

Book 20

~~Not~~

Subdivisions BOOK 306

T. 19 N. R. 4 E

No - 306

BOOK 306

4-671

BOOK 306

306

FIELD NOTES
GENERAL LAND OFFICE.

BOOK 306

No - 306

We

Preliminary Oaths of Assistants. 1

We, *Levis Benedict*

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

Corrections in

26 19 N.

R.S. 4 and 5 E

BOOK

308

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

Levis Benedict Chairman.

Chainman.

Chainman.

Chainman.

Subscribed and sworn before me, this *12th*

day of *September* 189*3*

Francis B. Jacobs

My Commission Expires
March 2 1904

[SEAL.]

103

Survey Company V903

PRELIMINARY OATHS OF ASSISTANTS.

We, *Otto L. Fritzsche*
William H. Lockridge
do solemnly swear that we will well and faithfully execute the duties of
chainmen; that we will level the chain upon even and uneven ground
and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distance to all notable objects, and the true length
of all lines that we assist in measuring, to the best of our skill and ability
and in accordance with instructions given us, in the survey of the

Subdivision lines

T. J. 19 N.

R. 4 E.

BOOK 306

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

Otto L. Fritzsche, Chainman.
William H. Lockridge, Chainman.

_____, Chainman

_____, Chainman

Subscribed and sworn to before me this

18th

of

April 3, 190*3*

Francis Jacobs
my commission expires
Notary Public
March 2^d 1904

[SEAL.]

We, John Fairish, Ora Wheeler and Joseph O Landus
do solemnly swear that we will well and truly perform the duties of
flagman and axmen, in the establishment of corners and other duties,
according to instructions given us, to the best of our skill and ability, in
the survey of the Subdivision

lines of
T 19 North
R. 4 East

BOOK 306

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

John Fairish, Flagman.
Ora Wheeler, Axman.
Joseph O Landus, Axman.
Axman.

scribed and sworn to before me this 18th day

April 3, 1904

Francis B Jacobo
Notary Public.
my commission expires Feb 2^d 1904

Survey completed May 21 - 1904

No-306 BOOK 306 10

Field Notes
of the Survey of the
Subdivision lines
of
Township No. 19. N.
Range No. 4 E.
of the
Gila and Salt Rivers
Basin and Meridian
in the
Territory of Arizona
as surveyed by
Andrew Barry
U.S. Deputy Surveyor
under his contract No 99
dated June 30th 1902.

Survey commenced April 20th 1903
Survey completed May 21st 1903

Subdivisions of
 Names and duties of Assistants
 Otto S. Fritzsche Chairman
 William Henry Lockridge Chairman
 William O. Casper Assessor
 John Farris Assessor
 Ora Wheeler Flagman

BOOK 306 and Book 307

I N D E X

T 19 N - R 4 E.

6 ⁸⁹	5 ⁸⁶	4	3 ⁵³	2 ²⁸	1
72	79			51	26
7 ⁷⁵	8 ⁸¹	9	10 ⁴⁹	11 ²³	12
76	83	85		46	22
18	17	16	15 ⁴³	14 ¹⁹	13
				41	17
19	20	21	22 ³⁸	23 ¹⁴	24
				37	11
30 ⁶⁵	29	28	27 ³⁴	26 ⁸	25
66	63			33	6
31 ⁶¹	32 ⁵⁷	33	34 ³⁰	35 ⁴	36

2A

PRELIMINARY OATHS OF ASSISTANTS.

We, Otto F. Fritsche
and William Henry Lockridge
do solemnly swear that we will well and faithfully execute the duties of
chainmen; that we will level the chain upon even and uneven ground,
and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distance to all notable objects, and the true length
of all lines that we assist in measuring, to the best of our skill and ability,
and in accordance with instructions given us, in the survey of the
Subdivision lines of
Tps 19. N. R. 4 and 5 E

BOOK 306

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

Otto F. Fritsche, Chainman.
William Henry Lockridge, Chainman.
_____, Chainman.
_____, Chainman.

Subscribed and sworn to before me this 20th day
of April, 1903.

[SEAL.]

Francis Jacobs
my commission expires Notary Public.
March 2-1904

We, Ora Wheeler
and William O Capps and John Farris
do solemnly swear that we will well and truly perform the duties of
flagman and axmen, in the establishment of corners and other duties,
according to instructions given us, to the best of our skill and ability, in
the survey of the Subdivision lines
of Tps. 19 N. R. 4 and 5 E

BOOK 306

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

Ora Wheeler Flagman.
William O Capps Axman.
John Farris Axman.
_____, Axman.

Subscribed and sworn to before me this 20th day
of April, 1903

Francis B. Jacobs
Notary Public.
my commission expires
March 2^d 1904

(For catho of corrections see Book E. 3
7 Ips. 49 N. Ro. 4 and 5 E.)

2. 19 N. R. 4 E

BOOK 306

BOOK

306

306

Survey Commenced
April 20, 1903.

and executed with a
Gurley light mountain
transit with Burt Solar
attachment.

I tested the instrument
on the meridian at
Fossilwood Spring and
put it in proper adjust-
ment April 18th 1903.
See South Body of T. 19 N., R. 5 E.
April 20th at 9 a.m. l.m.t.

at the cor. of sec 35 and
36 on the S. bdy. of the 36

I lay off $35^{\circ} 01' N.$ on the
lat. arc; $11^{\circ} 16' N.$ on the
decl. arc and determine
a true meridian with
the Solar. and run

Thence

4

BOOK 306

Sect divisions of

- No. 1' N. Let Secs. 35 and 36
Over mountainous land
through dense undergrowth
Ascend
- 4.50 Ridge bears N.E. and S.W.
Descend over bluff
- 9.80 Gulch 200 ft deep course S.W.
Ascend
- 20.50 Top of sharp ridge 500 ft
above gulch, bears S.E. and N.W.
Descend
- 27.00 Gulch 300 ft deep course S.E.
Ascend
- 35⁺ Top of rim bears E and W
- 40.00 Set a sandstone 20 x 10 x 5 in
15 in in ~~the~~ ground for $\frac{1}{4}$ sec. on
marked $\frac{1}{4}$ on N. face from which
a Pine 24 in. in diam.
bears S. 77° E 46 lbs. dist.
marked $\frac{1}{4}$ S 36 B.T.

✓ 19 N.R. 4 E

an oval 10 ins. in diam
 bears S. 88° W. 42 lks. dist.
 marked 1/4 S. 35 B.T.

53-00 Ridge bears S. E. and N. W.
 ascend

59-00 descend into Gulch

62-60 Bottom of Gulch 100 ft deep course E
 ascend

73-00 Ridge bears E and W.

77 descend

80-00 Set a Sand stone 20x16x6 ins
 15 ins. in the ground for cor. of
 Secs 25-26-35 and 36
 marked with 1 notch on the S.
 and E. edges. From which
 a Pine 5 ins. in diam.
 bears N. 77 3/4 E. 68 lks. dist.
 marked T 19 N R 4 E S 35 B.T.
 an oval 5 ins. in diam.
 bears S. 27 1/2 E. 31 lks. dist

Subdivisions of

Marked T19 N. R 4 E S 36 BT.

A Pine 5 ins. in diam.

bears S. $53\frac{1}{2}^{\circ}$ N. 55 lks. dist.

Marked T19 N. R 4 E S. 35 BT.

an Oak 10 ins. in diam.

bears N $4\frac{1}{2}^{\circ}$ W. 64 lks. dist.

Marked T19 N. R 4 E S. 26 BT.

Sand Mountainous

Sail # and 3 rate

Timber Pine and oak

Mountainous and heavily
timbered land 80.00chs

April 20th 1903

April 21. at 7 a.m. I lay off 35.7th on the lat. arc and
on the decl. arc, and determine a true meridian
with the solar and run
East on a random line bet.

Secs 25 and 36.

40.00

Set temp 1/4 Sec. cor.

80-10

Intersect E. bdy. of the 36. at
the cor of Secs 25-30-31 and 36
established by me

19 NR 4 E

Thence I run
West on a true line bet Secs.

25 and 36

Over mountainous land
Through heavy timber

13.50 Descend

20.00 Gulch 100. ft deep. Course N 60° W.
Ascend

29.00 Top.

40.05 A Malpais Stone 16x8x6 ins.
11 ins. in the ground. for 1/4 Sec.
con. marked 1/4 on N face
From which

a Pine 12 ins. in diam.
bears S 63 1/2° W 15 lks. dist.
marked 1/4 S. 36. B.T.

a Pine 10 ins. in diam.
bears N 25° W. 7 lks. dist.
marked 1/4 25 B.T.

41.00 Descend

Subdivisions 17

- 55.00 Descend into Cañon
 64.00 Bottom of cañon 200ft deep
 course S.
 Ascend
 68.00 Top
 Disand
 73.00 Bottom
 ascend
 80.10 The cor. of Secs. 25-26-35 and 36
 Sand Mountains
 Deer 3^d rate
 Timber Pine some Oak
 Mountains and heavily
 timbered land 80 rods
-
- No. 1' N. bet Secs. 25 and 26
 over mountainous land
 through heavy timber
 descend
 0.25 Gulch 10 Sec. wide course E

Y 19 N. R. 4 E.

Ascend

2.60 Ridge bears E. and N.

Descend

3.90 Mooney Trail Staystiff to
Jerome bears N.E. and S.W.

16.50 Gulch 150 ft deep course N.

Ascend

21.50 Ridge bears E. and N.

Descend

29.75 Gulch 200 ft. deep course W.

Ascend

33.50 Top of Gulch bank

Ascend

36.70 Enter Gulch course S. 30 W

37.30 Leave Gulch course S 30 W

40.00 Set a sandstone 20x12x8 ins.
15 ins. in the ground for $\frac{1}{4}$ Sec
cor. Marked $\frac{1}{4}$ on W. face
From which
an Oak 10 ins. in diam,

Subdivisions of

Leas S. 57 1/4 Co. 47 W. dist.

Marked 1/4 S 25 B.T.

A Pine 30 ins. in diam.

Leas S. 70 W. 34 W. dist.

Marked 1/4 S. 26 B.T.

53.50 High Ridge Leas N.E. and S.W.
Descend

70.00 South rim of canon in-
passable, and the point for
the Sec. cor. is inaccessible
I set a sandstone 20x12x8 ins.
6 ins. in the ground to bed rock
surrounded by mound of stone
2 1/2 ft base 1 ft high for
witness cor. of Secs.

23-24-25 and 26

marked N.C. with

2 notches on S. and 1 notch
on E edge from which
A Pine 14 ins. in diam.

J. 19. N. R 4 E.

bears N 28 1/4° E. 24 lks. dist.
marked N.C. T. 19 N. R. 4 E. S. 24 B.T.

a Pine 18 ins in diam
bears S. 45 3/4° E 76 lks. dist.
marked N.C. T. 19 N. R. 4 E. S. 25 B.T.

a Pine 16 ins. in diam.
bears S. 6 3/4° W 60 lks. dist.

marked N.C. T. 19 N. R. 4 E. S. 26 B.T.
No other trees within circuit. I raise mound
2 ft. base 1 1/2 ft. high W. of 26.
The point for the cor of Sec

23, 24-25 and 26 bears N 0 1/2 W,
10.00 chs. dist from N.C.

Sand Mountainous

Circle of rate

Timber Pine some east

mountainous and heavily
timbered land 8000 chs

April 21, 1903

April 22 at 7:50 a.m. I lay off 35° 03' N on the lat.
arc and 11° 57' W on the ~~meridian~~ ^{meridian} and determine
a true meridian ^{to solar gage run.}
From the cor. of Sec

23, 24-25 and 26. I run
East on an offset random

Subdivisions of

line 300. chs.

Thence North $0^{\circ} 14'$
 10 chs. to a point on
 line but lies 24 and 25
 East of the point for the
 cor. of secs. 23-24-25 and 26
 Thence East

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

80.02 Intersect E. bdy of the 26.
 at the cor. of secs. 24-25 & 30
 established by me

Thence I run
 West on a true line bet,
 Sects 24 and 25
 over mountainous land
 through heavy timber
 Ascend

100.00 Ridge bears N. and S.

13.00 Descend

17.00 Gulch and Mooney Trail

J. 19. 4 N. R. 4 E

Bears N-E. comes S. W
Ascend

25-00 Descend

40-01 Set a Sandstone $18 \times 10 \times 6$ ins
12 ins in the ground for $\frac{1}{4}$
See cor. marked $\frac{1}{4}$ on N face.
From which

a Pipe 2.0 ins. in diam.

Bears N 37° E 57 lks. dist.

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

a Pipe 1.8 ins. in diam

Bears S. 25° W. 48 lks. dist.

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

47.00 Descend more abrupt

60.00 Descend into Canon comes
N.

80.02 The point for cor of Sec

23-24 25 and 26 *inaccess-*
able.

Sand mountainous

Oil 4 $\frac{1}{2}$ late

Subdivisions of

Timber Pine
mountainous and heavily
timbered land 80.02 chs.

The point for cor. of Sec. 23-24-25+26 being
inaccessible ^{run}

From the $\frac{1}{4}$ cor. bet. Secs.

24 and 25. I run

N 0° 1' W.

20.00 chs

Thence

Nest.

40.01 chs to a point on
line bet. Secs 23. and 24

N 0° 1' W. 30.00 chs from the
Witness cor. which is
plainly visible -

Thence

N 0° 1' W. bet. Secs 23 and 24

over mountainous land
through heavy timber
ascend.

Y 19. N. R. 4 E

- 23.00 Ridge bears N.E. and S.W
Descend
- 34.40 Gulch 200 ft deep course S.W
Ascend
- 40.00 Pit Limestone 18x10x4 ins.
12 ins. in L_g ground. for $\frac{1}{4}$ Sec.
Cor. marked $\frac{1}{4}$ on N. face
Form which
a cedar 12 ins in diam.
bears N 87° E 121 lbs. dist.
marked $\frac{1}{4}$ S. 74 B.T.
no other tree available
raise mound of stone
3 ft. base 1 1/2 ft high N of the Cor.
Pit is impracticable
- 44.00 Ridge bears N.E. and S.W.
Descend
- 79.75 Gulch 40 lbs wide course S.W
Ascend
- 80.00 Pit Limestone 30x12x8 ins.

Intervisions of

It is in the ground, for
 cor. of Secs. 13-14. 23 and 24
 Marked with 3 notches on S,
 and 1 notch on E edge
 from which

An Oak 8 ins in diam.
 bears N 83° E. 77 lks. dist.
 Marked T 19 N R 4 E S 13 B.T.

An Oak 8 ins. in diam.
 bears S. 61½° E 15 lks. dist.
 Marked T. 19 N. R. 4 E. S. 24 B.T.

An Oak 6 ins in diam
 bears S. 23½° W 4 lks. dist.
 Marked T 19 N R 4 E. S. 23 B.T.

An Oak 8 ins. in diam.
 bears. N 80° W. 9 lks. dist.
 Marked T. 19 N. R. 4 E. S. 14 B.T.

Sand Mountainous

Soil 4th rate

Timber Pine and Oak

T 19. N. R. 4 E

Mountainous and heavily
timbered land 8,000 acs.

April 22, 1903

~~April 23, at 1:30^{pm} am. Mt. Slay off 3508 ft. on the lat. line
and 12' from the decl. arc and determining a true
meridian with the solar and run
East on a random line~~

but Secs. 13 and 24

40.00 Set temp. 1/4 Sec. cor

80.15 Intersect E. bdy. of the 2^d 23
Ets. S. of the cor. of Secs 13-18-19
and 24. established by me

Thence I run

S 89° 50' N, on a true line
but Secs. 13 and 24

Over mountainous land
through heavy timber
descend

14-45. Trail to Hunter Cabin bears

S. E. and N. W

21-60 Gulch 30 Ets. wide course

Subdivision of

- N. 60° W,
Ascend
- 38.00 Rim of Yucca Canon
bears N and S.
- Descend in place
- 40.07 1/2 ~~at~~ a Malpais Stone, 8 x 18 x 12 ins.
1/4 above ground for 1/4 sec,
with a + at corner and
cor, marked 1/4 on N of +
- From which
- at 100 to 100 ins in diam -
bears N 16° E 6 lks. dist.
marked 1/4 S. 13 B.T.
- at Rice 12 ins. in diam,
bears S 15 1/2° W 6 1/2 lks. dist.
marked 1/4 S. 24 B.T.
- 53.75 Trail bears N and S.
- 79.60 Gulch 50 lks. wide course S. W
500 ft. below 1/4 cor.
Ascend
- 80.15 The Cor of Rice 13-14-23 and 24

J 19 N. R. 4 E

Sand Mountains

Oil & rate

Timber Pine and oak
Mountains and heavily
timbered land 80, 15 cts.

No. 1 N. bet Secs. 13 and 14
over mountains and
through dense undergrowth
of oak and manzanita
Ascend

1500. Ridge slopes S. N
Descend

29.10 Gulch 25 ft. wide course S. N.
Ascend

4000 Pit Malpais Stone 18 x 12 x 10 ins
12 ins. in to ground for 1/4
Sec. cor marked 1/4 on N face
From which
a Cedar 14 ins. in diam

Subdivisions of

bears S. 12° E $17\frac{1}{4}$ lks. dist.

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

A Pine 16 ins. in diam.

bears S $71\frac{1}{4}$ W. 290 lks. dist.

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

44.25 Top of steep ridge bears E. and N.

51.25 Descend steep bluff
bears N.E. and S. W.

52.50 Bottom 100 ft below top

64.60 Descend

67.25 Trail bears S 60° E and N 60° W

72.50 Gulch 30 lks. wide, running
water, course N 60° W.
The Winter Cabin bears
N. 2 cks.

Ascend

73.25 Spring good clear water

75.00 Gulch 28 lks. wide corner S. W.

80.00 A Malpais stone $24 \times 14 \times 8$ ins
18 ins. in the ground for

19 N. R 4 E

Cor. of Secs. 11-12-13 and 14
 marked with 4 notches on S,
 and 1 notch on E. edge

From which

A Cedar 12 ins. in diam.
 bears ~~N~~ N 56° E 149 Chs. dist.

Marked T 19 N, R 4 E, S, 12 B.T.

A Cedar 24 ins in diam.

bears S 27½° E 205 Chs. dist.

Marked T 19 N, R 4 E S 13 B.T.

No other trees available

raise mound of stone
 3 ft base 2 ft high. N of cor.

Pitts unpracticable

Land mountainous

@ oil 4 ¢ rate

Timber scattering Pine - oak
 mountainous land and land
 covered with dense undergrowth
 80 ¢ chs. April 23^d 1903

Subdivision of
^{up to 24 at 8 am. l.m.t. 5 sec. of 550' N. on set, etc}
^{and 120' 37" on dist. arc, and determine a true meridian}
^{with the car and run}
 N. $89^{\circ} 50' E$ on a random

line bet Secs. 12 and 13

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

80.28 Intersect the E. bdy. of the 7th
 9 lks. N. of the cor. of Secs
 7-12-13 and 18, which I
 established

Thence I run

S $89^{\circ} 54' W$ on a true line
 bet Secs 12 and 13

over mountainous land
 through heavy timber
 Ascend

24.00 Gulch 20 Lds. wide Course S. W
 Ascend

40-14 Set a malleable stone $18 \times 14 \times 8$ ins.
 12 ins in the ground for $\frac{1}{4}$ Sec. Cor
 marked $\frac{1}{4}$ on N face From which
 an Oak 12 ins in diam
 bears N. $32\frac{1}{2}^{\circ} E$. 6 l. lks. dist.

Y 19 N R 4 E 1

Marked 1/4 S 12 B.T.

a Pine 30 ins. in diam.
bears S 31° W. 94 lks. dist.

Marked 1/4 S. 13 B.T.

Descend

76.00 Gulch 20 lks. wide comes S.W.
ascend80.28 The cor. of Secs 11-12-13 and 14
Sand MountainousSoil 4 $\frac{1}{2}$ rodsJuniper Pine - Oak and Cedar
Mountainous and heavily
timbered land 80.28 lks.

N 0° 1' W. bet. Secs 11 and 12
over mountainous land
through dense undergrowth
Ascend28.00 High Ridge bears E and W
Descend

Subdivisions of

- 40.00 Sda. malpais stone 24x12x8 ins
18 ins. in to ground for $\frac{1}{4}$ sec. cor
marked $\frac{1}{4}$ on W. face from which
a cedar 16 ins. in diam.
leads N $65\frac{1}{2}^{\circ}$ E. 76 lks. dist.
marked $\frac{1}{4}$ S. 12 B.T.
a Pine 18 ins. in diam.
leads S. 10° W 70 lks. dist.
marked $\frac{1}{4}$ S. 11 - B.T. ~~April 25 - 1902~~
April 25, at 7 $\frac{1}{2}$ a.m. m.t. & set off $35^{\circ}5'$ N on the lat.
arc; $12^{\circ}57'$ N. on the dept. arc. and determine a
true meridian with the solar
at the above $\frac{1}{4}$ sec. cor. and run thence N $6^{\circ}10'$ W.
- 47.50 Cañon 300 ft deep course S.W
Ascend
- 53.25 Top of rocky point facing N
Descend
- 55.00 Gulch 25 lks. wide course S.W.
Ascend
- 66.00 Ridge leads N, E, and S. W.
Descend
- 73.00 Gulch 30 lks. wide course S. W
Ascend

✓ 19 N. R. 4 E

over Malpais bluffs
 80.00 Set a Malpais Stone 20x8x8 ins.
 15 ins in the ground for corriples
 1-2-11 and 12 marked
 with 5 notches on S and 1
 notch on E. edge From which
 a Cedar 14 ins. in diam.
 bears N 50° E ³⁸ 28 lks. dist.
 Marked T 19 N. R 4 E S. 1 B.T.
 An Oak 5 ins. in diam.
 bears S 44° E ³⁵ 28 lks. dist.
 marked T 19 N. R 4 E S. 12 B.T.
 A Cedar 20 ins. in diam.
 bears S. 43° W. 77 lks. dist.
 marked T 19 N. R 4 E S 11. B.T.
 A Cedar 16 ins. in diam
 bears N 76° W. 161 lks. dist.
 marked T. 19 N. R. 4 E. S 2 B.T.
 Sand mountains
 Oil & ¹/₂ rate

Subdivisions of

Timber Pine Cedar and Oak
 Mountains land and
 Land covered with dense
undergrowth 80,000 lbs

N. $89^{\circ} 54' E$ on a random
 line bet Secs. 1 and 12

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

~~80.34~~ ^{79.84} Intersect E. bdy. of Sp.
¹⁹ 21 lks. N. of the cor. of Secs
 1-6-7 and 12. which
 I established

Thence I run
^{S. $89^{\circ} 46' W$}
~~N. $89^{\circ} 57' N$~~ on a true line
 bet Secs. 1 and 12.

Over mountainous land
 through heavy timber
 ascend

16.00 Ridge bears N. and S.
 descend

~~40.17~~ 34.97 at a malpais stone 18x8x5 ins.
12 ins. in the ground, for 1/4 sec.
cor. marked 1/4 on N face -
from which

a Pine 12 ins. in diam.
N. 75° W 18
hears N 58 1/2° E 12 lvs. dist.

marked 1/4 S. 1 - B.T.

an Oak 14 ins in diam
hears S 57° E 45
5 1/4 E 5 lvs. dist
marked 1/4 S. 12 B.T.

46.85 Trail to Winter Cabin
hears N. and S.

64.00 Gulch 30 Sec. wide course S. W.
Ascend

71.00 Top of gulch band
Descend

~~80.34~~ 79.84 the cor. of Secs. 1-2-11 and 12
Sand mountains
Dial 4th rate

Timber Pine Cedar and Oak

Subdivisions of

Mountains and heavily
timbered land 80.34 chs.

April 25, 1903.

April 26, at 7th m. S. mt. I set off $35^{\circ} 5' N$ on the
S. arc and $13^{\circ} 17' N$ on the decl. arc and determined
a true meridian with the solar and vers.

$N. 0^{\circ} 1' N$ on a true line

cut Secs 1 and 2.

Over mountainous land

through heavy timber

16.00 Descend

25.00 Cañon 200 ft deep course S. W.

Ascend

30.50 Ridge bears N. E. and S. W.

40.00 Set a melpais stone $18 \times 10 \times 8$ ins.

12 ins. in the ground, for $1/4$ Sec

cor. marked 114 on W. face

From which

a Pine 18 ins. in diam.

bears S. $85^{\circ} E.$ 78. lvs. dist.

marked $1/4 S. 1 P.T.$

a Pine 18 ins. in diam.

North
1/2 mile; see

amended
Survey Book
"D"

Y 19 N. R. 4 E

Bears ~~N. 56° W.~~ ⁵⁸ N. 95 E. dist.

marked 145.2 B.T.

48. 00 Descend.

68. 75 Canon 200 ft deep course N.W.

Ascend

77. 40 Intersect N. bdy. of the sp.

11.18 ch^{89°10'} N. of the cor. of Sec

1. 2-35 and 36. Established
by me.

I set a Malpais stone 18x8x6 ins.
12 ins in the ground, for cor. of
Sec. 1. and 2 marked with
1 notch on E and 5 notches on
N edge. — From which,
a Pine 18 ins in diam.

Bears S. 83½° E. 148 E. dist

marked T. 19 N. TR 4 E 51 B.T.

a Pine 24 ins. in diam.

Bears S. 69° W. 97 E. dist

marked T. 19 N. R 4 E. 52 B.T.

Subdivisions of

I destroy the markings on the trees, at the old con. referring to these Secs. -

Land mountainous

Soil & rate

Timber Pine, oak and Juniper
Mountainous and heavily
timbered land 7740 ac.

April 26th 1903

April 27th ¹⁹⁰³ at ^N G. A. Mt. Mt. T.
at the cor. of Secs.

34 and 35 on the S. bdy. of
the $\frac{1}{2}$ established by me
I set off $35^{\circ} 0'$ on the S. E. arc, and $13^{\circ} 36'$
on the decl. arc and determined
true meridian with solar
run

Now N. by Secs. 34 and 35 -

Over mountainous land

through dense undergrowth

Ascend

2.00 Ridge bears S. E. and N. W

J. 19 N. R. 4 E

Descend

8.25 Gulch 2000 yds. wide comes S. E.

Ascend over steep bluffs

26.00 Top of rim 600 ft above sea.
cor. bears N. E. and S. W.

29.40 Descend 1 way abruptly

40.00 Set Limestone 18 x 12 x 8 ins

12 ins in the ground for 1/4

Sec. cor. marked 1/4 on N. face
and raise mound of stone

3 ft. base 2 ft high N. of cor

Pits impracticable

63.00 Bottom of Canon 800 ft deep
course S. E. to N.

Ascend

80.00 Set a sand stone 20 x 10 x 5 ins

6 ins in the ground surrounded
by mound of stone for conf. Sec.

26-27-34 and 35 - marked

with 1 notch on S. and 2 notches

Sect divisions of

on E. edge of. From which

a Pine 12 ins. in diam.

Bears N 59° E. 74 lks. dist.

Marked T 19 N. R 4 E S. 26 B.T.

a Pine 8 ins. in diam.

Bears S. 37° E. 11 lks. dist.

Marked T. 19 N. - R. 4 E S. 35 B.T.

a Pine 14 ins in diam.

Bears N 8° W. 182 lks. dist.

Marked T 19 N. R 4 E S. 27. B.T.

no other tree available.

4 lks. W. of this con. is the
edge of a perpendicular bluff
descending 150 ft.

Land mountainous

@ air 4th rate

Similar scrubby Pine and Oak

Mountainous land and land

covered with dense undergrowth

80.00 cts April 27th 1903

J 19 N R 4 E

April 28, at 7^{1/2} hour 1 m. t. set off 55' ^{on the latitude, and 13° 55' N. on the decl. arc and}
^{let a line & true meridian with the solar and}
 east on a random line

but, Secs 26 and 35-

100. Set turn 1/4 Sec. cor.

79.92 Intersect N and S. line 43.
 W. S. of the cor. of Secs. 25-26
 35 and 36.

Then I run

S 89° 42' N. on a true line
 bet. Secs. 26 and 35-

Over meunlainers land
 through heavy timber
 21.50 E. rim of Lycaonovr Canon
 bears N. and S.

Descend

39.96. set Limestone 18x10x5 ins.
 12 ins. in the ground for 1/4
 Secs. cor. marked 1/4 on N face
 and raise 2 inches of stone
 3 ft. base 2 ft. high N. of cor
 Pits impassible

Subdivision of

- Ascend
- 61.00 Ridge bears S. E. and N. W.
Thence along @. slope of high
butte - descending
- 79.92 the cor. of secs 26-27. 33 and 34
Land mountainous
@ air 4th rate
Timber. E. end Pine
Mountainous and heavily
timbered land and land covered
with dense undergrowth 79.92 to
- April 28th 1903
April 29, at 7 A.M. 1 m. S. of sec 35th N on the
lat. arc and 14' 14" N on the decl. arc and determine
a true meridian with the solar, and run
N 0° 14' N. bet. Secs. 26 and 27
Over mountainous land
through dense undergrowth
Ascend
- 6.75 Ridge bears N E. and S. W
Descend
- 16.75 Bottom of canon 400 ft deep

U
 519 N. R 4 E

course N 60 W.

Ascend

26.00

Ridge bears S. E and N. W

Descend

40.00

at Sandstone 20 x 12 x 10 ins

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

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

and raise a mound of stone

3 ft. base 2 ft high N. of cor.

Pits unpracticable

53.50

Bottom of canon 600 ft deep
 course N.

Ascend

67.00

Ridge bears E and W

Descend

80.00

at Red Sandstone in
 place 18 x 36 x 24 ins above
 ground for cor. of Sect.

22-23-26 and 27

marked with a + at the

36.

BOOK 306

Subdivision of

exact cor. point and 2 notches
on S. and E. sides and raise mound
of stone 3 ft. base 2 ft. high W. of cor.
Pits impracticable
Land mountainous

② acre of $\frac{1}{2}$ rate

No timber

Mountainous land and land

covered with dense undergrowth

8000 chs. April 29, 1913.

Y 19 N. R. 4 E

Note

There being no sec. cor.
on the E. to close upon
I run the line bet sec. 23 and 26
N $89^{\circ}47'$ E. as a true line
and establish the $\frac{1}{4}$ sec. cor.

40.00
at ~~39.95~~ dis. - (m.t.) I set $55^{\circ}3''$ on the lat
April 30, at 7th a.m. on the decl. arc and determine
a true meridian with the solar, and run

N $89^{\circ}42'$ E. on a true line
bet. Secs 23 and 26

Over mountainous land
through dense undergrowth
Ascend very steep mountain

37-50 Top of high ridge 700 ft. above
Sec. cor.

Descend

40.00 set Sandstone $18 \times 10 \times 8$ ins.
12 ins. in the ground for $\frac{1}{4}$ sec
cor marked $\frac{1}{4}$ on N. Side
and raise a mound of stone
3 ft. base 2 ft. high N. of cor.

Sect description of

Pits impracticable
 along S. side of
 Canon course $N 70^{\circ} W$
~~79.99~~ point for cor. of Secs (in access-
 ible)
 73-74-75 and 76 \nearrow

Land mountainous

Oil $4 \frac{1}{2}$ rate

Timber scattering Pine and
 Oak

Mountainous land and
 land covered with dense under-
 growth ^{40.00} ~~79.99~~ ch

$N 0^{\circ} 1' W$ bet Secs 72 and 73

Over mountainous land
 through dense undergrowth
 descend

7.50 Gulch 20 ft. wide course S. W
 ascend

24.00 Ridge bears E. and W.

Y 19 N. R. 4 E

Descend

40.00 Set a Lime stone $18 \times 8 \times 5$ ins.
 12 ins. in the ground for $\frac{1}{4}$ Sec.
 cor. Marked $\frac{1}{4}$ on W. face
 3 from which

A Pine 12 ins. in diam.

bears $S 15^{\circ} W$. 32 lks. dist.

Marked $\frac{1}{4} S 22 B.T.$

No other tree available

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

Pits impracticable

This cor. is on E. slope of
 bluff, dropping very abruptly
 into deep Canon on N.E.

44.00 Bottom of canon 300 ft. deep
 75 lks wide course N 70 W.

45.00 Ascend very steep bluff.

45.00 Ridge bears N.E. and S.W

73.00 Canon 200 ft. deep course S. W.

73.80 Trail into Sycamore Canon

40

Sect de vesours 07

bears N.E. and S.W
ascend

80.00 Pit Limestone 24 x 14 x 12 ins.
18 ins. in dia ground for cm.
of sect 14-15-22 and 23
marked with 3 notches on S.
and 2 notches on E. edges
from which

A cedar 12 ins in diam.

bears S. 16 1/2° E 267 ex. dist.
marked T 19 N. - R 4 E. S 23 B.T.
no other tree available

raise mound of stone
3 ft. base 2 ft. high N. of cm.
Pits impracticable

Sand Mountains

Soil + $\frac{1}{2}$ rate

Timber Pine. oak. Cypress
along the cañons

Mountainous Sand and land
covered with dense undergrowth

✓ 19 N. R. 4 E

80.00 chs.

April 3, 1903

May 1. at 7^h a.m. I set off $35^{\circ} 4' N$
on the lat. arc, and $14^{\circ} 51' N$ on the decl.
arc and determine a true meridian with
the solar and run

$N 89^{\circ} 45' E$, on a random
line bet Secs 14 and 23

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

79.70 Intersect n. and S. line 3. lks.

S. of cor. of Secs 13-14-23 and 24

Thence I run

$589^{\circ} 44'$ W on a true line

bet Secs. 14 and 23.

Over mountainous land
through heavy timber

Ascend

13.00 Ridge bear N.E. and S.W

Descend

25.75 Gulch 50 lks. wide comes S.W

Ascend

39.00 Descend

39.85 Set Malpais stone $18 \times 10 \times 6$ ins

Surtdivisions of

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

a cedar 10 ins. in diam
 bears S $20\frac{1}{2}^{\circ}$ W. 191 lks. dist.

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

a cedar 12 ins in diam.

bears N $57\frac{1}{2}^{\circ}$ W 278 lks. dist.

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

46-00

ascend steep ridge

53-00

Top of ridge bears N. and S.

Descend

67-10

Trail bears N and S,

73-50

Trail 20 lks. wide comes S,

ascend

73.80

Trail into Sycamore Canon
 bears N. and S.

79.70

The cor. of Secs 14 - 15
 22 and 23.

Sand Mountains

1
 19 N. R. 4 E.

Deer ^{to} + rats

Timber scattering Pine and
 cedar

mountainous land and
 land covered with dense
 undergrowth of oak
 79.70 chs

N 0° 1' N. bet Secs 14 and 15
 over mountainous land
 through dense undergrowth
 ascend

20.50 High ridge bears N 60° E + S 60° W
 descend

25.00 Enter heavy timber bears
 E and W.

30.00 a Lake 4. chs. long - 150 chs.
 wide bears E. 2 chs.

40.00 set Malpais stone 74 x 16 x 5 ins.
 18 ins. in the ground for 1/4

Sect divisions of

sec. cor. marked 1/4 on
N. face. — From which
a Pine 24 ins in diam.
bears N 72° E 71 lks dist.
marked 1/4 S. 14 B.T.
an Oak 10 ins. in diam.
bears S. 7 1/2° W 17 lks. dist.

marked 1/4 S 15-B.T. ✓
May 2, at 7 1/2 a.m. L.M.T. I set off 35° 4' N. on the lat arc
15° 8' N. on the decl arc and determine a true meridian
with the solar at this 1/4 sec. cor.

- 62-00 Gulch 30 lks. wide course N.W.
Ascend
- 67-00 Ridge bears E and W
- 69-00 descend very steep hill
- 71-25 Conon drift deep course W.
Ascend
- 78-50 Top of N. rim of conon
Descend
- 79-60 Gulch 20 lks. wide course W.
Ascend
- 80-00 W Limestone in place

VI
 T 19 N. R. 4 E.

24 x 36 x 20 ins. above ground
 for cor. of secs 10-11-14 and 15.

I cut a + at the exact
 cor. point and 4 notches
 on S and 3 notches on E
 of +. From which
 a cedar 6 ins in diam.

bears N 50 $\frac{1}{4}$ ° E 53 lks. dist.

marked T 19 N. R 4 E S. 11 B.T.

a cedar 18 ins in diam

bears S 10 $\frac{1}{2}$ ° E. 78 lks. dist.

marked T 19 N. R 4 E. S 14 B.T.

a cedar 18 ins in diam.

bears S 52 $\frac{3}{4}$ ° W. 78 lks. dist.

marked T 19 N. R. 4 E. S. 15 B. T.

a cedar 6 ins. in diam.

bears N 44° W 75 lks. dist.

marked T 19 N. R 4 E. S. 10 B.T.

Tand Mountains
 Soil 4 $\frac{1}{2}$ rats

Subdivisions of

Timber Pine and Cedar
mountainous land heavily
timbered land and land
covered with dense under-
growth of oak 80.00 chs

N. 89° 44' E, on a random
line bet. Secs 11 and 14.

40.00 bet temp 1/4 sec. cor.

79.82 Intersect n and S. line 18
lks. N. of cor. of Secs. 11-12

13 and 14. — May 2, 1903
May 4, 7:30 a.m. I set off 35° 41' N on the
lat. line, and 15° 48' N on the decl. arc, and determined
a true meridian with the solar.

Thence I run

S 89° 52' W on a true line
bet. Secs. 11 and 14.

Over mountainous land
through dense undergrowth
ascend along N. side of
Gulch

U
 ✓ 19 N. R. 4 E

- 31.00 Gulch 25 lks. wide course S.
 Ascend
- 39.91 Set Malpais stone 20 x 8 x 6 ins.
 15 ins in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N face
 — from which
 a cedar 20 ins in diam.
 bears S $36\frac{1}{2}$ ° W. 119 lks. dist.
 marked $\frac{1}{4}$ 5 14 - B.T.
 no other tree available
 raise a mound of stone 3 ft.
 base 2 ft high N of cor.
 Pits untractable
- 43.00 Top of ascent on S. slope of ridge
 Descend
- 50.00 Gulch 20 lks. wide course S 25 ° W
 Ascend
- 52.00 Ridge bears NE and SW
 Descend
- 63.00 Gulch 25 lks. wide course S 30 ° W

Subdivisions of

- 66.00 Ridge bears N.E. and S.W.
Descend
- 70.50 Gulch 20 fts. wide course ^{S.W.}
Ascend
- 75.00 Ridge bears N.E. and S.W.
Descend
- 79.00 Gulch 15 fts. wide course ^{70°}
Ascend _{S.W.}
- 79.82 The cor. of Secs. 10-11-14 and 15-
Tand Mountains
Oil & $\frac{1}{2}$ rate
Timber scattering Pine and
Cedar
mountainous land and
land covered with dense
undergrowth of Oak 79.82 chs.

* May 5, at 7^h a.m. cont. I set off 35' S on the lat. arc and 16° 3' N on the def. arc, and determine a true meridian with the solar \rightarrow

19 N. R. 4 E

N^o 1/4 Sec. 10 and 11
over mountainous land
through dense undergrowth
ascend

5.00 Ridge bears N.E. and S.W.
descend

8.00 descend over bluffs into Canon

30-80 Bottom of canon 700 ft. deep
course S.W.

32.00 Ascend

40.00 set a Limestone 18x10x8 ins.
12 ins in the ground for 1/4 Sec
cor. marked 1/4 on W. face
and raise a mound of
stone 3 ft. base 2 ft. high
W. of cor.

Pits impracticable

* May 4th 1903

-55-50 Ridge 1000 ft above bottom
of canon bears N.E. and S.W

Settlements of

Descend

72.50

Gulch 30 fks. wide course W,

Ascend

80.00

sit a Malpais stone 20x12x8 ins.

15 ins in the ground for cor. of

nos 1-3-10 and 11

marked with 5 notches on S
and 2 notches on E. edges

From which

a cedar 4 ins. in diam.

bears N 24³/₄ E. 98 fks. dist.

marked T 19 N R 4 E. S 2 B, T

a cedar 12 ins. in diam.

bears N 10° W 127 fks. dist.

marked T 19 N. R 4 E. S. 3 B, T

No other trees available
raise mound of stone 3 ft
base 2 ft. high W of cor.

Pits impracticable

Laird Mountains

T 19 N. R. 4 E.

Said to note

mountainous land and land
covered with dense undergrowth
of oak 80.00 chs.

N 89° 52' E. on a random
line bet. Secs 2 and 11.

40.00 Set temp. 1/4 sec. cor

79.84 Interest to the N and S line 8. 2/3

79.64 E. of the cor of Secs. 1-2-11
and 12.

Thence I run
~~S. 89° 52' E.~~ ^{S. 89° 55' W.} on a true line
bet. Secs. 2 and 11

over mountainous land
through heavy timber
Descend

39.92 Set a Malpais stone 16x10x5 ins.
29.82 11 ins in the ground for 1/4

Subdivisions of

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

cedar 12 ins. in diam.

bears N 62° E 139 lbs. dist.

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

a cedar 16 ins. in diam.

bears S $7\frac{1}{2}^{\circ}$ W 171 lbs. dist.

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

61.80

Rim of Sycamore Cañon
 bears N E. and S. W

Dissected bluff 100 ft. there
 very steep slope

~~79.84~~

79.64

The cor. of Secs 2-3-10 and 11

Land Mountainous

Pair of ^{to} rate

Timber Cedar and Pine
 Mountainous and heavily
 timbered land 79.84⁶⁴ chs.

May 5th 1903

119 N. R. 4 E

May 6 at 7:15 am, went out at 35° 15' N on
the east arc, and 16° 20' N on the deck etc. and
determined a true meridian with the edge
of my

N 0° 7' W. on a true line etc.

Secs. 2 and 3.

Over mountainous land
through heavy timber and
dense undergrowth
Ascend.

5.00 Descend

15.70 Cañon 200 ft deep course W
Ascend

29.00 Ridge slopes W. to Cañon
Descend

36.10 Gulch 15 W. miles course W
Ascend

40.00 a malpais stone in place
24 x 18 x 12 ins above ground for
"4 sec. cor. I mark a + at
the exact cor. point and "4
W. of + from which
an oak 10 ins. in diam.
bears N 42 1/2° E. 75 W. dist.

For North
1/2 mile Sec.
Amended survey
Book "12"

Sut division of

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

a Pine 30 ins. in diam.

bears S 12° W. 11 lbs. dist.

marked $\frac{1}{4}$ S. 3 B.T.

Descend

61. 20

Canon 300 ft. deep course W.

ascend

63. 50

Bluff 200 ft high

Top of high ridge bears E. and W.

Descend

76. 00

Intersect N. Sdy. of the $\frac{1}{4}$ S.

11. 52. chs. 589 10 W. from cor. of

Secs 2-3-34 and 35

where I set a Limestone

18x8x6. ins. 12 ins in the ground

for cor. of Secs. 2 and 3. marked

with 2. notches E and 4 notches on

W. edges + destroy markings on old

cor. referring to these sections

and raise a mound of stone

3 ft. base 2 ft high S. of cor.

Pits impassable

Y 19 N. R. 4 E

Land mountainous

Oak & ^{the} rals

Timber Pine and cedar & oak
mountainous and heavily
timbered land and land covered
with dense undergrowth of
oak and cedar. 76. 60 chs

May 6th 1903

Surtdivisions of

Note

Owing to Sycamore Cañon cutting through the T₆ from N. to S. with its side cañons the walls of which are impassable, the Cañon being over 800 ft deep it is impracticable to survey the any part of the 3^d and 4th tiers of sections. Therefore I proceed with pack outfit to the cor. of Secs. 4, 5-32 and 33 on the S. hdy of the T₆, and May 8. at 10^h a.m. lmt. I set off 35° N. on the decl. arc, and 116° 54' N. on the decl. arc, and determine a true meridian with the solar and sun.

Y 19. N. P. 4 E.

N 0° 3' W. Sect. 32 and 33
over mountainous land
through dense undergrowth
Descend

4.50 Gulch 20 yds. wide course N. W.
ascend

8.00 Ridge low S. E. and N. W.
Descend

11.70 Gulch 15 yds. wide course N.
ascend

19.00 Ridge slopes N.
Descend

28-40. Gulch 30 yds. wide course N.

29.00 ascend high butte

40.00 Set a Sandstone 18x8x4 ins. 12 ins
in the ground for $\frac{1}{4}$ Sec. cor.
marked $\frac{1}{4}$ on W face
from which

Acacia 12 ins. in diam.
bears N 10 $\frac{3}{4}$ ° E. 100 yds. dist.

Subdivision of

- marked 4533. B.T.
 A cedar 8 ins. in diam.
 bears N 6 1/2° W. 94 lbs. dist.
 marked 4532 B.T.
 46.35 Top of butte 300 ft high
 Descend
 60.00 Bottom of Butte
 65.35 Sycamore creek course S. W
 67.00 Near Sycamore creek
 70.00 Taylor Cabin bears
 N. - 150 lbs. dist.
 71.00 ascend steep Malpais hill
 73.00 Gulch 20 lbs. wide course N. E
 76.75 Trail bears E and W
 80.00 set a sandstone 24 x 10 x 4 ins.
 18 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
 from which

T19 N. R. 4 E.

A cedar 10 ins in diam.

Bears N 30° E. 60 lbs. dist.

marked T19 N. R 4 E. S. 28 B.T.

A cedar 8 ins. in diam.

Bears S 68 1/2° E. 71 lbs. dist.

marked T19 N. R 4 E. S 33 B.T.

No other trees available

raise mound of stone 2 1/2

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

Rts impracticable

Sand Mountains

Soil + rate

Timber cedar with
sycamore and oak along
the creekMountains sand and
sand covered with dense
undergrowth of oak and man-
zanita 8000 chsMay 8^d 1903

60. ^{BOOK 306} Survey of
T 19 N. R. 4 E.

Note;

I try the line north
bet. Secs. 28 and 29
and run 10.60 chs. to
the foot of the main river
which rises

about 1000 ft and is
impassable therefore

I abandon the line
and proceed to the

cor. of Secs 30-31 and 32

at the S. Edy. of the

Sp. and May 9. at 8^h

a.m. l.m.t. I set off $35^{\circ} 1' N$ on the lat.
arc, and $17^{\circ} 10' N$ on the decl. arc and
determine a true meridian with
the solar and run thence.
(See Page 61)

(* Page 62)

✓ May 9. At this cor. (29.30-31 and 32) I set
off $17^{\circ} 12' N$ on the decl. arc, and at 3³⁰ p.m. l.m.t.
observe the Sun on the meridian; the
resulting lat. is $35^{\circ} 2' N$