

"B."

SUBDIVISIONS
OF

T. 28 N. R. 2 E. POPE

BOOK 551

No. 551

4-671

FIELD NOTES
GENERAL LAND OFFICE.

551

BOOK 551

No. 551

Field Notes
of the survey
of the
Subdivisional Lines
of
T. 28 N., R. 2, E.
G. & S. R. B. & M.
Arizona.

as surveyed by
James B. Pope,
U. S. Dep. Surveyor.
under his Contract No. 75.
dated June 13, 1900.

Survey Commenced Oct. 7, 1900.
Survey completed Nov. 3, 1900.

Preliminary Oaths of Assistants.

We, Curt Kunisch
 and E. K. Anderson
 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 Township 28 N
R. 2. E. Fm. Tp 27 N R 2 E and Tps
29 and 30 N. R. 3 E

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

Curt Kunisch Chainman.

E. K. Anderson Chainman.

Chainman.

Chainman.

Subscribed and sworn before me, this 24th

day of September 1891 1900

Newton T. Shurval
 Notary Public.

My Commission expires June 1, 1901.

[SEAL.]

We, George Leffin, James Anderson

Gus Sterwaldt, Robert Graham
Louis Lefere.

do solemnly swear that we will well and truly per-

form the duties of Assessors, Flagmen

and Monuments

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 Tp.

28 N. R. 2. E. Twp. 27 N. R. 2. E.

Tps. 29. and 30. N. R. 3. E.

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

George Leffin

James Anderson

Gus Sterwaldt

Robt Graham

Louis Lefere

Subscribed and sworn to before me this 24th

day of September 1891 900

Henry J. Shurst

Notary Public.

My Commission expires June 1, 1901



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T. 28. N. R. 2. E.

Subdivision of

chains.

October 7th. At 8^h 5^m. a.m.
l. m. t. I set off $5^{\circ} 27'$
declination and $54^{\circ} 16'$
colatitude on the vertical
circle and determine a
true meridian with the
Solar - at the cor. to
Secs. 1, 2, 35 & 36.

Thence I run a line
~~North~~ bet. Secs. 35 & 36

through dense undergrowth

1.00 begin ascent

10.00 top of ascent

20.50 begin descent, enter scattered
timber

40.00 set limestone $24 \times 15 \times 12$ ins.

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

cor. marked $\frac{1}{4}$ on W face,

dig pits $18 \times 18 \times 12$ ins. N + S

on S. Edge of Sp.

T. 28. N. R. 2. E.

chains

of stone 3 ft. dia, and raise
a mound of earth 3 ft. base
1½ ft. high W of cor.

50.00

enter dry Wash 30 ft. deep
course S 45° W.

55.00

leave dry Wash and ascend

78.50

foot of steep ascent 25 ft. high
bears E 3/4 W

79.50

top of steep ascent

80.00

set a limestone 24 x 12 x 10 ins.
12 ins. in the ground for cor. to
Secs. 25, 26, 35^{and} 36 marked
with 1 notch on ^{each} E. edges,
from which

a pinon tree 8 ins. diam.

bears N 86° 20' E. 98 lks dist
marked T. 28. N. R. 2. E. S. 25. B. I.

a pinon tree 12 ins. diam. bears
S 24° 25' E 121 lks dist. marked

Subdivision of

chains

T. 28. N. R. 2 E. S. 36. B. T.

a pinon tree 10 ins. diam. bears
 $S 68^{\circ} 45' W$ 261 lks dist. marked

T. 28. N. R. 2 E. S. 35. B. T.

a pinon tree 20 ins. diam. bears
 $N 48^{\circ} 31' W$ 231 lks dist. marked

T. 28. N. R. 2 E. S. 26. B. T.

Land: level and rolling

Soil: sandy loam and rocky
 2nd & 4th rate.

Timber: pinon, pine & cedar

Dense undergrowth 80.00 chs.

Thence I run

$N 89^{\circ} 59' E$ on random line
 bet Secs 25 & 36

40.00 set temporary $\frac{1}{4}$ Sec. cor.

80.01 intersect the E bdy of Twp.

3 lks No. of cor. to Secs. 25. 30.

T. 28. N. R. 2. E.

Chains.

31 + 36, which is a limestone
 20 x 12 x 8 ins. 12 ins in the ground
 marked with 1 North on S and
 5 Norths on N edges, from which
 a pinon tree 20 ins. diam. bears
 N 37° 30' E 54 lks dist. marked
 T. 28. IV. R. 3. E. S. 30. B. T.

a pinon tree 12 ins diam bears
 S 14° 10' E 24 lks dist. marked
 T. 28. IV. R. 3. E. S. 31. B. T.

a pinon tree 15 ins. diam. bears
 S. 64° 10' W 136 lks dist. marked
 T. 28. IV. R. 2. E. S. 36. B. T.

a pinon tree 18 ins. diam. bears
 N 55° 30' W 95 lks dist. marked
 T. 28. IV. R. 2. E. S. 25. B. T.

Thence I run

West on a true line bet. Sets.

25 + 36

Sub-division of

Chains

- Through dense pinon + cedar
- 22.00 leave timber and enter dense undergrowth
- 40.00 $\frac{1}{2}$ 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 pure dog pits 18 x 18 x 12 E and W of stone 3 ft dist and raise a mound of earth 3 ft. base $1\frac{1}{2}$ ft high No of Cor.
- 42.00 begin abrupt rocky descent
- 46.00 bottom of descent bears N W & E
- 60.00 leave dense undergrowth and scattered timber
- 80.01 the Cor. to Secs. 25, 26, 35 & 36
 Land: level and rolling
 Timber: pinon & cedar
 Soil: rocky 3rd & 4th race
 Dense undergrowth and heavily timbered land - - 70.00 chs.

T 28 N R 2 E

Chains

Thence I run N 0° 01' W

North bet. Secs. 25 & 26

begin ascent through scattered
timber and ~~scattered~~ undergrowth

5.00

Top of ascent

40.00

set a limestone 24 x 12 x 8 ins.
12 ins. in the ground for $\frac{1}{4}$ Sec. cor.
marked $\frac{1}{4}$ on W face, dig pits
18 x 18 x 12 ins N and So of stone
3 ft. dist and raise mound of
earth 3 ft. base $1\frac{1}{2}$ ft. high W
of cor.

43.50

dry wash 25 ft. deep course SE

46.00

leave dry wash and ascend

47.50

abrupt rocky ascent

49.00

Top of ascent

50.00

pass along steep rocky side
of canyon

56.00

dry wash 6 ft deep course SW

Subdivision of

Chains

63.00

level land bears E. + W

75.00

begin ascent

80.00

set a limestone $24 \times 15 \times 8$ ins.
12 ins. in the ground for Cor. of

Secs. 23, 24, 25, 26. marked

with 2 notches on S and 1 notch
on E edges, from whicha pine tree 10 ins. diam. bears
N 38° E 55 lks dist. marked

T. 28, N, R. 2, E, S. 24, B. T.

a cedar tree 8 ins. diam. bears

S 69° E 94 lks dist. marked

T. 28, N, R. 2, E, S. 25, B. T.

a cedar tree 10 ins. diam. bears

S $50^\circ 10'$ W 137 lks dist. markedT. 28, N, R. 2, ^ES. 26, B. T.

a cedar tree 12 ins. diam. bears

N $66^\circ 30'$ W 149 lks dist. marked

T. 28, N, R. 2, E, S. 23, B. T.

T. 28. N. R. 2. E.

Mans

Land & Timber and broken

Soil: gravelly and rocky 4th rate

Timber: pinon and cedar.

Dense undergrowth and heavily

timbered land — 80.00 acs.

Traverse I run

East on a random line betw.

Secs. 24 and 25

40.00

set temp. 1/4 Sec. cor.

19.98

intersect E body of Twp. at the
Cor. of Secs. 19. 24. 25 & 30,

which is a limestone 20 x 14 x 6 ins.

12 ins. in the ground marked with

2 notches on S and 4 notches on

N. edges, with pits 18 x 18 x 12 ins.

in each Sec. 5 1/2 ft. dist. and

a mound of earth 4 ft. base

2 ft. high W. of Cor.

Chains. Subdivision of

- Trenise I run
 West on true line bet. Secs. 24 & 25
 through dense undergrowth
- 11.00 dry wash 15 ft. deep 20 ft. wide
 course S 35° E.
- 27.00 begin steep ascent
- 30.00 top of ascent and pass over level
 land
- 39.99 set limestone 20 x 10 x 8 ins.
 10 ins. on the ground for $\frac{1}{4}$ Sec. Cor.
 marked $\frac{1}{4}$ on N. face. dig pits
 18 x 18 x 12 ins. E and W of some
 3 ft. dist and raise mound of
 earth 4 ft. base 1 $\frac{1}{2}$ ft. high
 N. of Corn.
- 44.00 top of ascent
- 46.00 begin descent
- 48.00 dry wash 15 ft. deep 20 ft. wide
 course S W

T₂₈, IV, R, 2, E.

Chasno	
51.00	Enter scattered timber, bears N and S.
60.00	begin ascent
62.00	top of ascent
79.98	the cor. of Secs. 23, 24, 25 & 26 Land: level and rolling Soil: rocky 4 ¹ / ₂ case Timber: pinon, pine and cedar Dense undergrowth - 50 ^{79.98} 00 ⁰⁰ hrs.
	October 7 th . 1900

October 8th. At 8 h. a. m.
l. m. t. I set up $5^{\circ}52'$
declination and $54^{\circ}14'$
latitude on the vertical circle
and determine a true meridian
with the solar at the cor. of
Secs. 23, 24, 25, & 26.
Thence I run N 00° W

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Subdivision of

Trains

- North bet. Secs, 23 and 24
through scattered timber and
dense undergrowth
- 2.00 begin ascent
- 16.⁰⁰.00 Top of ascent
- 25.00 begin descent
- 36.00 dry wash 10 ft. deep 100 yds. wide
course W and begin ascent
- 40.00 set a limestone 20 x 12 x 4 ins.
10 ins. in the ground for $\frac{1}{4}$ Sec.
Cor. marked $\frac{1}{4}$ on W face and
raised a mound of stone 2 ft.
base $1\frac{1}{2}$ ft. high W of Cor.
Pits impracticable
- 43.00 Top of ascent
- 56.00 leave timber and undergrowth
bears E and W.
- 80.00 set a limestone 24 x 20 x 4 ins.
12 ins. in the ground for Cor.

T. 28, N. R. 2, E.

Cross.

of Secs. 13, 14, 23 & 24. marked
with 3 notches on S and 1 notch
on E ~~fences~~^{edges}, dug pits 18x18x12
ins. in each Sec. 5 1/2 ft. dist.

and raised a mound of earth
5 ft. base 2 ft. high W of Corn.

Land: level and rolling

Soil: gravelly and rocky 4th rate

Timber: pinon, pine and cedar.

Dense undergrowth - - 56.00 chs.

Thence I run

East on a random line bet.

Secs. 13 and 24

40.00 set temp. 1/4 Sec. Cor.

0.04 intersect E bdy. Top. 12 lks

N of Cor. of Secs. 13, 18, 19 & 24

which is a cedar post 3 1/2 ft.

long 4 ins. sq. with marked

Subdivision of

Chains.

stone 24 ins. in the ground marked

T 28 N S 18 on N E.

R 3 E S 19 on S E.

T 28 N S 24 on S W and

R 2 E S 13 on N W faces with
3 notches on N and S edges.

pits 18 x 18 x 12 ins. in each Sec.

5½ ft. disk and mound of earth
4 ft. base 2 ft. high W of cor.

Thence I run

N 89° 55' W on a true line
bet. Secs. 13 and 24

3.50

enter dense pine and cedar
timber and begin gradual ascent

4.50

dry wash 5 ft. deep 50 lbs wide
course S 40° W

6.00

begin gentle ascent

10.00

top of ascent

16.00

begin gradual descent

T. 28. N. R. 2. E

chains	
32.00	leave timber bears N E and S W
36.00	enter timber bears N E and S W
40.00	set a limestone 20 x 12 x 12 ins. 10 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N face from which a forked pinon tree bears S 45° E 4 lks dist. marked $\frac{1}{4}$ S. 24. B. T. no other ^{trees} posts within limits, dug pits 18 x 18 x 12 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.
45.00	leave timber bears N ^{and} S.
54.00	enter dense undergrowth bears N and S.
63.00	leave undergrowth, enter open land bears N and S.

Subdivision of

Chains.

80.04

the cor. of Secs. 13, 14, 23, 24

Land: level and rolling

Soil: gravelly and rocky 4th class

Timber: pinon and cedar

Dense undergrowth and heavy

timbered land - - - 55.50 chs.

Thence I run

N 0° 1' W bet. Secs. 13 and 14

over rolling land

4.00

enter dense undergrowth

27.00

enter heavy pinon and cedar

timber bears E and W

30.00

begin gradual descent

35.00

leave heavy timber, enter dense
undergrowth

40.00

set a limestone 20 x 12 x 12 ins

12 ins. in the ground for

¼ Sec. cor. marked ¼ on

T. 28, N. R. 2, E.

Chains.

- W face, dug pits 18 X 18 X 12 ins.
N and S of same 3 ft. dist
raised a mound of earth
3 1/2 ft base 1 1/2 ft. high
W of corn.
- 44.00 enter heavy pinon and cedar
timber, bears E and W,
begin steep ascent.
- 50.00 top of ascent
- 55.00 begin gradual descent
- 50.00 set a limestone 18 X 12 X 3 ins.
10 ins. in the ground for cor
of Sers. 11, 12, 13 & 14 marked
with 4 notches on S and 1 notch
on E edges, from which
a cedar tree 20 ins. diam. bears
N 33° 30' E 171 lks dist. marked
T. 28, N. R. 2, E., S. 12, B. T.
a cedar tree 18 ins. diam. bears

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Chains

Subdivision of

S 69° E 12 lks dist. marked

T. 28, N. R. 2, E. S. 13, B. T.

a cedar tree 12 ins diam bears

S 62° 30' W 138 lks dist. marked

T. 28, N. R. 2, E. S. 14, B. T.

a cedar tree 8 ins. diam. bears

N 61° W 85 lks dist. marked

T. 28, N. R. 2, E. S. 11, B. T.

Land: level and rolling

Soil: loam and rocky
2nd and 4th rate

Timber: pinion and cedar.

Dense undergrowth and heavily

timbered land - - 76.00 acs.

Thence down

S 89° 55' E on a random line

bet Secs. 12 and 13

40.00

set temp. 1/4 Sec. cor.

T. 28, N. R. 2, E.

chains

79.90
79.90

intersect E. bdy. of Top.

13 lks N. of cor. of Secs.

7, 12, 13 and 18, which is a
cedar post 3 1/2 ft. long 4 ins. sq.

20 ins. on the ground, marked

T 28 N 57 on NE

R 3 E S 18 on SE

R 2 E S 13 on SW

and S 12 on NW faces

with 2 notches on N and 4 notches
on S edges, from which

a pinon tree 20 ins. diam. bears

N 48° E 95 lks dist. marked

T. 28, N. R. 3, E. S. 7, B. T.

a cedar ~~post~~ tree 18 ins. diam.

bears S 65° 30' E 51 lks dist. marked

T. 28, N. R. 3, E. S. 18, B. T.

a pinon tree 8 ins. diam. bears

S 60° 30' W 105 lks dist. marked

Subdivision of
Chains.

T. 28. N. R. 2. E. S. 13. B. T.

a pinon tree 12 ins. diam. bears
N 88° W 89 lks dist. marked

T. 28. N. R. 2. E. S. 7. B. T.

Thence I run

N $89^{\circ} 50' 19''$ W on a true line bet
Secs. 12 and 13.

through heavy pinon and cedar
timber.

- | | |
|-------|---|
| 6.00 | begin gradual ascent |
| 11.00 | top of ascent |
| 14.00 | begin abrupt rocky descent |
| 17.00 | bottom of descent |
| 18.00 | dry wash 10 ft. deep 20 ft. wide
course $\searrow 30^{\circ}$ E. |
| 24.00 | begin gradual ascent |
| 36.00 | leave heavy timber |
| 39.95 | set a limestone $24 \times 15 \times 4$ ins
12 ins. in the ground for $\frac{1}{2}$ Sec. |

T. 28. IV. R. 2. E.

Chains.

Cor. marked $\frac{1}{4}$ on N face,
 dry pits 18 x 18 x 12 ins. E and
 W of stone $3\frac{1}{2}$ ft. dist. and
 raise a mound of earth $3\frac{1}{2}$ ft.
 base $1\frac{1}{2}$ ft. high ~~W~~ of cor.

44.00

enter heavy timber pinon and
 cedar bears N E and S W

52.00

begin abrupt rocky descent
 bears N E and S W

57.00

dry wash 50 lbs wide bears
 S W

79.90

the cor. of Secs, 11, 12, 13 & 14
 Land: rolling and broken
 Soil: loam and rocky 2^{nd} .
 and 4^{th} rate

Heavily timbered land 72.00 acs.

October 8th 1900

October 9th. At 7^h 35^m a.m.

Subdivision of
Chains.

- l. m. A. I set of $6^{\circ}13'$
 declination and $54^{\circ}12'$
 colatitude on the vertical circle
 and determine a true Meridian
 with the Solar at the Cor. of
 Secs. 11, 12, 13 and 14.
 Thence I run
 N $0^{\circ}1'W$ bet. Secs. 11 and 12
 through heavy pinon and cedar
 timber
 20.00 dry wash 150 lks wide course
 S $40'W$
 22.00 begin steep ascent bears NE
 and SW
 27.00 top of ascent
 30.00 begin gradual descent
 37.00 begin gradual ascent and
 leave heavy timber and enter
 dense undergrowth of pinon
 and cedar

T. 28. N. R. 2. E.

Chains	
40.00	set limestone 20 x 12 x 8 ins. 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W face dry pits 18 x 18 x 12 ins. N and S of stone 3 $\frac{1}{2}$ ft. dist raise mound of earth 4 ft base 1 $\frac{1}{2}$ ft. high W of Cor.
44.00	begin gradual ascent
46.00	enter heavy pinon and cedar timber
50.00	top of ascent, level land
63.50	dry Wash 50 lks wide course W
64.30	begin abrupt rocky descent
70.00	top of rocky ascent
71.00	begin steep descent
73.00	dry Wash 20 ft. deep 100 wide course S 48° W
74.00	leave Wash, begin steep ascent 40 ft. high

Subdivision of

77.00

80.00

top of ascent 40 ft. high

set a limestone $20 \times 12 \times 10$ ins.
 12 ins. in the ground for one of
 Secs. 1, 2, 11 & 12 marked with
 5 notches on S and 1 notch on
 E edges, from which

a pinon ^{tree} 12 ins. in diam. bears
 N $70^{\circ}30'$ E 73 lks dist. marked
 T. 28. IV. R. 2. E. S. 1. B. T.

a pinon tree 6 ins. diam. bears
 S $77^{\circ}10'$ E 68 lks dist marked
 T. 28. IV. R. 2. E. S. 12. B. T.

a pinon tree 9 ins. diam. bears
 S $39^{\circ}10'$ W 119 lks marked
 T. 28. IV. R. 2. E. S. 11. B. T.

a pinon tree 6 ins. diam. bears
 N 80° W 7 lks. dist. marked
 T. 28. IV. R. 2. E. S. 2. B. T.

Land: mountainous

T. 28, N. R. 2, E. 1.

Soil: stony 4th rate

Timber: pinon and cedar

Mountains and heavily

timbered land - - 80.00 acs.

Thence I run

S 89° 50' E on a random line
bet. Secs. 1 and 12

40.00 set temp. 1/4 Sec. Cor.

79.80 intersect. E. bdy. of Tn.

2500. N of Cor. of Secs.

1, 6, 7 and 12, which is a cedar
post 4 ft. long 5 ins. sq. 18 ins.

in the ground marked

T 28 N 56 on N E

R 3 E. S 7 on S E

R 2 E. S 1 on N W

and S 12 on S W faces, with

1 notch on N and 5 notches on

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BOOK 551

Subdivision of

Chains

Sedges, from which

a pinon tree 18 ins. diam. bears
 N 31° 30' E 80 lks dist marked
 T. 28, IV, R. 3, E. S. 6, B. T.

a cedar tree 10 ins. diam. bears
 N. 25° 18' W 102 lks dist. marked
 T. 28, IV, R. 2, E. S. 1, B. T.

with pits 18 x 18 x 12 ins. in each Sec.
 5½ ft. dist and mound of earth
 4 ft. base 2 ft. high W of Cor.

Thence I run

N 89° 40' W on a true line
 bet. Secs. 1 and 12

over mountainous land

3.00 enter heavy timber bears N & S

10.00 begin gradual ascent

18.00. top of ascent and descent

32.00 bottom of ravine course S W
and descent

T 28 N R 2 E.

Chains

- 36.00 leave heavy timber and enter dense undergrowth
- 39.90 set a limestone 14 x 12 x 4 ins. 8 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N face dug pits 15 x 15 x 12 ins. E and W of stone 3 $\frac{1}{2}$ ft. diam. raised a mound of earth 4 ft. base 1 $\frac{1}{2}$ ft. high N of Cor.
- 43.00 begin abrupt rocky ascent
- 44.00 enter heavy timber
- 50.00 top of ascent enter level land bears N W and S E.
- 55.00 begin descent
- 60.00 dry Wash 15 ft. deep 150 lks wide course S W
- 70.00 dry Wash 20 ft. deep 150 lks wide course S W
- 79.80 the Cor. of Secs. 1, 2, 11 and 12.

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Chains. Subdivision of

Land: nearly all mountainous

Soil: stony 4th rate

Mountainous or heavily timbered &
dense ^{undergrowth} land - - - 79.80 chs.

Thence I run

N 0° 1' W. bet. Secs. 1 and 2

through heavy timber

7.00 begin descent

10.00 enter level land bear N E & S W

15.00 abrupt descent 20 ft. deep

17.00 dry wash 10 ft. deep 2 chs. wide
course S 45° E.

20.00 begin ascent

28.00 top of ascent, enter level land

37.00 begin descent

40.00 set a limestone 16 x 12 x 5 ins.

10 ins. in the ground for $\frac{1}{4}$ Sec.

Cor. marked $\frac{1}{4}$ on W face,

T. 28. N. R. 2. E.

Mains

from which

a pinon tree 6 ins. diam. bears
 N 34° 30' E 43 lks dist. marked
 1/4 S. 1. B. T.

a pinon tree 7 ins. diam. bears
 S 32° 15' W 42 lks. dist. marked
 1/4 S. 2. B. T.

45.20

cross Wayne road course E & W

46.50

dry wash 2 hrs. wide course W

48.50

begin abrupt rocky ascent

50.00

top of ascent 30 ft. high

79.50

intersect 7th Standard~~70.00~~

Parallel North 3.76 hrs. W

of S. C. of Secs. 35 and 36.

set a limestone 18 x 10 x 7 ins.

10 ins in the ground for closing

corn. of Secs 1 and 2 marked

C. C. on S face, with 1 groove

on E and 5 grooves on W faces

Subdivision of T. 28, N. R. 2, E.

beams

from which

a pinon tree 14 ins. diam. bears
 $S 37^{\circ} 10' E$ 37 lks dist. marked
 T. 28, N. R. 2, E., S. 1, B. T.

a pinon tree 15 ins. diam. bears
 $S 89^{\circ} W$ 75 lks ^{dist.} marked
 T. 28, N. R. 2, E., S. 2, B. T.

Land: mountainous and level

Soil: rocky 4th rate

Timber: pinon + cedar

Mountainous or heavily timbered
 land - - - 79.50 lks.

October 9th 1900

October 20th. At 7^h. 40^m. a. m.

l. m. t. I set of $10^{\circ} 17'$

declination and $54^{\circ} 16'$

colatitude on the vertical circle
 and determine a true meridian

chains

with the Solar at the cor. of
Sers. 2. 3. 34 and 35 on S. ⁷⁴⁶⁻ Bdy.
Thence I run

N 0° 1' West bet. Sers. 34 & 35
over rolling land

12.00 enter scattered timber and
dense undergrowth

14.00 begin ascent

21.00 top of ascent

22.00 begin descent

34.00 dry wash course S 50° W

40.00 set a limestone 16 X 8 X 8 ins.

10 ins. in the ground for

$\frac{1}{4}$ Ser. cor. marked $\frac{1}{4}$

on W face, dry pits 18 X 18

X 12 ins. N and S of stone

3 $\frac{1}{2}$ ft. dist, raised a mound
of earth 4 ft. base 1 $\frac{1}{2}$ ft high

50.00

no. of Cor-
gradual ascent

Subdivision of

Hours

63.00

Top of ascent, enter level
mesa land

70.00

begin gradual descent

77.00

leave scattered timber and
enter open flat bears E and W

80.00

set a limestone $15 \times 10 \times 7$ ins.
10 ins. in the ground for cor.
At Secs. 26, 27, 34 + 35 marked
with 1 groove on S and 2 grooves
on E edges, dug pits $15 \times 15 \times 12$
ins. in each Section $5\frac{1}{2}$ ft dist.
and raise a mound of earth
5 ft. base 2 ft high W of cor.
Land: level and rolling
Soil: loam and rocky 2^{nd} &
 4^{th} rate

Dense undergrowth 65.00 hrs.

N. $89^{\circ} 59'$ E on a random line

T 28 N R 2 E

Chains

bet Secs. 26 and 35

40.00

set temp $\frac{1}{4}$ Sec. cor.

80.04

intersect N + S line 7 lks
S of cor. of Secs. 25, 26, 35
& 36,

Thence I run

S $89^{\circ} 56'$ W on a true line
bet Secs. 26 & 35Through dense pine and
cedar

5.00

begin ascent

9.00

top of ascent, enter level
land

35.00

leave timber and enter
dense undergrowth

38.00

abrupt rocky descent

40.02

set a limestone $16 \times 10 \times 10$
ins. 10 ins. in the ground
for $\frac{1}{4}$ Sec. cor, marked

Subdivision of

Chains

1/4 on N face, dug pits
18 x 18 x 12 ins. E and W of
stone 3 1/2 ft. dist raised
a mound of earth 4 ft. base
1 1/2 ft. high N. of cor.

44.00 gradual ascent

48.00 enter open land.

60.00 gradual descent

80.00
~~80.00~~

the cor. of Secs. 26, 27, 34 & 35

Land: rolling and level

Soil: loam and rocky & ²⁰¹ &
4th rate

Timber: pinon and cedar.

Dense undergrowth and heavily

timbered - - - 48.00 obs.

N 0° 1' W bet. Secs. 26 & 27
over rolling ground

23.00 enter dense undergrowth

T 28 IV R 2 E

- | | |
|--------|---|
| Chains | |
| 35.80 | abrupt rocky descent 30 ft. deep |
| 39.00 | bottom of steep descent |
| 40.00 | set limestone 15 x 8 x 5 ins. 10 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N face, dug pits 18 x 18 x 12 ins. N and S of stone 3 $\frac{1}{2}$ ft. dist and raised a mound of earth 3 $\frac{1}{2}$ ft. base 2 ft high W of Cor. |
| 41.00 | abrupt rocky descent 30 ft. deep bears S W |
| 42.00 | dry ravine course S W |
| 45.00 | rim of Canyon, rocky slope |
| 48.00 | descent into deep Canyon ^{course S.W.} |
| 50.00 | begin abrupt rocky descent |
| 52.00 | top of abrupt rocky ascent |
| 60.00 | enter open flat bears E-W |
| 80.00 | set a limestone 24 x 15 x 4 ins. |

Subdivision of

Chains.

12 ins. in the ground for cor. of
 Secs. 22, 23, 26 & 27 marked
 with 2 notches on S and E edges
 dug pits 18 x 18 x 12 ins. in each
 Section 5 1/2 ft. dist and raised
 a mound of earth 5 ft. base
 2 ft. high W of cor.

Land: rolling and level

Soil: loam and rocky 2nd and
 4th rate

Dense undergrowth - - - 37.00 chs.

N 89° 56' E on a random line
 bet Secs. 23 and 26

40.00 set temp. 1/4 Sec. cor.

79.96 intersect N & S line 20 chs south
 of cor. of Secs. 23, 24, 25 & 26

Thence I run

N 89° 56' W on a true line

T. 28. N. R. 2. E.

36

Meters

- bet. Secs. 23 and 26
Through heavy timber
- 6.00 Top of ascent, enter level land
- 13.00 leave heavy timber and enter dense
undergrowth
- 39.98
~~40.00~~ set limestone $18 \times 12 \times 6$ ins. 10 ins.
in the ground for $\frac{1}{4}$ Sec. cor.
marked $\frac{1}{4}$ on N face dry pits
 $18 \times 18 \times 12$ ins. E and W stone
3 ft. dist. and raised a mound
of earth $4\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft
high N of cor.
- 45.00 enter shattered timber with
dense undergrowth
- 59.50 begin abrupt rocky ascent
bears $N 30^\circ E$ and $S 30^\circ W$
- 63.00 Top of abrupt ascent
- 70.00 leave shattered timber and
dense undergrowth, enter level

Subdivision of

Chains.

open land

79.96

the cor. of Secs. 22, 23, 26 and 27

Land: level and broken

Soil: loam and rocky 2nd and
3rd rateDense undergrowth and heavily
timbered land - - - 7000 lbs.October 20th 1900October 21st. At 7^h. 56^m. a.m.
l.m.t. I set off 10°39'

declination and 54°14'

latitude on the vertical circle
and determine a true meridian
with the Solar at the cor. of
Secs. 22, 23, 26 and 27

Thence I run

N 0° 1' W bet. Secs. 22 and 23
over rolling land

T. 28. N. R. 2, E.

Thorns	
17.00	enter scattered timber and dense undergrowth bears E and W
34.00	leave timber and enter open land
40.00	set a limestone 15 x 8 x 5 ins, 10 ins. in the ground for $\frac{1}{4}$ Sec, cor. marked $\frac{1}{4}$ on West face, dug pits 18 x 18 x 12 ins. N and S. of stone 5 $\frac{1}{2}$ ft. dist and raised a mound of earth 4 ft. base and 1 $\frac{1}{2}$ ft. high W of Corn
46.00	ravine 50 lbs wide course $S 80^{\circ} E$
47.00	enter dense undergrowth
56.00	enter scattered timber and continue through dense undergrowth
80.00	set a limestone 16 x 13 x 12 ins, 12 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, dug pits 18 x 18 x 12 ins

Subdivision of

in each Section $5\frac{1}{2}$ ft. dist. and
raised a mound of earth 5 ft.
base, 2 ft. high W of Cor.

Land: rolling

Soil: loam and rocky. 2nd and 4th
rate.

Timber: piñon and cedar.

Dense undergrowth - - - \$50.00 val.

S $89^{\circ} 56'$ E on a random line
bet. Secs. 14 and 23.

40.00

~~48.00~~

set temp $\frac{1}{4}$ Sec. Cor.

79.92

intersect N and S line 5 lks
S of Cor. of Secs. 13, 14, 23 and
24.

Thence S run N. $89^{\circ} 54'$ W on
a true line bet. Secs. 14 and 23
over rolling land

4.00

dense undergrowth

T. 28, N. R. 2, E.

- 15.00 begin ascent bears N E and S W
- 20.00 Top of ascent bears N E and S W
- 28.00 enter heavy timber bears N E and S W
- 36.00 leave heavy timber and continue through dense undergrowth
- 39.96 set a limestone 20 x 10 x 6 ins. 10 ins. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N face dry pits 18 x 18 x 12 ins. E and W of stone 3 ft. dist, raised a mound of earth 4 ft. base $1\frac{1}{2}$ ft. high N of cor.
- 51.00 begin descent bears N E and S W
- 54.00 dry wash 10%, wide 20 ft. deep course S 50° W
- 56.00 begin abrupt ascent
- 65.00 gradually ascending
- 75.00 leave dense undergrowth and

Subdivision of

Chains

- enter open flat
- 79.92 the cor. of Secs. 14, 15, 22 and 23.
Land: rolling
Soil: loam and stony 2nd and 4th rate
Timber: pine and cedar
Dense undergrowth and heavily timbered land - - - 71.00 chs.
-
- N 0° 1' W bet Secs. 14 and 15 over rolling land.
- 3.50 enter timber and dense undergrowth
- 10.75 begin ascent, bears N E and S W
- 11.50. top of sharp ridge bears N E and S W and descend
- 25.00 dry wash course S, 40° W
- 30.00 top of ascent bears S W and descend
- 34.00 dry wash 20 ft. deep 100 lks wide

T. 28. N. R. 2. E.

Chains

- course $S 35^{\circ} W$ and ascend
abrupt rocky bluff 60 ft high
- 37.50 Top of sharp ridge 60 ft. high
bears NE and $S W$
- 38.00 begin sharp descent of rocky bluff
- 39.10 dry wash 20 lbs wide course $S W$
and ascend
- 40.00 set a limestone $20 \times 12 \times 5$ ins.
10 ins. in the ground for $\frac{1}{4}$
Sec. cor. marked $\frac{1}{4}$ on W face
dry pits $15 \times 18 \times 12$ ins. N and
 S . of stone $3\frac{1}{2}$ ft. ^{dist-} ~~high~~ and
raised a mound of earth 4 ft. ^{ms}
base, $1\frac{1}{2}$ ft. high W of cor
- 42.00 top of sharp ridge bears $N 35^{\circ} E$ ⁱⁿ
and $S 40^{\circ} W$
- 47.00 descend over rocky bluff 25 ft.
deep bears $N 40^{\circ} E$ and $S 45^{\circ} W$
- 50.00 begin gradual ascent

Subdivision of

Chains.

- 65.00 Top of ascent and descend
 68.00 dry wash course S W
 70.80 same dry wash course S E
 71.50 begin abrupt rocky ascent
 25 ft. high
 73.00 Top of bluff 35 ft. high bears
 N E and S W.
 80.00 set a limestone $36 \times 24 \times 7$ ins.
 15 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, dug pits $18 \times 18 \times 12$ ins.
 in each Sec. $5 \frac{1}{2}$ ft. dist. and
 raised a mound of earth 5 ft. base
 2 ft. high W of cor.
 Land: rolling and broken
 Soil: loam and rocky 2^{nd} and 4^{th} rate
 Timber: pine and cedar,
 Dense undergrowth and heavily

T. 28, N. R. 2, E.

Chains

timbered land - - - 76.30 chs.

S 89° 54' E on a random line
bet Secs. 11 and 14.

40.00

set temp. $\frac{1}{4}$ Sec. Cor.

79.94

intersect N and S line 20 chs
S of Cor. of Secs. 11, 12, 13 and 14

Traverse S run

S 89° 58' W on a true line bet
Secs. 11 and 14

Through heavy timber

26.00

begin gradual descent

39.97-
~~16.00~~

set a limestone 24 x 8 x 5 ins. 12 ins
in the ground for $\frac{1}{4}$ Sec. Cor.

marked $\frac{1}{4}$ on N face, from which
a pinon tree 10 ins. diam. bears

S 79° 10' E 70 chs dis. marked
 $\frac{1}{4}$ S 14 BT

a pinon tree 9 ins. diam. bears

Subdivision of

Chains.	
6	N 42° 30' W 20 lks dist. marked ¼ S. 11. B. T.
41.00	begin gradual descent
43.50	dry cut ash 20 ft. deep 100 yds wide course S 40° W
7	
54.00	top of ascent and descent gradually
70.00	dry wash 40 ft. deep 300 yds. wide course S 45° W
75.00	leave heavy timber and enter scattered timber and dense under- growth bears N and S.
79.94	the cor. of Secs. 10, 11, 14 and 15 Land: level and rolling Soil: loam and rocky 2 nd and 4 th rate
	Dense undergrowth or heavily timbered land - - - 79.94 chs.
	October 21 st 1900

T 28 IV R 2 E

Inns.

October 22nd, At 8 h. a. m. l. m. d.

I set off $11^{\circ}00'30''$ declination and $54^{\circ}12'30''$ colatitude on vertical circle and determine a true Meridian at the loc. of Secs. 10, 11, 14 and 15.

Thence I run

N $0^{\circ}1'$ W bet. Secs, 10 and 11
over rolling land through dense
undergrowth

5.00 enter scattered timber with dense
undergrowth

10.00 enter open flat

15.00 leave open flat and enter
scattered timber with dense
undergrowth bears E and W

40.00 set a limestone $18 \times 10 \times 7$ ins,
10 ins in the ground for $\frac{1}{4}$ Sec,
loc. marked $\frac{1}{4}$ on W face

Subdivision of

Chains

- dig pits 18 x 18 x 12 ins. N and S of stone 3 ft. dist. and raised a mound of earth 4 ft. base 1 1/2 ft. high W of Cor.
- 45.00 enter heavy timber bears E and W
- 47.80 Wagon road bears N 60° E and S 60° W.
- 64.35 blazed pinon tree 15 ins. diam on line
- 66.00 begin gradual descent
- 73.00 foot of descent and enter level land bears N E and S W
- 80.00 set a limestone 24 x 12 x 6 ins. 12 ins. in the ground for Cor. of Secs. 2, 3, 10 and 11 marked with 5 notches on S and 2 notches on E edges from which a pinon tree 12 ins. diam. bears

T. 28, N. R. 2, E.

Chains

N. $79^{\circ} E$ 138 lks dist. marked

T. 28, N. R. 2, E., S. 2, B. T.

a cedar tree 30 ins. diam. bears

S $74^{\circ} E$ 68 lks dist. marked

T. 28, N. R. 2, E., S. 11, B. T.

a pinon tree 6 ins. diam. bears

S $22^{\circ} 45' W$ 55 lks dist marked

T. 28, N. R. 2, E., S. 10, B. T.

Land: level and rolling

Soil: loam and stony

Timber: pinon and cedar

Dense undergrowth and

heavily timbered land 80.00 acres

N $89^{\circ} 58' E$ on a random line
bet. Secs. 2 and 11

40.00

set temp $\frac{1}{4}$ Sec. cor.

79.92

intersect N and S line 10 lks

S of cor. of Secs. 1, 2, 11 and 12

Chains

Subdivision of

Thence I run

S $89^{\circ}54'$ W on a true line
bet. Secs. 2 and 11

over rolling broken ground
through dense pinon and
cedars

- | | |
|-------|--|
| .50 | abrupt rocky descent course S |
| 3.00 | begin ascent 30 ft. high |
| 5.00 | top of ascent 30 ft. high and
begin gradual descent |
| 17.00 | top of gradual ascent and
descent |
| 18.00 | dry wash 20 lbs wide course
SW |
| 26.00 | begin abrupt rocky descent
30 ft. deep bears S 45° W |
| 28.00 | bottom of rocky descent
30 ft. deep |
| 30.00 | cross wagon road bears |

T. 28. N. R. 2. E.

Chains

- S 45° W and N 45° E
- 30.50 begin gradual ascent
- 39.96 set a limestone 24 x 15 x 3 ins.
12 ins. in the ground for
1/4 sec. cor. marked 1/4 on
N face, from which
a pinon tree 15 ins. diam. bears
S 66° E 381 lks dist. marked
1/4 S. H. B. T. no other trees
within limits. dug pits 18 x 18 x 12
ins. E and W of stone 3 ft. dist.
and raised a mound of earth
4 ft. base 1 1/2 ft. high N of
cor.
- 43.50 top of ridge bears N and S.
- 46.00 low depression or hollow
bears N and S.
- 47.00 begin ascent
- 50.00 top of ascent, bears N and S

51

BOOK 551

Subdivision of

Chains

51.00

begin gradual descent

59.50

dry wash 50th wide 10 ft. deep
course S 20° W

66.00

begin ascent

79.92

The cor. of Secs. 2, 3, 10 and 11
Land: rolling and broken
Soil: loam and rocky ^{2nd}
and 4th rate

Timber: pinon and cedar

Heavily timbered -- 79.92 ch.

N 0° 1' W bet. Secs. 2 and 3
over rolling land through
dense pinon and cedar

1.00

begin gradual ascent

6.00

top of gradual ascent

8.00

begin gradual descent

12.00

pass over level land

37.00

pass along East bank of

T 28 N R 2 E

Chains.

- dry Wash
- 40.00 set a lime stone 24 x 12 x 8 ins.
12 ins. in the ground for $\frac{1}{4}$ Sec.
Cor. marked $\frac{1}{4}$ on W face
dry pits 18 x 18 x 12 ins. N
and S. of stone 3 ft. dist.
and raised a mound of
earth 4 ft. base $1\frac{1}{2}$ ft. high
W of Cor.
- 41.00 leave East bank of Wash
and begin gradual ascent
- 76.00 begin gradual descent
- 80.00 intersect 7th Standard
Parallel North 328 lms W
of Standard Cor. of Secs.
34 and 35, set a limestone
17 x 12 x 7 ins. 12 ins. in
the ground for closing Cor.
of Secs. 2 and 3, marked

53

Subdivision of

chains.

C.C. on S face with 2
grooves on E and 4 grooves
on W face, from which
a pinon tree 12 ins. diam. bears
S 90° W 10 lks dist. marked
T. 28. N. R. 2. E. S. 3. B. T.

a pinon tree 10 ins. diam. bears
S 34° E 37 lks dist. marked
T. 28. N. R. 2. E. S. 2. B. T.

Land: rolling

Soil: loam and strong 2^{nd}
and 4^{th} rate

Heavily timbered land 80.0000

October 22nd 1900

T. 28. N. R. 2. E.

54.

Mans.

(See corrective notes of
J. B. Pope of Closings in
West Bdy of T. 28. N. R. 2. E.)
in correcting survey of T. 28. N. R. 2. E.