the ground
previously set, marked and
witnessed by me.
Thence True

21

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

40.10 Over rolling land
The only Timbered
Set of limestone $18 \times 14 \times 6$

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

A cedar 18 ins diam bears
N. $75\frac{1}{4}^{\circ}$ E. 24 lbs. dist. marked,
 $\frac{1}{4}$ S. 1. B.G.

A pine, 14 ins, diam,
bears S $70\frac{1}{2}^{\circ}$ W. 88 lbs. dist.
marked, $\frac{1}{4}$ S. 2. B.G.

80.10 The cor. of secs 1, 2, 11 and 12.
Land, rolling.
Soil, 3rd and 4th rate.
Timber cedar and pine
Heavily timbered land 80 cks.
September 11th 1900.

From the cor. of secs. 34 and 35 on S. bdy of T¹p., which is a limestone 6x10x4 ins above the ground, firmly set, marked and witnessed as described by the surveyor general

Thence I run

N. 0° 2' W. bet. secs. 34 and 35.

Over rolling land.
Especially ~~the~~ ^{the} wagon road from Anita

24.95

Junction to Grand Camp bears N. 60° and S. W.

37.50

Ascend.

40.00

Set a limestone 24x14x3 ins. 8 ins. in the ground to bedrock, surrounded by mound of stone, for 1/4 sec. cor. marked 1/4 S 34 on W. face; raised a mound of

30

stone 2 ft. base, $1\frac{1}{2}$ ft.
high N. of cor.
60.00 Top of ascent, thence over
mesa.

80.00 Set a limestone $20 \times 6 \times 6$
ins. 15 ins. in the ground,
for cor. of secs. 26, 27, 34
and 35, marked with 1
notch on S and 2 notches
on E. edges, from which

A cedar 10 ins diam
bears S. 63° E. 234 lbs. dist.
marked N. 29 N. R. E. S. 35 B. T.

A cedar 14 ins. diam.
bears S $39\frac{1}{4}^\circ$ N. 204 lbs. dist.
marked N. 29 N. R. E. S. 34 B. T.

A cedar 8 ins. diam bears
N. 32° N. 126 lbs. dist. mark-
ed N. 29 N. R. E. S. 27 B. T. -
no more bearing trees with-

in limits.

Raised a mound of stone
2 ft. base $1\frac{1}{2}$ ft. high $\frac{7}{8}$ of cor.
Land rolling.

Soil, 2nd. and 4th. rate.

Heavily timbered 80.00 chs.

E. on a random line bet.
secs. 26 and 30,

40.00

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

79.83

Intersect $\frac{7}{8}$ and S. line
29 lbs. S. of cor. of secs 25,
26, 30 and 36.

Thence I run

S $89^{\circ}48'$ $\frac{7}{8}$, on a true line
bet. secs. 26 and 30

Over rolling land,
heavily timbered
Switch at Anita junction
bears $\frac{7}{8}$ $6^{\circ}46'$ $\frac{7}{8}$.

21.20

23.19

Grand Cañon and Santa

- Fe' railroad bears $N. 25^{\circ} 59' E.$
 23.87 Wagon road bears $N.$ and $S.$
 39.91½ Set a pine post 6x8 ins.,
 3 ft. long, 24 ins. in the ground
 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
 $S. 26$ on $N.$ and 35 on S
 faces, dig pits, 18x18x12 ins
 $E.$ and $W.$ of cor. 3 ft. deep;
 and raise a mound of earth
 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high $N.$
 of Cor.
 57.98 Wagon road to Williams
 bears $S.E.$ and $N.W.$
 79.83 The cor. of secs. 26, 27, 34
 and 35.
 Land rolling.
 Soil 2nd and 4th rate.
 Timber cedars and pine.
 Heavily timbered 79.83 ch

N. 0.2' N. bet. secs. 26 and 27

Over rolling land,
 40.00 heavily timbered,
 set a limestone 18x16x4
 ins 6 ins. in the ground to
 bedrock, surrounded by mound
 of stone, for 1/4 sec. cor.
 marked 1/4 on N face, from
 which

A cedar 14 ins diam. bears
 S 64 1/4° E, 35 lbs dist. marked
 1/4 S. 26 B.T.

A cedar 14 ins diam. bears
 S. 52 1/4° N. 207 lbs. dist. marked
 1/4 S. 27 B.T.

80.00 Set a limestone 24x18x12
 ins. 18 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 cedar 10 ins diam. bears

$N. 74^{\circ} W.$, $2\frac{1}{2}$ lks. dist. marked
T. 29 N., R. 1 E., S. 22, B. T.

No other trees within limit.

Raised a mound of stone
2 ft base, $1\frac{1}{2}$ ft. high N. of cor.

Land rolling.

Soil, rocky 4th rate.

Timber, pines and cedar.

Heavily timbered 80. chs

$N. 89^{\circ} 48' E$ on a random
line bet. secs. 23 and 26,

40.00

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

80.30

Intersect. N. and S. line,
11 lks N. of cor. of secs. 23, 24,
25 and 26.

Thence I run

S. $89^{\circ} 53' W.$ on a true line
bet. secs. 23 and 26,

Over rolling land.

- 8.07 ³⁷ heavily timbered
Grand Cañon and Santa
Fe Railroad bears $N. 14^{\circ} 7' E.$
and $S. 14^{\circ} 7' W.$
- 38.96 Wagon road bears $N. W.$ and $S. E.$
- 40.15 Set a sandstone $20 \times 10 \times 10$
ins. 15 ins in ground, for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on $N.$
face, and raised a mound
of stone 2 ft. base, $1\frac{1}{2}$ ft
high $N.$ of cor.
- 70.56 Road to Anita Junction
bears $N. W.$ and $S. E.$
- 80.30 The cor. of secs. 22, 23, 26.
and 27.
Land, rolling.
Soil, 3rd rate.
Timber, cedar and pines
Heavily timbered 80.30 ch
September 12th 1900

36

7.0° 2' N bet sec. 22 and 23.
 Over rolling land covered
 with dense undergrowth
 Wagon road to Anita

36.64

Junction bears S.E. and N.W.
 40.00 Set a limestone 26x16x10

ins. 20 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
 S. $66\frac{1}{4}^{\circ}$ E. 79 lbs. dist, marked
 $\frac{1}{4}$ S 23 B.P. - No more trees
 within limits.

Raised a mound of stone
 2 ft. base, $1\frac{1}{2}$ ft. high N. of
 cor.

80.00

Set a limestone 24x14x6
 ins. 18 ins in the ground, for
 cor. of secs 14, 15, 22 and 23
 marked with 3 notches on S
 and 2 notches on E edges,

from which,

A cedar 10 ins. diam. bears
S. $21\frac{3}{4}^{\circ}$ W. 260 lbs, dist. marked
T. 29 N., R. 1 E., S. 22 B.T.

A cedar 12 ins. diam. bears
N. $69\frac{3}{4}^{\circ}$ W. 240 lbs, dist. marked
T. 29 N., R. 1 E., S. 15 B.T. - No other
trees within limits.

Raised a mound of stone
2 ft. base, $1\frac{1}{2}$ ft. high N. of
cor.

Land, rough and rolling.
Soil, rocky 4th rate.

Timber, cedar and pine.
Dense undergrowth 80 chs.

N. $89^{\circ}52'E$. on a random
line bet. secs. 14 and 23.

40.00

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

80.47

Intersect. N. and S. line

20 lbs. N. of cor. of secs. 13, 14,
23 and 24.

Thence I run

N. $89^{\circ}59'$ W. on a true line
bet. secs. 14 and 23.

Over rolling land.
heavily timbered.
40. 2' $3\frac{1}{2}$ " Set a limestone $24 \times 14 \times 4$
ins. 4 ins. in the ground to
bedrock, surrounded by
mound of stone, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face, from which

A pine 6 ins. diam. bears
N. $17\frac{1}{2}^{\circ}$ E. 108 lbs. dist. marked
 $\frac{1}{4}$ S. 14 B. T.

A pine 10 ins. diam. bears
S $2\frac{1}{2}^{\circ}$ E., 222 lbs. dist. marked
 $\frac{1}{4}$ sec. 23 B. T.

80.47

The cor. of secs 17, 18, 22 and
23.

Land, rolling.

Soil, 2nd rate.

Timber cedar and pine.

Heavily timbered 80. chs.

N. 0° 2' W. bet. secs. 14 and 15,

Over rough, rolling land.

40.00 heavily timbered
Set a limestone 24 X 10 X 6 ins
18 ins in the ground, for $\frac{1}{4}$ sec
cor. marked $\frac{1}{4}$ on W. face,

from which,

A pine 14 ins. diam. bears

N. 89° E. 113 lbs. dist. marked
 $\frac{1}{4}$ S. 14 B.T.

A pine 16 ins. diam. bears

N. 74° W. 22 lbs. dist. marked
 $\frac{1}{4}$ S. 15 B.T.

67.00 Descend

70.00 Cañon, course S.E. 80 ft. deep.

80.00 Set a sandstone 22 X 12 X 4

ins in the ground for cor. of sec.

10, 11, 14 and 15 marked with 4 notches on S. and 2 notches on E. edges, from which

A pine 16 ins. diam bears $N. 42^{\circ} E.$ 172 lbs. dist., marked T. 29 N., R. 1 E., S. 11 B. T.

A pine 12 ins. diam. bears $S. 40\frac{3}{4}^{\circ} E.$ 137 lbs. dist. marked T. 29 N., R. 1 E., S. 14 B. T.

A pine 14 ins. diam bears $N. 34\frac{1}{4}^{\circ} W.$ 119 lbs. dist. marked T. 29 N., R. 1 E., S. 10, B. T. - No other trees within limits.

Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high $\frac{1}{2}$ of cor. Sand, rolling.

Soil. 4th rate

Timber, cedar and pine.

Heavily timbered 80 chs.

S. $89^{\circ}59'$ E. on a random
line bet. secs. 11 and 14.

40.00

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

80.40

Intersect N. and S.
line, 49 lbs. N. of cor. of secs.
11, 12, 13, and 14.

Thence I run

N. $89^{\circ}38'$ W. on a true line
bet. secs. 11 and 14.

40.20

Over rough rolling land,
heavily timbered.
Set a sandstone $24 \times 10 \times 8$
ins, 8 ins. in the 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 12 ins. diam.
bears N. $43\frac{1}{2}^{\circ}$ E, 15 lbs. dist,
marked $\frac{1}{4}$ S. 11 B.T.

A cedar 12 ins diam bears

42

S. $40\frac{1}{2}^{\circ}$ W., 44 lks. dist.
marked, $\frac{1}{4}$ S. 14 B.T.

74.00

Second.

80.40

The cor. of secs. 10, 11, $14\frac{1}{2}$
and 15.

Land, rolling.

Soil, rocky, 4th rate

Timber cedars and pines

Heavily timbered 80 cks.

September 13th. 1900.

N. 0° 2' W., bet. secs. 10 and 11.

Over ascending ground
top of slope, thence over mesa.

4.00

24.00

Begin descent.

40.00

Canon, 100 ft. deep.

Set a limestone $24 \times 14 \times 4$
18 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
 $N. 72\frac{3}{4}^{\circ} E.$, 114 lbs. dist. marked
 $1/4 S. 11 B.T.$

A pine 16 ins. diam. bears
 $N. 32\frac{3}{4}^{\circ} W.$ 52 lbs. dist. marked
 $1/4 S. 10 B.T.$

40.50 Begin to ascend.

42.00 Top of ascent, thence over
 ground descending gradually.

70.00 Bottom of wash. ^{with} course $S. W.$

80.00 Set a limestone $14 \times 14 \times 8$
 ins. 10 ins. in the ground for
 cor. of sects. 2, 3, 10 and 11, marked
 with 5 notches on the S and 2 notches
 on E. edges, from which

A cedar 10 ins. diam. bears
 $N. 46\frac{1}{4}^{\circ} E.$ 51 lbs. dist. marked
 $N. 29^{\circ} R. 1 E. S. 2 B.T.$

A pine 10 ins. diam bears
 $S. 34\frac{3}{4}^{\circ} E.$ 85 lbs. dist. marked

T. 29 N., R. 1 E., S. 11 B. 1.

A pine 12 ins. diam. bears
S. 41° W. 200 lbs. dist. marked

T. 29 N., R. 1 E., S. 10 B. 1.

A pine 16 ins. diam. bears
N. $44\frac{3}{4}^{\circ}$ W. 4 lbs. dist. marked

T. 29 N., R. 1 E., S. 3 B. 1.

Land, rolling.

Soil 2nd and 4th rate.

Timber cedar and pine.

Heavily timbered so. ch.

S. $89^{\circ}38'$ E. on a random line
bet. secs. 2 and 11.

40.00

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

80.19

Intersect. N. and S. line,
3 lbs S. of cor. of secs 1, 2, 11
and 12.

Thence I run

N. $89^{\circ}40'$ W. on a true

line bet. secs. 2 and 11.

30.00 Down rolling high mesa land
heavily timbered,
begin descent.

40.09 1/2 Set a limestone 18x16x8 in
12 ins in the ground, for 1/4
sec. cor., marked 1/4 on N.

face, from which

A pine 14 ins. diam. bears
N. 77° E., 20 lbs. dist., marked
1/4 S. 2 B.T.

A pine 12 ins. diam. bears
S 10° W. 21 lbs. dist., marked
1/4 S. 11 B.T.

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

Land, rolling.

Soil, 2nd and 4th rate.

Timber, cedar and pine.

Heavy timber 80. chs.

N. 0° 2' W. on a random line

46

- 40.00 bet. sec. 2 and 3
heavily timbered
Set temp. $\frac{1}{4}$ sec. cor.
- 80.30 Intersects N. bdy of Tp. 21 lbs
N. of cor. of sec. 2, 3, 34 and 35,
which is a limestone 8x10x6
ins. above ground previously
set marked and witnessed
by me.
Thence I run
S $0^{\circ} 7'$ N. on a tree line
bet. sec. 2 and 3.
- 40.30 Set a limestone 16x12x6
ins. 10 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. 07° E. 92 lbs. dist., marked
 $\frac{1}{4}$ S. 2 B. T.
A cedar 12 ins. diam. bears
S. 66° N. 50 lbs. dist. marked

80.35 $\frac{1}{4}$ S. 3 B.T.
The cor. of sects 2-3-10 and 11

Land, rolling.

Soil, 4th rate.

Timber, cedar and pine.

Heavily timbered 80 chs.

September 14th 1900

From the standard cor. of sects
3, 4, 33, and 34 on S. bdy. of the
Twp. which is a limestone
6x8x6 ins above ground, firmly
set, marked and witnessed as
described by the surveyor
general, I run

N. 0° 3' 21" bet. sects 33 and 34.

26.00 Over rolling land covered
with dense undergrowth
Wagon road from Anita Junction
to Guands camp, brs. E. and W.

38.00 Begin to ascend.

40.00 Set a limestone 10x12x6 ins

5 ins. in the ground to bedrock surrounded by mound of stone. for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, from which

A pine 12 ins. diam. bears $N. 69\frac{1}{2}^{\circ} E. 33$ lbs. dist. marked $\frac{1}{4} S. 34$ B.T.

A cedar 10 ins. diam. bears $N. 73\frac{3}{4}^{\circ} W. 75$ lbs. dist. marked $\frac{1}{4} S. 33$ B.T.

80.00

Set a limestone $24 \times 10 \times 4$ ins. 18 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 cedar 12 ins. diam. bears $N. 9\frac{1}{4}^{\circ} E., 200$ lbs. dist. marked $N. 29 N., N. 1 E., S. 27$ B.T.

A pine 14 ins. diam. bears

S. $86\frac{1}{2}^{\circ}$ E. 183 lbs. dist. marked
T. 29 N., R. 1 E., S. 34, B.T.

A cedar 12 ins. diam. bears
S. $86\frac{1}{2}^{\circ}$ W. 247 lbs. dist.,
marked T. 29 N., R. 1 E., S. 33 B.T.

A cedar 12 ins. diam. bears
N. $8\frac{1}{2}^{\circ}$ W. 180 lbs. dist. marked
T. 29 N., R. 1 E., S. 28 B.T.

Land rolling.

Timber, pine and cedar.

Soil 2nd and 4th strata

Dense undergrowth rocks.

E. on a random line bet. secs

27 and 34.

40.00

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

80.34

Intersect N. and S. lines
5 lbs. N of cor. of secs 26, 27,
34 and 35

Thence I run

$N. 89^{\circ} 58' W.$ on a true line
bet. secs. 27 and 34.

Dry rolling land.
covered with dense undergrowth.
40.17 Set a limestone $24 \times 12 \times 8$
ins. 1.8 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
 $S. 89\frac{1}{2}^{\circ} W., 173$ lbs. dist. marked
 $\frac{1}{4} S. 34 B.T.$ - No more trees
within limits.

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

60.00 Wash 10 chs. wide
70.00 Ascend to ridge 50 ft high
78.00 Descend
80.34 The corner of secs. 27, 28, 33
and 34.

Land, rolling.

Soil 2nd and 4th rate.

Timber, pine and cedars.

Dense undergrowth 80.34 che

70° 3' N. bet. secs. 27 and 28,

Over rolling land,

covered with dense undergrowth

40.00

Set a limestone 24X12X4

ins. 18 ins. in the ground, for

1/4 sec. cor. marked 1/4 on N.

face, from which

A cedar 12 ins. diam. bears

S. 77 1/2° E. 52 lbs. - dist. marked

1/4 S. 27 B.T. - no more trees

within limits.

Raise a mound of stone 2 ft.

base, 1 1/2 ft. high N. of cor.

80.00

Set a limestone 24X6X6 ins.

18 ins. in the ground, for cor. of

secs. 21, 22, 27 and 28, marked

with 2 notches on S. and 3

52

notches on E. edges. from which,

A cedar 8 ins. diam. bears S.
27° N. 95 lks. dist, marked, T. 29 N.

R. 1 E., S. 28, B. T. - no more trees
within limits.

Raise a mound of stone
2 ft. base 1½ ft. high N. of cor.

Pits impracticable.

Land, rolling.

Soil 4th rate.

Timber, cedars and pine.

Dense undergrowth soches.

S. 89° 58' E. on a random
line bet. secs. 22 and 27.

40.00

Set temp. ¼ sec. cor.

80.14

Intersect N. and S. line
27 lks. N. of cor. of secs. 22, 23,
26 and 27

Thence I run

N. $89^{\circ}46'$ W. on a true line

bet. secs. 22 and 27.

Over rolling land.

covered with dense undergrowth.

40.07

Set a limestone $18 \times 10 \times 6$ ins.

12 ins. in the ground, for $1/4$ sec
cor. marked $1/4$ on N. face; raise
a mound of stone 2 ft. base $1\frac{1}{2}$
ft. high N. of cor.

Pits impracticable.

80.14

The cor. of secs. 21, 22, 27 and 28.

Land, rolling.

Soil, 4th rate.

Timber, pine and cedar

Dense undergrowth 80H chs.

September 15th, 1900.

N. $0^{\circ}3'$ W. bet. secs. 21 and 22.

Over rolling land.

covered with dense undergrowth

8.00

Top of ridge, descend.

40.00

Set a limestone $18 \times 14 \times 14$ ins.

54

12 ins. in the ground, for $\frac{1}{4}$ sec
 cor. marked $\frac{1}{4}$ on W. face; raise
 a mound of stone 2 ft. base,
 $1\frac{1}{2}$ ft. high N. of cor.

Pits impracticable.

41.24

Wagon road bears E and N.

80.00

Set a limestone 20 x 12 x 6

ins. 3 ins. in the ground to
 bedrock, surrounded by
 mound of stone, for cor. of
 secs. 15, 16, 21 and 22; marked
 with 3 notches on S. and 3
 notches on E. edges; raise a
 mound of stone 2 ft. base $1\frac{1}{2}$
 ft. high N. of cor.

Pits impracticable.

Land, rolling.

Soil, 4th rate

Timber, pine and cedar.

Dense undergrowth & rocks.

S. $89^{\circ}46'E$ on a random
line bet. secs 15 and 22.

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

80.02 Intersect N and S. line, 5 lbs
N. of the of sec. 1 $\frac{1}{2}$, 10, 22 and 23.

Thence I run

N. $89^{\circ}44'N$. on a true line
bet. secs. 15 and 22.

Over rolling land,
covered with dense undergrowth
40.01 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; raise
a mound of stone 2 ft. base $1\frac{1}{2}$

ft. high N. of cor.
60.00 ~~Drop the legs S. and N. side~~
The impracticable.

80.02 The cor. of secs. 15, 16, 21 and 22.
Land, rough and rolling.
Soil, 4th rate.
Timber cedar and pine.

Dense undergrowth 80.02 ch

- 7.0° 3' N. bet. secs. 15 and 16.
 Dry rolling land.
 covered with dense undergrowth
 12.15 Wagon road to Anita
 Junction bears N.W. and S.E.
 38.00 Wash, 18 chs. wide course, S.W.
 40.00 Set a limestone 18x10x4
 ins. 12 ins. in the ground, for
 1/4 sec. cor. marked 1/4 on 2d. face;
 dig pit 18x18x12 ins. N and
 S. of cor. and raise a mound
 of earth 3 1/2 ft. base 1 1/2 ft high
 N. of cor.
 56.00 Leave wash, ascend.
 62.00 Wagon road to Anita
 Junction bears N.E. and S.W.
 68.00 Top of ridge,
 70.00 Wash 14 chs. wide bears
 N.E. and S.W.

80.00

Set a sandstone $28 \times 12 \times 6$ ins.
 $2\frac{1}{2}$ ins. in the ground, for cor. of
 secs. 9, 10, 15 and 16, marked with
 4 notches on S. and 3 notches
 on E. edges; raise a mound
 of stone 2 ft. base, $1\frac{1}{2}$ ft. high
 $\frac{3}{4}$ of cor. Pits impracticable.

Land, rolling.

Soil 2nd and 4th rate.

Timber, cedar and pine.

Dense undergrowth, soches.

S. $89^{\circ}44'E$ on a random line
 bet. secs. 10 and 15,

40.00

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

79.52

Intersect N and S line 1 blk.
 S. of cor. of secs. 10, 11, 14 and 15;
 Thence I run

N. $89^{\circ}45'N$ on a true line
 bet. secs. 10 and 15.

58

Through dense undergrowth.

39.76

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 12 ins. diam. bears
N. 82° E. 111 lbs. dist. marked
 $\frac{1}{4}$ S. 10 B.T.

A pine 16 ins. diam. bears
S. $78\frac{1}{2}^\circ$ W. 114 lbs. dist. marked
 $\frac{1}{4}$ S. 15 B.T.

47.50

Descend toward wash.

49.50

Wash course S. W.

67.40

Wagon road to Anita Junction
bears N. E. and S. W.

79.52

The cor. of secs. 9, 10, 15 and 16.
Land, rolling.

Soil, 2nd and 4th rate.

Timber cedar and pine.

Dense undergrowth, 79.52 chs

September 17th 1900.

N. 0° 3' W. bet. secs. 9 and 10.

Over rolling land, heavily timbered.
4.00 2 fave wash, ascnd.

19.00 Top of ascent, thence over

40.00 Set a limestone 18x8x4 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
N. 44° E. 89 lbs. dist., marked
 $\frac{1}{4}$ S. 10 B.T.

A pine 12 ins. diam. bears
N. 33½° W. 40 lbs. dist., marked
 $\frac{1}{4}$ S. 9 B.T.

77.00 Cañon, 100 ft. deep course N. E.

80.00 The point for sec. cor. on left
bank of cañon falls on a lime-
stone 36x12x4 ins above the
ground, in place, on which,

Put a cross (X) at the exact point for cor. of secs. 3, 4, 9 and 10, marked with 5 notches on S and 3 notches on E sides, and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor., from which

A pine 10 ins. diam. bears $N. 50^{\circ} E.$, 145 lbs. dist. marked T. 29 N., R. 1 E., S. 3, B. T.

A cedar 14 ins. diam. bears $S. 6\frac{1}{4}^{\circ} E.$, 276 lbs. dist., marked T. 29 N., R. 1 E., S. 10, B. T.

A pine 16 ins. diam. bears $N. 69\frac{1}{2}^{\circ} W.$, 287 lbs. dist. marked T. 29 N., R. 1 E., S. 4 B. T.

Land, rolling.

Soil, 4th rate

Timber cedar and pine

Heavily timbered 80. chs.

Concluded Book 582