

2.

No. 509

4-671

BOOK 509

509

FIELD NOTES

GENERAL LAND OFFICE.

Subdivision

Township 25. N. R. 7. E.

Indexed Book 510

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BOOK 509

Township 25 N R. 7 E

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No. 509.

BOOK 509 63.

Subdivision T. 25 N. R. 7 E.

Chs.

91.00

Leave dense undergrowth
enter open park.

94.04

The cor to secs. 27, 28, 33
and 34.

Land, mountainous.

Soil, stony, 3 rd rate.

No timber, cedar and prairie
undergrowth.

Mountainous land, or land
covered with dense under-
growth 91.00 chs.

N. 50° 2' W. bet. secs. 27 and 28.

Var. 140° 32' East.

Over rolling land.

14.00

Enter dense undergrowth

36.00

Leave dense undergrowth
enter scattering undergrowth.

40.00

Set a cedar post 4 ft. long,

Subdivisions

Chs.

6 mi. square with marked
stone 12 mi. in the ground
for 1/4 sec. cor. markers
1/4 on N. face, dug pits
18 x 18 x 12 mi. N and S. of
post 5 1/2 ft dist. and
raised a mound of earth
2 ft. high, 3 ft base,
around post, from
which

a pinon 10 mi. diam. has
N. 53° 39' W. 176 lks. dist.
marked 1/4 S.B.T.

a pinon 8 mi. diam. has
N. 74° 38' W. 191 lks. dist.
marked 1/4 S.B.T.

70.00 accents 200 ft to

80.00 Set a pinon post 4 ft.
long .4 mi square, with

T 25 N. R. 7 E. (cont'd)

Shs.

marked stone 12 ins. in
the ground for cor to -
secs. 21, 22, 27 and 28. marked

T. 25 N. S. 22 on N.E.,

R. 7 E. S. 27 on S. E.

S. 28 on S.W. and

S. 21 on N.W. face, with
2 notches on S and 3 notches
on E. edges, dug pits 6 x
18 x 12 ins in each sec.

5 1/2 ft. dist. and raised a
mound of earth 3 ft high,
5 ft base around post,
from which

cedar, 10 ins. diam. has

N. 83° 18' W. 258 chs. dist.

marked T. 25 N. R. 7 E. S. 21 S.T.

a cedar 8 ins. diam. has S.

58° 43' W. 268 chs. dist. marked

Subdivisions

Chs.

T. 25 N. R. 7 E. S. 28 B.T.

No other trees within limits

Land, rolling.

Soil, gravelly, 3 rd rate.

No timber, cedar and prairie
undergrowth.Land, covered with dense
undergrowth 22 chs.

 N. $89^{\circ} 58' E.$ on a random line
bet. secs. 22 and 27.
Var $14^{\circ} 32' East.$

40.00 Set temporary 1/4 sec. cor.

79.97 Intersect N. and S. line 17
chs. S of cor. To secs. 22, 23
26 and 27.

Thence I run

S $89^{\circ} 51' W.$ on a true line
bet secs. 22 and 27.

T 25 N. R. 7 E. (contd)

Shs.

Var 140° 32' East.

over rolling land, through
scattering undergrowth
ascend gradually 200 ft.

39.99 Set a pinion post 4 ft.
long 4 ins square, with
marked stone 12 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. E. and
W. of post 5 $\frac{1}{2}$ ft. dist.
and raised a mound of
earth 2 ft. high, 5 ft. base,
around post. from which
a pinion 6 ins. diam. hrs.
S 36° 11' E. 12 lks. dist.
marked $\frac{1}{4}$ S.S.T.

a pinion 10 ins. diam. hrs.
S 38° 29' E. 37 lks. dist

Subdivisions

Obs. marked $\frac{1}{4}$ S.T.

79.97 The cor to sees 21, 22,
27 and 28.

Land, rolling.

Soil, gravelly 3rd rate
No timber, cedar and pines,
undergrowth.

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

Var $14^{\circ} 32'$ East.

Over mountainous land
through scattering under-
growth.

Ascent 600 ft

25.00 Enter dense undergrowth

40.00 Set a malpais stone, $12 \times$
 9×8 ins. 8 ins in the
ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N face, and

T-25 N.R. 7 E. (contd)

Ghs. raised a mound of stone
2 ft high, 3 ft base, along-
side, from which
a pinon 8 mis. diam. has
N. $87^{\circ} 00'$ W. 23 lks. dist.
marked 14 S.O.T.

a pinon 10 mis. diam. has
S. $9^{\circ} 01'$ E. 17 lks. dist. marked
14 S.O.T.

53.00 Top of ascent on W. end of
mountain has E. and N.W.
with large crater in
center.

Descent 350 ft. into crater.

80.00 a point 100 ft. below E.W.
edge of crater.

a volcanic rock in place
3 x 2 x 2 ft. above ground I
marked with a cross (+)

Subdivisions

Chs.

at exact cor. point for
 cor to sec. 15, 16, 21 and
 22, with 3 notches on S.
 and E. of cross, and
 raised a mound of stone
 2 ft. high, 3 ft. base, along
 side, from which
 a cedar 8 ins diam. tree
 S. $81^{\circ} 03'$ E. 21 chs. dist.
 marked T. 25 N. R. 7 E. S. 22 B.T.
 a pinon 8 ins diam. tree
 N. $79^{\circ} 21'$ W. 36 chs. dist.
 marked T. 25 N. R. 7 E. S. 16 B.T.
 a pinon 6 ins diam. tree
 S. $43^{\circ} 16'$ W. 43 chs. dist.
 marked T. 25 N. R. 7 E. S. 21 B.T.
 a pinon 12 ins diam. tree
 N. $61^{\circ} 10'$ W. 71 chs. dist.
 marked T. 25 N. R. 7 E. S. 16 B.T.

T. 25 N. R. 7 E. (contd)

Chs.

Land, mountainous.

Soil, stony, 3rd rate.

No timber, cedar and pines -
undergrowth.

mountainous land, or land
covered with dense under-
growth. 55 chs.

N. $89^{\circ} 51'$ E. on a random line
bet. secs. 15 and 22.

Var. $14^{\circ} 32'$ East.

40.00 Bet temporary $\frac{1}{4}$ sec. cor.

80.23 I intersect N and S line 4
chs. S. of cor to secs. 14, 15,
22 and 23,

Thence I run

S. $89^{\circ} 49'$ W. on a true line
bet. secs. 15 and 22.

Var. $14^{\circ} 32'$ East.

Subdivisions

- Obs. over mountainous land,
through dense undergrowth.
Ascent 400 ft. to
- 31.00 Top of ascent on E. edge of
crater, bet. N. and S.
Descent 500 ft into crater
Leave dense undergrowth.
- 40.11 Set a volcanic 20 x 18 x 12
mi 15 mi in the ground
for 14 sec. cor. marked 14
on N face, and raised
a mound of stone 2 ft.
high, 3 ft. base, alongside.
Pite impracticable.
- 51.00 Foot of descent, thence
along bet of crater to
- 57.00 Ascent 400 ft, out of
crater
- 80.23 The cor. to secs 15, 16, 21 and

T 25 N. R. 7 E. (contd)

Bhs 22.

Land, rolling.

Soil, stony, 3rd rate.

No timber, cedar and pine
undergrowth.

mountainous land, or
land covered with dense
undergrowth 31.00 ha

No 2' W. bet sec. 15 and 16.

Var. 140 32' East.

over mountainous land.

ascend along N. edge of
crater 100 ft.

32.00 Top of ascent on N.W. rim
of crater.

Descent 200 ft.

40.00 Put arial pair stone 12 x
10 x 10 ins 8 ins. in the

Subdivisions

- Chs. ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face,
and raised a mound of
stone 2 ft high $3\frac{1}{4}$ base, along
side. Pits impracticable.
- 57.00 Foot of descent, thence
over rolling land.
- 50.00 Get a malpais stone $14 \times$
 10×8 ins. 10 ins. in the
ground for cor to sec.
9, 10, 15 and 16, marked
with 4 notches on S
and 3 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 3 ft.
high, 6 ft base, along
side,

T 25 N. R. 7 E. (contd)

Chs. Land, mountainous and rolling.

Soil, gravelly and stony. 3 strata
No timber

mountainous land, 51 chs

N. $89^{\circ}49'$ E. on a random line
bet secs. 10 and 15.

Var. $14^{\circ}32'$ East.

40.00 Set temporary 74 sec. cor.

79.87 Intersect N. and S. line 8 chs.

N. of cor to secs. 10, 11, 14 and
15.

Thence I run

S. $89^{\circ}52'$ W. on a true line
bet secs. 10 and 15.

Var. $14^{\circ}32'$ East.

over rolling land, through
scattering undergrowth.

Subdivisions

Ghs.
39.93

Get a malpais stone $16 \times 9 \times 8$ ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marker $\frac{1}{4}$ on N face, and raise a mound of stone 2 ft high, 3 ft. base, alongside.

Pite impracticable.

79.67 The cor to secs. 9, 10, 15 and 16.

Land, rolling.

Soil, gravelly, 3rd rate.

No timber, cedar and piñon undergrowth

N. $0^{\circ}2'$ W. bet secs. 9 and 10.

Var. $14^{\circ}32'$ East.

over rolling land, through scattering undergrowth.

40.00 Get a malpais stone

T25 N. R 7 E (contd)

- 3 hrs. 14 x 12 x 12 mic. 10 mic. in the ground for 1/4 sec. corner marked 1/4 on W. face, and raised a mound of stone 2 ft high, 3 ft. base alongside, from which a cedar 16 mic. diam. - bro. S 58° 30' W. 99 lks. dist. marker 1/4 E.B.T.
- a cedar 12 mic. diam. - bro. N. 65° 28' W. 99 lks. dist. marker 1/4 E.B.T.
- 55.00 Ascent S. E. slope of mountain 400 ft to
- 80.00 Set a small alpine stone 20 x 16 x 19 mic. 15 mic. in the ground for cor. to sec. 3, 4, 9 and 10, marked with 5 notches on S. and 3 notches

Subdivisions

Chs. on E. edges, and raised
a mound of stone 2 ft.
high, 3 ft base, alongside
Pete unpracticable
Land, rolling and moun-
tainous.

Soil, stony, and gravelly
3d rate.

No timber, cedar and juniper
undergrowth.

mountainous land 25 chs.

N. $89^{\circ}52'$ E. on a random line
bet secs. 3 and 10

Var. $14^{\circ}32'$ East.

40.00 Set temporary 1/4 sec. cor.

80.04 Intersect N and S line 14
chs. N of cor to secs. 2, 3, 10
and 11.

T25 N. R. 7 East (contd)

- Chd. Thence I run
 S 89° 58' W. on a true line
 bet secs. 3 and 10.
 Var. 14° 32' East.
 over rolling land, through
 scattering undergrowth.
- 40.02 Set a malpais stone 16 x 10
 x 9 ins. 11 ins in the ground
 for 1/4 sec. cor. marked 1/4
 on W. face, and raised a
 mound of stone 2 ft. high,
 3 ft. base, alongside.
 Pits impracticable.
- 63.00 Ascend 400 ft to
- 80.04 The cor to secs. 3, 4, 9 and 10.
 Land, rolling and moun-
 tainous
 Soil, stony, and gravelly,
 3rd rate.

Subdivision

Chs. No timber, cedar and
 pines undergrowth.
 mountainous land 17 chs.

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

Var. 14032' East.

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

80.28 Intersect N. boundary of
 Tp. 23 lbs. W. of cor to sec
 3, 4, 33 and 34.

Thence I run

S. $0^{\circ} 8' E.$ on a true line
 bet secs. 3 and 4.

Var. 14032' East.

Over mountainous land
 through scattering under-
 growth.

Ascent 200 ft

T25 N.R. 7 E. (contd)

- | | |
|--------------|--|
| Chs.
9.00 | Top of mountain bro. N.
and S. 110 E.
Descent 400 ft. into a
large basin |
| 31.00 | Foot of descent on E. edge
of basin
Descent 500 ft. out of basin |
| 40.28 | Set a volcanic rock 12 x 12
x 8 in. 8 in. in the ground
for 1/4 sec. cor. mark 1/4
on N. face, and raise a
mound of stone 2 ft. high,
3 ft. base, alongside. Pits
impracticable. |
| 59.00 | Enter dense undergrowth |
| 72.00 | Top of mountain bro N.E.
and N. Leave dense
undergrowth.
Descent 200 ft. to |

Subdivisions

Chs.

80.28

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

Land, mountainous.

Soil stony, 3 rd rate.

No timber, cedar and pines
undergrowthMountainous land, or land
covered with dense under-
growth. 80.28 chs.

Aug 1st. 1894.

From the cor to secs 28,
29, 32 and 33, on the
auxiliary Base

I run

S 0° 3' E. on a random line
bet secs. 32 and 33.

Var. 14° 32' East.

40.00 Set temporary 1/4 sec. cor

94.09 Intersect S boundary of

T 25 N. R. 7 E. (contd)

Obs.

7 p. 2.21 chs. S89°24'E of standard
cor to sec. 32 and 33.

Thence I run
N. 1°32'E on a true line,
bet. sec. 32 and 33.

Var. 140 32' East.

Over mountainous land,
through dense undergrowth
Ascent 200 ft

18.00 Top of ascent, mountain
hrs. N.E. and S.W.

Descent 400 ft.

54.09 Get a malpais stone 14x
10x9 ins. 11 ins in the
ground for 1/4 sec. cor.
marked 1/4 on W. face,
and raised a mound
of stone 1 1/2 ft high, 3
ft base, alongside, from

Subdivisions

Obs.

which

a cedar 10 mis diam. hrs.
 N. $81^{\circ} 03'$ W. 106 lbs dist
 marked 14 S.B.T.

a piñon 10 mis diam. hrs. S.
 $26^{\circ} 47'$ E. 21 lbs. dist marked
 14 S.B.T.

94.09.

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

Land, mountainous.

Soil, stony, 3rd rate.

No timber, cedar and piñon
 undergrowth.

mountainous land, or land
 covered with dense under-
 growth. 94.09 che.

N. $003'$ W. bet secs. 28 and 29
 var. $140 32'$ East.

T. 25 N. R. 7 E. (contd)

Obs. over calling broken land,

40.00

Get a volcanic stone, 4 x
10 x 10 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 high, 3 ft base, along-
side, from which
a pinon 10 ins. diam. bro.
S 66° 31' E. 85 lks. dist.
marked $\frac{1}{4}$ S. D. T.

a pinon 8 ins. diam. bro.
N. 23° 07' W. 70 lks. dist.
marked $\frac{1}{4}$ S. D. T.

80.00

Get a malpais stone 20
x 14 x 10 ins. 15 ins. in the
ground for cor. to sec.
20, 21, 28, and 29 marked

Subdivisions

chs.

with 2 notches on S and 4
notches on E. edges, and
raised a mound of stone
1 1/2 ft high, 3 ft base
alongside, from which

a pinon 12 mis. diam. has
N. $82^{\circ} 04'$ E. 68 lks. dit.

marked T. 25 N. R. 7 E. S. 21 B.T.

a pinon 6 mis. diam. has

N. $76^{\circ} 43'$ W. 113 lks. dit.

marked T. 25 N. R. 7 E. S. 20 B.T.

a pinon 12 mis. diam. has

S. $42^{\circ} 03'$ W. 124 lks. dit.

marked T. 25 N. R. 7 E. S. 29 B.T.

a cedar 8 mis. diam. has S.

87° W. 108 lks. dit. marked

T. 25 N. R. 7 E. S. 29 B.T.

Land, rolling and broken
Soil, stony, 3rd rate.

T25 N. R. 7 E. (contd)

Chs. No timber, ^{scattered} cedar and pinon
undergrowth.

N. 89° 58' E. on a random line
bet. secs 21 and 28.

Var. 140° 32' East.

40.00 Get temporary 1/4 sec. cor.

79.79 Intersect N. and S. line 7
chs. S. of cor to secs. 21, 22,
27 and 28.

Thence I run

S. 89° 55' W. on a true line
bet. secs 21 and 28.

Var. 140° 32' East.

over rolling land, through
scattered undergrowth.

36.00 Enter dense undergrowth

Subdivisions

6hs.
39.89

Set a pinon post 4 ft. long
4 ins. square, with marker
stone 12 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S. on N. face, dug
pits 16 x 16 x 2 ins. E and
N of post 5 $\frac{1}{2}$ ft. dist. and
raised a mound of earth
1 $\frac{1}{2}$ ft. high, 3 ft. base, around
post, from which
a cedar 8 ins. diam. has
S. 74° 03' E. 92 lbs. dist.
marked $\frac{1}{4}$ S.B.T.

a cedar 8 ins. diam. has
S. 51° 06' E. 71 lbs. dist.
marked $\frac{1}{4}$ S.B.T.

79.79

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

Land, rolling and broken

T 25 N. R. 7 E. (contd)

Obs. Soil, gravelly, 3rd rate.
 N. timber, cedar and pine
 undergrowth.

N. 0° 3' W. bet sees 20 and 21.

Var. 14° 32' East.

over rolling land, through
 dense undergrowth

7.00 Leave dense undergrowth
 enter scattering undergrowth

40.00 Get a volcanic rock 12 x 12 x
 10 ins. 8 ins. in the ground
 for 1/4 sec. cor. marks 1/4 on
 W. face, and raised a
 mound of stone 1 1/2 ft high,
 3 ft base, along side.
 Pts impracticable.

42.00 Ascent 500 ft, a volcanic

Subdivisions

- Chs. mountain
- 77.00 Top of ascent on S.W. edge of crater; descent 30 ft. into crater.
- 80.00 Get a volcanic stone $16 \times 16 \times 14$ in 11 in in the ground for cor. to sees 16, 17, 20 and 21, marked with 3 notches on S. and 4 notches on E. edges, and raised a mound of stone $1\frac{1}{2}$ ft. high, 3 ft. base, alongside. Pits impracticable.
- Land, rolling and mountainous.
- Soil, stony, 3rd rate.
- No timber, cedar and pinon undergrowth
- mountainous land, or land

T 25 N. R. 7 E. (contd)

Chs. covered with dense undergrowth. 7.00 chs.

N. $89^{\circ}55'$ E. on a random line
bet secs. 16 and 21.

Var. $14^{\circ}32'$ East

4000 Set temporary 74 sec. cor.

8022 Intersect N. and S. line
23 chs. N. of cor to secs.

15, 16, 21 and 22.

Thence I run

N. $89^{\circ}55'$ W. on a true line
bet. secs. 16 and 21.

Var. $14^{\circ}32'$ East.

over mountainous land,
through scattering under
growth.

ascend 100 ft. out of
crater.

Subdivisions

- Chs.
11.00 Top of ascent on W. edge
of crater. Descent 300 ft.
- 31.00 Foot of descent in saddle
between mountains, hrs
N. and S. Ascent 400 ft.
- 40.11 Get a volcanic stone 12 x
12 x 10 ins. 8 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marks $\frac{1}{4}$ on N. face and
raised a mound of stone
 $1\frac{1}{2}$ ft high, 3 ft. base,
alongside. Pite in-
practicable.
- 69.00 Top of ascent on E. edge
of crater on mountain top
Descent 80 ft. along S. edge
of water.
- 80.22 The car. to secs. 16, 17, 20 and
21.

T 25 N. R. 7 E. (contd)

Chy

Land, mountainous.

Gail, stony, 3rd rate.

No timber, cedar and
pinon undergrowth.

Mountainous land, 80.22 chs.

N. 0° 3' W. bet secs. 16 and 17.

Var 14° 32' East.

Over mountainous land,
through scattering under-
growth.

Descent 50 ft. into crater.

8.00 Foot of descent in bet
of crater, ascent 60 ft to

16.00 Top of ascent on N. edge
of crater.

Descent 600 ft. along
N.W. slope of mountain

40.00 Get a volcanic stone

Subdivisions

- 6hs. 18x14x14 ins. 12 ins. in the ground for 1/4 sec. cor. marked 14 on W. face, and raised a mound of stone 2 ft high, 3 ft. base, alongside. Pits impracticable.
- 41.00 Foot of descent, thence over rolling land.
- 80.00 Set a malpai stone 14x12x 11 ins. 10 ins. in the ground for cor to secs. 8, 9, 16 and 17, marked with 4 notches on S. and 4 notches on E. edges, and raised a mound of stone 1 1/2 ft. high, 3 ft. base, alongside. Pits impracticable. Land, mountainous and rolling.

T 25 N. R. 7 E. (contd)

Chs. Soil, stony, 3rd rate.

No timber, cedar and pinon
undergrowth.

mountainous land 41 chs.

S. 59° 55' E. on a random line
bet. secs. 9 and 16.

Var. 140° 32' East.

40.00 Set temporary 1/4 sec. cor.

80.08 Intersect N and S line 11
chs. S. of cor. to secs. 9, 10,
15 and 16.

Thence I run

West on a true line bet.
secs. 9 and 16.

Var. 140° 32' East.

over rolling land, through
scattering undergrowth

40.04 Set a malpais stone 19<

Subdivisions

Chs. 16 x 9 ins. 15 ins. in the ground for 14 sec. cor. marked 14 on N. face, and raised a mound of stone 1 1/2 ft high, 3 ft base, alongside. Pits impracticable.

80-08 The cor to secs. 4, 5, 8 and 9. Land, rolling. Soil, stony, 3 rd rate. No timber, cedar and juniper undergrowth.

At this cor. I verify the adjustments of my transit and find them correct. I set off $17^{\circ} 39'$ on the decl. arc, and at 12^h 06^m p.m. l.m.t.

T. 25 N. R. 7 E. (contd)

Obs. observe the Sun on the meridian, the resulting latitude is $35^{\circ} 32' N.$ the true latitude nearly. Thence I run

N. $0^{\circ} 3'$ W. bet. secs 8 and 9.

Var. $14^{\circ} 32'$ East.

over rolling land.

40.00 Get a malpais stone $16 \times 14 \times 12$ ins. 11 ins. in the ground for $\frac{1}{4}$ sec. cor. marked 14 on W. face, and raise a mound of stone $1\frac{1}{2}$ ft. high, 3 ft. base, alongside. Pits impracticable.

80.00 Get a malpais stone $14 \times 14 \times 10$ ins. 10 ins. in the ground for cor to secs. 4, 5, 8 and 9, marked with 5

Subdivisions

Chs. notches on S. and 4 notches
on E. edges, and raised a
mound of stone 2 ft. high,
3 ft. base, along side. Pits
impracticable.

Land, rolling.

Soil, stony, 3rd rate.

No timber.

East on a random line
bet. secs. 4 and 9.

Var. $40^{\circ} 32'$ East.

40.00 Set temporary 1/4 sec. cor.

80.12 Intersect N. and S. line
20 chs S of cor. to secs. 3,
4, 9 and 10.

Thence down

S. $89^{\circ} 51'$ N. on a true line
bet. secs. 4 and 9.

T25 N. R. 7 E (contd)

Chs.

Var. $140^{\circ} 32'$ East.

Over mountainous land,
through scattering undergrowth
Descent 300 ft. to along S. W.
slope of mountain.

13.00

Foot of descent, thence over
rolling broken land.

40.06

Set a malpais stone 14×14
 $\times 14$ ins. in the
ground for 94 sec. cor.

marked $\frac{1}{4}$ on N. face, and
raised a mound of stone
2 ft high, 3 ft base along
side. Pits impracticable

80.12

The cor to secs. 4, 5, 8 and 9.
Land, mountainous and
rolling.

Soil, stony, 3rd rate.

No timber, cedar and pines

Subdivisions

Chs. undergrowth
mountainous land 13 chs

N. $0^{\circ} 3' 11''$ on a random line
bet. secs 4 and 5.

Var. $14^{\circ} 32'$ East

40.00 Set temporary $1/4$ sec. cor.

80.02 Intersect N. boundary of
Tp. 11 chs E. of cor to
secs. 4, 5, 32 and 33.

Thence I run

S. $0^{\circ} 8' E.$ on a true line
bet. secs. 4 and 5.

Var. $14^{\circ} 32'$ East.

over rolling broken
land.

40.02 Set a malpais stone $15 \times$
 14×13 ins 10 ins in the
ground for $1/4$ sec. cor.

T. 25 N. R. 7 E. contd

Obs. marked $\frac{1}{4}$ on W. face, and raised a monument of stone $1\frac{1}{2}$ ft. high, 3 ft. base, alongside. Pits impracticable.

80.02 The cor. to secs. 45, 8 and 9. Land, rolling and broken. Soil, stony, 3rd rate. No timber.

August 2, 1894.

At the cor. to secs. 29, 30, 31 and 32, on the auxiliary base, I verify the adjustments of my instrument and find them correct. I set off $35^{\circ} 29'$ on the lat. arc, $17^{\circ} 23'$ on decl. arc.

Subdivisions

Chs. and determine a true meridian with the solar, the resulting mean variation of the needle being $140^{\circ} 32'$ East.

Thence I run

S. $0^{\circ} 3'$ E. on a random line bet. secs. 31 and 32.

Var. $140^{\circ} 32'$ East.

40.00 Set temporary 1/4 sec. cor.

93.11 Intersect S. boundary of Township 3.41 chs $S88^{\circ} 09' E.$ of Standard cor. to secs. 31 and 32.

This closing being in excess of the 3 chain limit, in accordance with my special instructions I set a volcanic

T 25 N. R. 7 E. (contd)

Obs.

stone $14 \times 14 \times 12$ ins. 10 ins
in the ground, for closing
cor. to sec. 31 and 32,

marked C.C. on N. face, with
5 notches on E. and 1 notch
on W. face, and raised
a mound of stone $1\frac{1}{2}$ ft.
high, 3 ft. base, alongside,
from which

a pinion 10 ins. diam. has.
N. $00^{\circ} 7'$ E. 16 lbs. dist.

marked T. 25 N. R. 7 E. S. 32 B.T.

a pinion 4 ins. diam. has.
N. $16^{\circ} 42'$ E. 19 lbs. dist. marked

T. 25 N. R. 7 E. S. 32 B.T.

a pinion 7 ins. diam. has.

N. $32^{\circ} 47'$ E. 41 lbs. dist.

marked T. 25 N. R. 7 E. S. 32 B.T.

Thence Drive

Subdivisions

Ghs. N. 0° 3' W. on a true line
bet. sec. 31 and 32.

Var. 140 32' East.

over mountainous land,
covered with dense
undergrowth.

ascend 250 ft to

11.00 Top of ascent at apex
of runs under mountain

Descend 500 ft. to

40.00 Foot of descent at N base
of mountain.

53.11 Set a pinion post 4 ft
long, 4 mi. square,
with marked stone 12
mi. in the ground for
1/4 sec. cor, marked 1/4 B
on W. face, and raised
a mound of stone 2

T. 25 NR 7 E (contd)

Chs. ft high 3 ft base, around post, from which a cedar 6 ins diam. has $S 83^{\circ} 09' E$. 13 lbs. dist. market $\frac{1}{4}$ S.B.T.

a cedar 10 ins diam. has $S 71^{\circ} 06' W$. 15 lbs. dist. market $\frac{1}{4}$ S.B.T.

90.00 Dense dense undergrowth enter open park

93.11 The car. to see 29, 30, 31 and 32.

Land, mountainous and rolling.

Gail, atony, 3 rd rate.

mountainous land, or land covered with dense undergrowth. 90 chs

Subdivisions

- Chs. N. $0^{\circ} 3'$ W. bet. sec. 29 and 30.
 Var. $14^{\circ} 32'$ East.
 over broken rolling land
 through dense undergrowth.
- 40.00 Set a volcanic stone
 $14 \times 14 \times 10$ 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 high. 3 ft. base
 alongside, from which
 a pinion 10 ins. diam.
 hrs S. $86^{\circ} 31'$ E. 63 lbs.
 dist. marked $\frac{1}{4}$ S.B.T.
 a pinion 8 ins. diam.
 hrs N. $23^{\circ} 07'$ W. 19 lbs.
 dist. marked $\frac{1}{4}$ S.B.T.
- 78.00 Leave dense undergrowth
 enter open prairie.

T 25 N. R. 7 East (contd)

Chd.
 \$0.00 Set a malpiani stone 12 x
 10 x 10 ins. 8 ins in the
 ground for cor. to sec.
 19, 20, 29 and 30, marked
 with 2 notches on S.
 and 5 notches on E. edges,
 and raised a mound of
 stone 2 ft high, 3 ft base
 alongside, from which
 a cedar 6 ins. diam. has
 67° 23' E. 263 lbs. dist.
 marked T. 25 N. R. 7 E. S. 20 B.T.
 a pinon 8 ins. diam. has
 S. 42° 46' E. 225 lbs. dist.
 marked T. 25 N. R. 7 E. S. 29 B.T.
 a pinon 8 ins. diam. has
 S. 20° 41' W. 244 lbs. dist.
 marked T. 25 N. R. 7 E. S. 30 B.T.
 a pinon 6 ins. diam. has

Subdivisions

S. $25^{\circ} 44'$ W., 189 lbs dist.
marker T. 25 N. R. 7 E. S. 300 ft.

Land, rolling and broken.

Soil, stony, 3 rd rate.

No timber, cedar and pine
undergrowth.

Land, covered with dense
undergrowth 78 lbs

N. $59^{\circ} 58'$ E. on a random line
bet secs. 20 and 29.

Var. $4^{\circ} 32'$ East.

40.00 Get temporary 1/4 sec. cor.

80.20 I intersect N. and S. line 6

lbs N. of cor to sec 20,

21, 28 and 29.

Thence I run

N. $59^{\circ} 59'$ W. on a true line
bet secs. 20 and 29.

T 25 N. R. 7 E (contd)

Var. 14032' East

over rolling broken land,
through dense undergrowth.

40.10

Get a volcanic stone 12 x
12 x 8 ins. 8 ins. in the
ground for 1/4 sec. cor.

marked 1/4 on N. face,
and raised a mound of
stone 1 1/2 ft high, 3 ft base,
along side, from which
a pinion 6 ins. diam. has.
N. 53° 48' W. 54 lbs. dist
marked 1/4 S.P.T.

a pinion 8 ins. diam. has.
S. 46° 30' W. 91 lbs. dist
marked 1/4 S.P.T.

75.00

Leave dense undergrowth.
enter open prairie

80.20

The cor. to sec. 19, 20, 29 and

Subdivisions

Chs.

30

Land rolling and broken.

Soil, stony, 3rd rate.

No timber, cedar and
pines undergrowth.Land covered with light
undergrowth 75 chs.

S. 89° 58' W. on a random line
bet secs. 19 and 30.

Var. 14032' East

40.00 Bet temporary 1/4 sec. cor

43.98 9th street W. boundary
of 2p. 21 chs. S. of cor to
secs. 19, 24, 25 and 30.

Thence I run

S. 89° 53' E. on a true line
bet secs. 19 and 30.

Var. 14032' East

T25 N. R. 7 E. (contd)

Obs. over broken rolling land,
 through scattering undergrowth

43.98 Set a malpais stone $14 \times 14 \times 8$
 ins. 10 ins. in the ground
 for 14 sec. cor. marked $\frac{1}{4}$
 on N. face, and raised a
 mound of stone $1\frac{1}{2}$ ft high,
 3 ft base, alongside. Pits
 impracticable.

83.98 The cor to sec. 19, 20, 29 and
 30.

Land, broken and rolling.
 Soil, stony, 3rd rate.

No timber, cedar and pine
 undergrowth.

N. 0° 3' W. bet. sec. 19 and 20.

Var. 14° 32' East.

over rolling land

Subdivisions

- Chs. Descend gradually 100 ft.
40.00 Get a malpais stone
14 x 10 x 10 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 $1\frac{1}{2}$ ft high, 3
ft base, along side
from which
a cedar 10 ins. diam. has
S 26° 31' E. 20 lbs. dist.
marked $\frac{1}{4}$ E.S.T.
- a cedar 18 ins. diam.
has S 41° 00' W. 25 lbs. dist.
marked $\frac{1}{4}$ E.S.T.
- 80.00 Get a malpais stone 20 x
14 x 9 ins. 15 ins. in the
ground for cor to sec.
17, 18, 19 and 20, marked

T25 N. R 7 E. (contd)

Chs. with 3 notches on S and 5 notches on E edges, and raised a mound of stone 2 ft high, 3 ft base, alongside. Sets impracticable. Land, rolling.

Soil, stony, 3rd rate.

No timber. Scattering pine and cedar brush.

S $89^{\circ} 59'$ E. on a random line bet secs 17 and 20.

Var. $14^{\circ} 32'$ East.

40.00 Set temporary 1/4 sec. cor.

80.04 Intersect N. and S line 11 chs S of cor to secs. 16, 17, 20, and 21.

Thence I run

S $89^{\circ} 56'$ W. on a true line bet secs. 17 and 20.

Subdivisions

Ghs.

Var. 14032' East.

- Over mountainous land,
ascend 20 ft. to
- 3.00 S. W. edge of crater and
descend 400 ft. to
- 26.00 Foot of descent, at S. W.
base of mountain.
Thence over rolling land.
- 40.02 Get a malpais stone 27 x
21 x 11 ins., 21 ins. in the
ground for 1/4 sec. cor.
marked 1/4 on N. face,
and raised a mound
of stone covered with
earth 2 1/2 ft high, 4
ft base, along side,
from which
a cedar 12 ins diam. br.
N. 81° 27' E. 107 lbs. dist.

T25 N.R. 7 E. (contd)

- Chs. marked $\frac{1}{4}$ S.P.T.
 no other trees within limits.
- 80.04 The cor to sec. 17, 18, 19 and
 20.
 Land, mountainous and
 rolling.
 Soil, stony, 3.5 rate.
 No timber.
 mountainous land 20 chs

N. 89° 53' W. on a random line
 bet secs. 18 and 19.

Var. 140 32' East.

- 40.00 Set Temporary $\frac{1}{4}$ sec. cor
- 83.72 Intersect W. boundary
 of Tp. 17 S. of cor to
 secs. 13, 18, 19, and 24.
 Thence I run
 East on a true line

Subdivisions

- | | |
|--------|---|
| Chs. | bet secs. 18 and 19. |
| | Var. 14032' East |
| | over broken land, ascent
50 ft. |
| .50 | Top of ascent on N.E. edge
of canon |
| | Thence over rolling land. |
| 43.72 | Set a malpais stone |
| | 16 x 12 x 10 ins. 11 ins. in
the ground for $\frac{1}{4}$ sec. |
| | car. marked $\frac{1}{4}$ on N. face |
| | and raised a mound of
stone 2 ft high, 3 ft base |
| | alongside. Pits imprac-
ticable. |
| .83.72 | The car to secs 17, 18, 19 |
| | and 20. |
| | Land rolling |
| | Soil, stony, 3 rd rate. |

T 25 N. R. 7 E. (contd)

6hs.

No. timber; scattering cedar and pine
bush. August 3, 1894

N. 0' 3" W. bet. sec. 17 and 18.

Var. 140 32' East.

over rolling land, along E.
base of mountain which
contains an extinct
crater at top.

40.00

Get a volcanic stone 14
x 12 x 10 ins. 10 ins. in the
ground for 1/4 sec. cor.
marked 14 on W. face, but
rarely a mound of stone
1 1/2 ft high, 3 ft base,
alongside. Pits imprac-
ticable.

80.00

Get a volcanic stone
20 x 20 x 16 ins. 15 ins in

Subdivisions

Chs. the ground for cor. to sec.
 7, 8, 17 and 18, marked with
 4 watches on S and 5 watches
 on E edges, and raised a
 mound of stone 2 ft high
 3 ft base, alongside.
 Site impracticable.
 Land rolling.
 Soil, stony, 3 rd rate.
 No timber.

N. $87^{\circ}56'E$. on a random line
 bet. sec. 8 and 17.

Var. $14^{\circ}32'$ East.

40.00 Set temporary 1/4 sec. cor.
 79.90 Intersect N. and S. line
 13 lbs. N. of cor. to sec.
 8, 9, 16 and 17.
 Thence I run

T25 N. R. 7 E. (contd)

- Chs. N. $89^{\circ} 58'$ W. on a true line
bet. sec. 8 and 17.
- Van. $14^{\circ} 32'$ East.
over rolling broken land.
- 14.00 Descend 200 ft. to
- 30.00 Foot of descent, bed of ravine
course N. W.
- Ascend 200 ft. to
- 39.95 Top of ascent, thence over
rolling land.
- Get a malpais stone $18 \times$
 12×6 ins. 12 ins. in the
ground for 74 sec. cor.
marked 74 on N. face, and
raised a mound of stone
2 ft high, 3 ft base,
alongside. Pits imprac-
ticable.
- 79.90 The cor. to sec. 7, 8, 17 and 16.

Subdivisions

chs. Land, rolling and mountainous.
Soil, stony, 3rd rate
No Timber.
mountainous land. 25.95chs

West on a random line
bet. secs. 7 and 18.

Var. $140^{\circ}32'$ East

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

83.61 Intersect W. boundary of
Tpk. 23 chs S of cor to sec.
7, 12, 13 and 18.

Thence I run

S. $89^{\circ}50'$ E. on a true line
bet secs. 7 and 18.

Var. $140^{\circ}31'$ East.

over rolling land.

43.61 Set a malpais stone 16

T25 N.R. 7 E. (contd)

Chs. $\times 14 \times 10$ mis. 11 mis. in the
ground for 1/4 sec. cor. marked
14 on N. face, and raised
a mound of stone 2 ft high,
3 ft base, alongside. Pits
impracticable.

83.61 The cor. to secs. 7, 8, 17 and 18.
Land, rolling.
Soil, stony 3rd rate.
No timber.

N. $0^{\circ} 3'$ W. bet. secs 7 and 8.
Var. $140^{\circ} 32'$ East.

over rolling land.

3.00 Descent 200 ft. to

27.00 Foot of descent, bet. of ravine
course E. and
Ascent 150 ft. to

33.00 Top of ridge, bet. E. and W.

Subdivisions

- Chs. descent 100 ft. to
40.00 Foot of descent
Get a volcanic stone 20 x
14 x 14, vis. 19 vis. in
the ground for $\frac{1}{4}$ sec.
cor. marker $\frac{1}{4}$ on W. face
and raise a mound
of stone 2 ft high, 3 ft.
base, alongside Pits
impracticable.
- 45.00 Descent 300 ft. from mesa
hrs. E. and S. W.
- 61.00 Foot of descent, thence
over rolling land.
- 80.00 Get a malpais stone 12 x
10 x 8 vis. 8 vis. in the
ground for cor. to sec.
5, 6, 7 and 8, marked
with 5 notches on E.

T 25 N. R. 7 E. (cont'd)

chs.

and E. edges, and varied
a mound of stone 2 ft.
high, 3 ft. base, alongside.
Pits impracticable.

Land, rolling and moun-
tainous.

Soil, stony, 3^d and 4th rate.
No timber.

mountainous land, 56 chs.

\angle 89° 58' E. on a random line
bet. secs. 5 and 8.

Var. 140° 32' East.

40.00 Set temporary 1/4 sec. cor.

80.11 Intersect N. and S line, 9 lbs

S of cor to secs. 4, 5, 8, and 9.

Thence S run

\angle 89° 54' W. on a true line

bet. secs 5 and 8.

Subdivisions

Chs.

Var. $14^{\circ} 32'$ East.

over rolling broken land

40.06

Set a malpais stone $1\frac{1}{4} \times 13 \times 13$ ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, and raised, a mound of stone 2 ft high, 3 ft. base, alongside. Pits unprac. traceable.

80.11

The cor to secs. 5, 6, 7 and 8. Land, rolling and broken. Soil, stony, 3rd rate. No timber.

N. $89^{\circ} 50'$ W. on a random line bet secs. 6 and 7.

Var. $14^{\circ} 32'$ East.

40.00

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

T 25 N. R. 7 E. (cont'd)

Chs.
83 59

Intersect W. boundary
of Township (3 chs. N. of
cor. to secs. 16, 7 and 12.

Thence I run

S 89° 56' E on a true line
bet. sec 6 and 7.

Var. 140 32' East.

over rolling land.

43 59

Set a malpais stone 14" 10 x 9
ins. 10 ins. in the ground
for 14 sec. cor. marked 14 on N.
face, and raised a mound of
stone 2 ft high, 3 ft. base,

alongside. Pits impracticable
for cor. to secs. 5, 6, 7 + 8
Land, rolling.

83. 59

Soil, stony, 3 is rate.

No timber.

N. 0° 3' W on a random line

Subdivisions T. 25 N. R. 7 E. (ctd)

Chs. bet. sec. 5 and 6.

Var. $140^{\circ} 32'$ East

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

5012 Intersect N boundary of $\frac{1}{4}$ sec.
16 chs E. of cor. to sec. 5, 6
31 and 32.

Thence I run

$S. 00^{\circ} 10' E.$ on a true line
bet. sec. 5 and 6.

Var. $140^{\circ} 32'$ East.

Over rolling land,

40.12 Set a malpais stone $12 \times$
 10×10 ins. 8 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face,
and raise a mound of
stone 2 ft high, 3 ft base,
alongside. Pits imprac-
ticable.

Concluded Book 508

BOOK 509