

No-412

4-671

412

FIELD NOTES

GENERAL LAND OFFICE.

Subdivision

Township 22 N. R. 1 East.

No. 412

Indexed Book 411

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BOOK 412

Township 22N R. 1E

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Bushy T. 22 N. R. 1 E (cont)

- chs bet. secs. 22 and 27.
 Var. $140^{\circ} 47'$ East.
- 40.00 Set temporary $\frac{1}{4}$ sec. cor
 79.85 Intersect N. and S. line 17
 lbs. N. of cor to secs 22, 23,
 26 and 27.
 Thence I run
 N. $89^{\circ} 55'$ W. on a true line
 bet. secs. 22 and 27.
 Var. $140^{\circ} 47'$ East.
- Over mountainous land,
 3.00 Ascent 300 ft.
 19.00 Top of ascent, and descend
 300 ft.
 39.92 Get a maelpais stone $24 \times 16 \times$
 12 ins. 18 ins. in the ground
 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
 N. face, and raised a
 mound of stone $1\frac{1}{2}$ ft high,

Subdivisions

cho 2 ft base, along side, from
which
a Pine 12 ins. in diam. hrs
N. 13° W. 87 lbs. dist. marked
1/4 S. B.T.

a Pine 14 ins. diam. hrs.
N. 49° 17' W. 120 lbs. dist.
marked 1/4 S. B.T.

41.00 Foot of descent

Thence over rolling land.

79.85 The cor. to sec. 21, 27, 29 and
28.

Land, mountainous and
rolling.

Soil, rocky, 4th rate.

Timber, scattering pine
with some cedar and
juniper brush.

mountainous land 41 cho.

T. 22 N. R. 1 E. (cont'd)

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

Var. 14047 East.

over rolling land, through
scattering pine

10.00 Descend 20 ft.

35.00 Foot of descent.

40.00 Get a malpais stone 15×12
 $\times 9$ 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, 2 ft base, alongside
from which
a Pine 20 ins. diam. has
N. $70^{\circ} 11'$ E. 212 lbs. dist.
marked $\frac{1}{4}$ S. B. T.
a Juniper 18 ins. diam. has
N. $17^{\circ} 06'$ E. 116 lbs. dist.
marked $\frac{1}{4}$ S. B. T.

Subdivisions

chs	
47.00	ascend 160 ft.
60.00	Top of ascent.
77.00	Enter dense cedar brush.
80.00	Get a malpais stone 20 x 18 x 12 ins. 15 ins. in the ground for cor. to secs. 15, 16, 21 and 22, marked with 3 notches on S and E edges, and raised a mound of stone 1/2 ft high, 2 ft. base, along- side, from which a cedar 14 ins. diam. hrs. N. 45° 30' E. 71 lbs. dist. marked T. 22 N. R. 1 E. S. 15 B. T. a cedar 8 ins. diam. hrs. S. 22° 05' E. 65 lbs. dist. marked T. 22 N. R. 1 E. S. 22 B. T. a cedar 6 ins. diam. hrs.

T. 22 N. R. 1 E. (cont)

chs. S. $37^{\circ} 30'$ W. 85 chs. dist
 marked T. 22 N. R. 1 E. S. 21 B.T.
 a Pine 10 ins. diam hrs
 N. $60^{\circ} 21'$ W. 31 chs. dist.
 marked T. 22 N. R. 1 E. S. 16 B.T.
 Land, broken
 Soil, rocky, 4th rate.
 Timber, scattering pine
 and brush.
 Dense brush 3 chs.

S. 89° 35' E. on a random line
 bet secs. 15 and 22.

Var. 14° 47' East.

40.00 Set temporary H sec cor
 79.93 Intersect N. and S. line 9 chs
 N. of cor to secs. 14, 15, 22
 and 23,
 Thence Iron

Subdivisions

- | | |
|-------|--|
| cho. | N. 89° 51' W. on a true line
bet. secs. 15 and 22.
Var. 140° 47' East.
over mountainous land. |
| 11.00 | ascend 500 ft. |
| 29.00 | Top of ascent, and
descent 600 ft. |
| 39.96 | Set a malpais stone 20 x
16 x 10 ins. 15 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, 2 ft base, along
side. Puts impracticable |
| 57.00 | Foot of descent.
Thence over rolling land |
| 79.00 | Enter dense brush. |
| 79.93 | The cor. to secs. 15, 16, 21 & 22. |

T. 22 N. R. 1 E. (cont)

chs. Land, mountainous and rolling -
Soil, stony, 4th rate.

No timber.

mountainous, or land covered
with dense brush, 46.93 chs.

at this cor. I set off $17^{\circ} 31'$
N. on the decl. arc, and at
11 h 56 m. a. m. l. m. t. observe
the Sun on the meridian;
the resulting lat. is 35°
 $15'$ N. the true lat. nearly.
I verify the adjustments
of my transit and find
them correct.

N. $0^{\circ} 2'$ W. bet. secs 15 and 16.

Var. $14^{\circ} 47'$ East.

Over mountainous land.

Subdivisions

- | chs. | Subdivisions |
|-------|---|
| 1.00 | Leave bench.
ascend 100 ft. |
| 16.00 | Top of ascent, ridge,
course E. and W.
Descend 150 ft. |
| 29.00 | Foot of descent, ravine
4 ft. deep, course W.
ascend 150 ft. |
| 40.00 | Get a malpais stone 16
x 9 x 8 ins. 11 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W face,
and raised a mound of
stone $\frac{1}{2}$ ft high, 2 ft
base, alongside, from
which
a cedar 8 ins. diam has
S 60° 15' E. 20 lbs. dist.
marked $\frac{1}{4}$ S. B.T. |

T. 22 N. R. 1 E. (cont.)

- chs. a cedar 10 ins. diam. hrs.
 N. $80^{\circ} 30'$ W. 121 lbs. dist
 marked $\frac{1}{4}$ S.B.T.
 cor. on W. Slope of butte.
- +3.70 Top of ascent and descent
 350 ft.
- 50.00 Foot of descent
- Get a malpais stone 15×13
 $\times 11$ ins. 10 ins. in the
 ground for cor. to res.
 9, 10, 15 and 16, marked with
 4 notches on S. and 3
 notches on E. edges, and
 raised a mound of stone
 $1\frac{1}{2}$ ft. high, 2 ft. base,
 alongside, from which
 a cedar 20 ins. diam. hrs.
 S. $73^{\circ} 21'$ E. 196 lbs. dist.
 marked T. 22 N. R. 1 E. S. 15 S.T.

Subdivisions

60.00

an oak 8 ins. diam. 60.

S. 90° 13' W. 295 lbs. dist.

marked T. 22 N. R. 1 E. S. 16 0. T.
No other trees within limits.

Land, mountainous

Soil, rocky, 4th rate.

Timber, scattering pine

mountainous land 80 lbs.

 S. 89° 51' E. on a random line
bet. sees. 10 and 15.

Var. 140° 47' East.

40.00

Set temporary 1/4 sec. cor.

79.97

Intersect N. and S. line

25 lbs S. of cor. to sees.

10, 11, 14 and 15.

Thence I run

S. 89° 51' W. on a true line

bet. sees 10 and 15.

Var. 140° 47' East.

T. 22 N. R. 1 E. (cont)

- cho. over calling land.
- 21.50 ascent gradually 40 ft.
- 32.00 Top of ascent.
- 32.85 Post, marked $\frac{27}{m}$
- 33.00 Road from Williams to
Black Tanks, course N. W.
and S. E.
- 39.98 Set a malpais stone 14 x 14
x 12 ins. 9 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, 2 ft. base,
along side. Pits impracticable.
- 39.97 The cor to sec 9, 10, 15 and 16.
Land, calling.
Soil, stony, 3rd rate.
No timber.

May 9th, 1894.

Subdivisions

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

Var. $140^{\circ} 47'$ East.

Over calling land.

37.25 Road from Williams to
Black Tanks, course N. W.
and S. E.

40.00 Set a malpais stone, $20 \times$
 10×10 ins. 15 ins. in the
ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face,
and raised a mound of
stone $\frac{1}{2}$ ft high, 2 ft
base, alongside. Pits.
impracticable

80.00 Set a malpais stone $17 \times$
 13×11 ins. 12 ins. in the
ground for cor to secs.
3, 4, 9, and 10 marked with
5 notches on S. and 3

T. 22 N. R. 1 E. (cont)

cho notches on E. edges, and
 raised a mound of stone
 1 1/2 ft high, 2 ft. base,
 along side, from which
 a cedar 16 ins. diam. has.
 S. 130 30' W. 123 lbs. dist.
 marked T. 22 N. R. 1 E. S. 9 B.T.
 a cedar 18 ins. diam. has
 S. 490 13' W. 107 lbs. dist.
 marked T. 22 N. R. 1 E. S. 9 B.T.
 No other trees within limits.
 Pits impracticable
 Land, rolling.
 Soil, rocky, 3d rate.
 No timber

N. 890 58' E. on a random line
 bet. sec. 3 and 10.

Var. 140 47' East.

Subdivisions

- | cho. | |
|---------------|--|
| 40.00 | Set Temporary $\frac{1}{4}$ sec cor. |
| 79.91. | Intersect N. and E line |
| plot
20.04 | 13 lbs. N. of cor. To sec.
2, 3, 10 and 11. |
| | Thence 9 min |
| | N. $89^{\circ} 56'$ W. on a true line
bet. secs. 3 and 10. |
| | Var. $14^{\circ} 47'$ East. |
| | over rolling land
ascend gradually 40 ft. |
| 31.00 | Top of ascent and
descent gradually 20 ft. |
| 37.00 | Foot of descent. |
| 39.95 | Set a malpais stone 16
$\times 14 \times 12$ ins. 11 ins in
the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face
and raised a mound of
stone $1\frac{1}{2}$ ft. high, 2 ft. |

T. 22 N. R. 1 E. (cont)

ch. base, along side, from which
an oak 8 ins. diam bro.

S. $63^{\circ} 30' E$. 120 lks dist.

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

a cedar 10 ins. diam. bro.

S. $24^{\circ} W$. 140 lks dist. marked

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

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

land, rolling.

Soil, stony, 3^d rate.

Timber, some scattering pine

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

Var. $140^{\circ} 47'$ East.

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

79.90 Intersect N. bdy of the 7th
9 lks East of cor. to secs.
3, 4, 33 and 34, as hereinbefore

Subdivisions

- | No. | described. |
|-------|--|
| 39.90 | <p>Thence I run
 $S. 0^{\circ} 6' E.$ on a true line
 bet. sec. 3 and 4
 Var. $14^{\circ} 47'$ East.
 over gently rolling land.
 Set a limestone $14 \times 9 \times 8$
 ins. 9 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, 2 ft. base, along-
 side. Pts impracticable.</p> |
| 79.90 | <p>The cor. to sec. 3, 4, 9 and 10.
 Land, gently rolling.
 Soil, rocky 3rd rate.
 No timber</p> |

From the cor. to sec.

T. 22 N. R. 1 E. (cont.)

- chs H. 5, 32 and 33, on S. ldy of
 Sp., which is a stone
 firmly set and properly
 marked and witnessed
 as described in the
 field notes furnished by
 Surveyor General,
 Drum
 N. 0° 2' W. Let. sec 32 and 33.
 Var. 140 47' East.
 Over rolling land
 16.00 Descent 40 ft.
 20.00 Foot of descent.
 Small ravine, course E.
 ascent 60 ft.
 33.00 Top of ascent.
 40.00 Got a malpais stone 20 x 14
 x 10 ins. 15 ins. in the
 ground for 1/4 sec. con.

Subdivision

do market 44 on W. face, and raised a mound of stone $1\frac{1}{2}$ ft. high 2 ft. base, alongside. Pits unpracticable

80.00

Set a malpais stone $17 \times 15 \times 11$ ins. 12 ins. in the ground for con to sec. 28, 29, 32 and 33, marked with 1 notch on S. and 4 notches on E. edges and raised a mound of stone $1\frac{1}{2}$ ft high, 2 ft. base, alongside, from which

a Juniper 10 ins. diam.
 hrs. N. 31° 22' E. 85 lks dist
 marked T. 22 N. R. 1 E. S. 28 S. T.
 a Juniper 16 ins. diam.

T. 22 N. R. 1 E. (cont.)

ch. 1. b. S. $89^{\circ}45' W.$ 19.5 lbs. dist.
 marked T. 22 N. R. 1 E. S. 32 B.T.
 No other trees within limits
 Land, rolling.
 Soil, stony, 3d rate
 no timber, some scattering
 juniper and cedar.

N. $89^{\circ}48' E.$ on a random line
 bet. secs. 28 and 33.

Var. $140^{\circ}47' East.$

40.00 Get Temporary 1/4 sec. cor-

80.17 Intersect N. and S. line
 13 lbs. N. of cor. to secs. 27-
 28, 33 and 34.

Hence I run

S. $89^{\circ}54' W.$ on a true line
 bet. secs. 28 and 33.

Var. $140^{\circ}47' East.$

Subdivisions

- chs over mountainous land
 ascent 250 ft.
- 9.00 Top of ascent and descent
 650 ft.
- 29.00 Foot of descent.
 Thence over rolling land.
- 40.08 Set a malpais stone, 18x
 12x9 ins. 12 ins. in the
 ground for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on N. face, and
 raised a mound of stone
 1 $\frac{1}{2}$ ft. high, 2 ft. base,
 along side, from which
 a jumper 10 ins. diam.
 bis N. 71° E. 85 lbs dist.
 marked $\frac{1}{4}$ S. B.T.
- No other trees within limits.
- 80.17 The cor. to secs. 28, 29, 32 and
 33.
 Land, mountainous, and

T. 22 N. R. 1 E. (cont)

chs. rolling.

Soil, rocky, 3^d and 4th rate.

Timber, scattering pine
with some juniper and
cedar brush.

mountainous land 29 chs.

N. $0^{\circ} 2'$ W. bet. secs 28 and 29.

Var. $14^{\circ} 47'$ East.

ever gently rolling land.

40.00 Set a malpais stone $11 \times 9 \times$
8 ins. 6 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,
2 ft. base, alongside. Pits
impracticable.

63.00 Dry wash, 10 ft. deep, course
W.

Subdivisions

lbs.

80.00

Set a malpais stone
 20 x 20 x 18 ins. 15 ins. in
 the ground for row to.
 sec. 20, 26, 28 and 29,
 marked with 2 notches
 on S and 4 notches on E.
 edges, and raised a
 mound of stone 1 1/2 ft.
 high, 2 ft. base, along side,
 from which
 a juniper 40 ins. diam.
 lbs. S. 220 13' E. 180 lbs. dist.
 marked T. 22 N. R. 1 E. S. 283 T.
 a Pine 10 ins. diam. lbs
 S. 100 15' E. 210 lbs. dist.
 marked T. 22 N. R. 1 E. S. 283 T.
 a juniper 26 ins. diam.
 lbs. S. 40 30' E. 200 lbs. dist.
 marked T. 22 N. R. 1 E. S. 283 T.

T. 22 N. R. 1 E. (cont)

obs a juniper 16 ins. diam ho.

S. $50^{\circ} 30'$ W. 270 lbs dist.

market T. 22 N. R. 1 E. S. 29 B.T.

Land, gently rolling.

Soil, rocky, 3^d rate.

Timber, a few scattering
pines and juniper.

N. $89^{\circ} 34'$ E. on a random line
bet. sec. 21 and 28.

Var. $14^{\circ} 47'$ East.

40.00 Set temporary 44 sec cor.

79.95 Intersect the N. and S. line

12 lbs. N. of cor. to sec. 21, 22,
27 and 28.

Thence I run

S. $89^{\circ} 39'$ W. on a true line

bet. sec. 21 and 28.

Var. $14^{\circ} 47'$ East.

Subdivisions

cho over rolling land, through dense brush.

2.03 Leave dense brush.

39.97 Set a malpais stone $22 \times 16 \times 10$ ins. 16 ins. in the ground for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on N. face, and raised a mound of stone $1\frac{1}{2}$ ft. high, 2 ft. base, along side, from which a juniper 10 ins. diam. has $S 80^{\circ} E$. 100 lks dist. marked $\frac{1}{4}$ S. B. T.

No other trees within limits.

79.95 The cor. to secs. 20, 21, 26 and 29. Land, rolling.

Soil, rocky, 3rd rate.

Timber, scattering pine and juniper.

T. 22 N. R. 1 E. (cont)

chs. Dense brush, 2.03 chs.

N. 0° 2' W. bet. sec. 20 and 21.

Var. 14° 47' East.

Over gently rolling land.

40.00 Set a malpais stone 16x10
 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 1 1/2 ft. high, 2 ft.
 base, along side, from
 which

a jumper 36 ins. diam. bro.
 W. 65 lbs. dist. marked 1/4
 S. S.T.

no other trees within limits

40.50 Descend 40 ft.

50.00 Foot of descent.

80.00 Set a malpais stone 18x16x

Subdivisions

Sub
14 ins. 12 ins. in the ground
for cor. to sec. 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, 2 ft
base, along side, from
which

a juniper 40 ins. diam.

hs. N. $88^{\circ} 15' E$. 106 lbs.

dist. marked T. 22 N. R. 1 E S. 16 B.T.

a juniper 10 ins. diam.

hs. S. $43^{\circ} 09' E$. 106 lbs.

dist. marked T. 22 N. R. 1 E

S. 21 B.T.

a juniper 12 ins. diam. hs.

S. $32^{\circ} 21' N$. 102 lbs. dist.

marked T. 22 N. R. 1 E S. 20 B.T.

a juniper 6 ins. diam.

T. 22 N. R. 1 E. (cont)

cho. has N. 21° 13' W. 90 lks. dist.
 marked T. 22 N. R. 1 E. S. 17 S.T.
 Land, rolling.
 Soil, rocky, 3^d rate.
 Timber, some scattering
 juniper.

at this point I take an
 observation on the sun
 and find my instrument to
 be in perfect adjustment,
 and the variation to be
 140 47' East.

N. 89° 59' E. on a random line
 bet. sec. 16 and 21.

Var. 140 47' East.

40.00 Set temporary 1/4 sec. cor.

79.93 Intersect N. and S. line 21

Subdivisions

cho. lks. N. of cor. to sec. 15, 16,
21 and 22.

Thence I run

N. 89° 52' W. on a true line
bet. sec. 16 and 21.

Var. 140 47' East

over rolling land.

3996 Set a malpais stone 15 x 11 x
9 ins. 10 ins. in the
ground for 1/4 sec. cor.
marked 1/4 on N. face and
raised a marker of stone
1 1/2 ft high, 2 ft. base,
alongside, from which
a Pine 8 ins diam. lvs.
S. 48° W. 50. lks. dist. marked
1/4 S.B.T

No other trees within limits

41.00 ascent gradually, 75 ft.

T. 22 N. R. (E. Cont.)

- cha
53.00 Top of ascent.
Descent gradually, 60 ft.
72.00 Foot of descent.
79.93 The cor. to secs. 16, 17, 20 and
21.

Land, rolling.

Soil, stony, 3^d rate.

Timber, some scattering pine
and juniper.

N. 0° 2' W. bet. secs. 16 and 17.

Var. 14° 47' East.

Over rolling land.

- 19.00 Dry wash, 10 ft. deep,
course W.

- 40.00 Bet. a malpais stone 16 x
12 x 10 ins., 11 ins. in the
ground for 1/4 sec. cor.
marked 1/4 on W. face, and.

Subdivisions

40. raised a mound of stone
 1 1/2 ft high, 2 ft. base,
 alongside Pits imprac-
 ticable
- 53.00 Descend gradually 200 ft.
- 78.00 Foot of descent.
- 80.00 Set a malpais stone 21 x
 18 x 12, ins. 16 ins. in the
 ground for cor. to sec.
 8, 9, 16 and 17, marked
 with 4 notches on S and
 E. edges, and raised a
 mound of stone 1 1/2 ft high,
 2 ft. base, alongside. Pits
 impracticable.
- Land, rolling.
 Soil, rocky, 3rd rate.
 No timber.

May 10th, 1894.

T. 22 N. R. 1 E (cont)

lbs. S. $89^{\circ} 52'$ E. on a random line
bet. secs. 9 and 16.

Var. $140^{\circ} 47'$ East.

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

79.90 Intersect N. and S. line 17
lbs. N of cor to secs. 9, 10,
15 and 16.

Thence I run

N. $89^{\circ} 45'$ W. on a true line

bet. secs. 9 and 16.

Var. $140^{\circ} 47'$ East.

over rolling land.

39.95 Set a malpais stone 20×14
 $\times 9$ ins. 15 ins. in the
ground for $\frac{1}{4}$ sec. cor-
marker $\frac{1}{4}$ on N. face, and
raised a mound of stone
 $1\frac{1}{2}$ ft. high, 2 ft. base,
alongside, from which

Subdivisions

- 40 a jumper 10 in. diam.
 bearing N. 48° 18' E. 40 lbs. dist
 marked 1/4 S. S.T.
 No other trees within limits.
 ascent 150 ft.
- 50.00 Top of ridge, course N.W.
 descent 250 ft.
- 72.00 Foot of descent.
- 79.90 The cor. to sec. 8, 9, 16 and 17.
 Land, rolling and broken.
 Soil, rocky, 3rd rate.
 No timber.
-
- N. 0° 2' W. bet. sec. 8 and 9.
 Var. 140° 47' East.
 Over rolling land.
- 13.00 ascent 150 ft.
- 23.40 Top of ridge, course N.W.
 and S. E.

T. 22 N. R. 1 E. East

- cho. Descent 150 ft.
- 35.00 Foot of descent.
- 35.70 Road from Williams to
Black Tanks, course N. W.
and S. E.
- 40.00 Set a malpais stone 19x17x
10 ins. 14 ins. in the
ground for $\frac{1}{4}$ sec. cor-
marker $\frac{1}{4}$ on N. face, and
raised a mound of stone
1 $\frac{1}{2}$ ft high, 2 ft. base,
alongside, from which
a cedar 40 ins. diam. has
S 79° W. 204 lbs. dist.
marker $\frac{1}{4}$ S. B.T.
- a cedar 25 ins. diam. has
N. 34° 30' W. 220 lbs. dist.
marker $\frac{1}{4}$ B. B.T.
- 80.00 Set a malpais stone 16x

Subdivisions

chs 14x10 ins. 11 ins. in the
ground for cor. to sec.
4, 5, 8, and 9 marked with
5 notches on S. and 4
notches on E. edges, and
raised a mound of stone
1 1/2 ft high, 2 ft base, along
side, from which
a cedar 6 ins. diam. bis.
N. 31° 09' E. 85 lbs. dist.
marked T. 22 N. R. 1 E. S. 4 B. T.
a juniper 6 ins. diam.
bis. S. 43° 13' E. 102 lbs.
dist. marked T. 22 N. R. 1 E. S. 4 B. T.
No other trees within limits.
Land, rolling and broken.
Soil, stony, 3 or 4 ft.
No timber, scattering cedar
and juniper brush.

T. 22 N. R. 1 E. (cont)

chs. S. $89^{\circ}45'$ E. on a random line
bet. sec. 4 and 9.

Var. $140^{\circ}47'$ East.

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

79.57 Intersect N. and S. line 20
lbs. S. of cor. to sec. 3, 4,
9 and 10.

Thence S run

N. $89^{\circ}54'$ W. on a true line
bet. sec. 4 and 9.

Var. $140^{\circ}47'$ East.

Over calling land

39.93 Set a macparr's stone $15 \times$
 14×13 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 $1\frac{1}{2}$ ft. high, 2 ft
base, alongside, from

Subdivisions

As which

a juniper 9 ins. diam
 loc. S. $49^{\circ} 21' W$ 79 lbs. dist.
 marked $1/4$ S. B. T.

a juniper 13 ins. diam
 loc. S. $71^{\circ} 36' W$ 185 lbs.
 dist. marked $1/4$ S. B. T.

45.00 ascent 100 ft.

57.00 Top of ascent, and
 descent 75 ft.

62.00 Foot of descent

79.87 The cor to secs. 4, 5, 8 and 9.

Last, rolling.

Soil, stony, 3^d rate.

No timber, some scattering
 cedar and juniper.

$N. 0^{\circ} 2' W$. on a random line
 bet. secs. 4 and 5.

T. 22 N. R. (E. limit)

chs. Var. 140 47' East.

+0.00 Set temporary $\frac{1}{4}$ sec. cor.

80.03 Intersect N. bdy of Tpo. 10
lks W. of cor. to reco.
4, 5, 32 and 33.

Thence I run
S. $5^{\circ} 02' W.$ on a true line
bet. secs. 4 and 5.

Var. 140 47' East.

even rolling land.

30.00 ascent 20 ft.

+0.03 Set a malpais stone, 18x16
x 10 ins. 12 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, 2 ft. base,
alongside, from which
a Pine 40 ins. diam. brs.

Subdivisions

- chs N. $9^{\circ}01'E$. 87. lks. dist.
 marker $\frac{1}{4}$ S. B.T.
 a cedar 10 ins. diam hts.
 S. $37^{\circ}30'E$. 107 lks. dist.
 marker $\frac{1}{4}$ S. B.T.
 ascent 30 ft.
- 42.00 Top of ascent and
 descent 40 ft.
- 48.00 Foot of descent
- 80.03 The cor. to secos. 4, 5, 8 and 9.
 Land, rolling.
 Soil, stony, 3rd rate.
 Timber, a few pines and
 some scattering cedar
 brush.

From the cor. to secos.
 5, 6, 31 and 32, on the S.
 ldy of the 2^d. which is.

T. 22 N. R. 1 E. (cont)

cho. a stone firmly set and properly marked and witnessed as described in the field notes furnished by Surveyor General

Iron

N. 0° 3' W. bet. sec. 31 and 32.

Var. 140 47' East.

Over railroad land.

1.00 Telegraph line, course N. W. and S. E.

1.50 Center of Atlantic and Pacific railroad track, course N. W. and S. E.

34.00 Ravine, 7 ft. deep, course S. W.

40.00 Set a malpais stone 20 x 15 x 12 ins. 15 ins. in the

Submissions

- chs. 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, 2 ft.
 base, alongside, from
 which
 an oak 6 ins. diam. bes.
 N. 42° W, 120 lbs. dist,
 marked $\frac{1}{4}$ S. B.T.
- a Pinon 12 ins. diam.
 bes N. 82° 21' W, 85 lbs. dist,
 marked $\frac{1}{4}$ S. B.T.
- 66.70 Ravine, 4 ft. deep, course W.
- 80.00 Set a malpais stone $16 \times$
 9×7 ins. 11 ins. in the
 ground for cor. to sec.
 29.30, 31 and 32, marked
 with 1 notch on S and
 5 notches on E. edge,

T. 22 N. R. 1 E. (cont)

cho. and raised a mound of
stone 1 1/2 ft high, 2 ft. base
alongside, from which
a Juniper 11 ins. diam.
bws. N. 53° 30' W. 285 lks. dist.
marked T. 22 N. R. 1 E. S. 30 B.T.
a cedar 8 ins. diam. bws.
N. 81° 09' W. 310 lks. dist.
marked T. 22 N. R. 1 E. S. 30 B.T.
No other trees within limits.
Lant, broken and rolling.
Gail, stamp 35 rate.
No timber, some scattering
brush.

S. 89° 45' E. on a random line
bet. sec. 29 and 32.

Var. 140 47' East.

40.00 Get Temporary 1/4 sec. cor

Subdivisions

chs
79.91

Intersect N. and S. line

13 lks S. of cor. to sees.

28, 29, 32 and 33.

Thence I run

N. $89^{\circ}54'$ W. on a true line

bet sees 29 and 32.

Tan. $14^{\circ}47'$ East,

over rolling land;

39.95

Set a malpais stone $14 \times$

9×8 ins. 9 ins. in the

ground for $\frac{1}{4}$ sec cor.

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

and raised a mound

of stone $1\frac{1}{2}$ ft high, 2 ft.

base, alongside, from

which

a cedar 11 ins. diam. lvs.

N. $43^{\circ}21'$ E. 215 lks. dist.

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

T. 22 N. R. 1 E. (cont)

chs. No other trees within limits

79.91. The cor. to secs. 29, 30, 31
and 32.

Land, rolling.

Soil, stony 3^d rate.

No timber

S. $89^{\circ} 48'$ W. on a random line
bet secs. 30 and 31.Var. $14^{\circ} 47'$ East.

40.00 Set temporary 1/4 sec. cor.

78.77 Intersect W. bdy of the
Twp. 2' lps. N. of the cor. to
secs. 25, 30, 31, and 36, which
is a rock in place,
properly marked and int-
nessed as described in the
field notes furnished by
the Surveyor General.

Subdivisions

cho Thence Iron
S. 89° 39' E. on a true line
bet. sec. 30 and 31.

Var. 140 47' East.

over rolling land.

38.77 Set a malpais stone 17x
15x12 ins. 12 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, 2 ft base, along-
side, from which
a jumper 16 ins. diam
bro. N. 77° 33' W. 87 lbs. dist.
marked 1/4 S. B.T.

No other trees within limits

56.00 Descent 50 ft.

62.00 Foot of descent.

67.00 canon 85 ft. deep, course

T. 22 N. R. 1 E. (cont.)

cho. S. W. Ascend 60 ft to

78.77 The cor to sec. 29, 30, 31, and
32.

Land, rolling.

Soil, stony, 3^d rate.

No timber, scattering

cedar and yampun bush.

At this cor. I verify
the adjustments of my
transit, and find them
correct. I then set off
 $18^{\circ} 02' N.$ on the decl. arc,
and at 11^h 56^m a. m. l. m. t.
I observe the Sun on the
meridian; the resulting
lat. is $35^{\circ} 13' N.$ the true
latitude nearly.

Subdivisions

- cho N. 0° 3' W. bet. sec. 29 and 30
 Var. 140 + 7' East.
 over rolling land.
- 9.00 Descend 150 ft. into canon.
- 27.00 Bottom of canon, course
 S. W.
 ascent 150 ft.
- 33.60 Top of ascent.
 Thence over rolling land.
- 40.00 Set a malpais stone 24 x
 18 x 16 ins. 18 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, 2 ft
 base, alongside, from
 which
 a cedar 8 ins. diam. - lvs.
 S. 22°, 9' W. 228 lks. dist.

T. 22 N. R. 1 E. (cont)

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

a cedar 10 ins. diam. tree.

N. $86^{\circ} 13' E.$ 213 lbs. dist.

marked 1/4 S. B.T.

80.00 Set a mae-pais stone 17 x

14 x 11 ins. 12 ins. in the

ground for con. to sees.

19, 20, 29 and 30, marked with

2 notches on S. and 5

notches on E. edges, and

raised a mound of stone

1 1/2 ft. high, 2 ft. base

alongside, from which

a cedar 14 ins. diam. tree.

N. $60^{\circ} 21' E.$ 90 lbs. dist.

marked T. 22 N. R. 1 E. S. 20 B.T.

a cedar 8 ins. diam. tree.

S. $10^{\circ} 30' E.$ 212 lbs. dist.

marked T. 22 N. R. 1 E. S. 29 B.T.

Subdivisions

chs a cedar 20 ins diam hrs.
S. 73° 31' W. 90 lks dist.

market T. 22 N. R. 1 E. S. 30 S. T.

a cedar 12 ins. diam. hrs.

N. 71° 29' W. 99 lks dist.

market T. 22 N. R. 1 E. S. 19 S. T.

Land, rolling and mountainous.

Soil, rocky, 3^d and 4th rate.

No timber, some scattering cedar.

mountainous land 26.60 chs.

S. 89° 54' E. on a random line

bet. secs. 20 and 29.

Var. 140 47' East.

40.00 Bet Temporary 1/4 sec. cor.

79.95 Intersect N. and S. line

12 lks S. of cor. to sec.

T. 22 N. R. 1 E. (cont.)

chs. 20, 21, 28 and 29.

Thence I run

N. $89^{\circ} 59'$ W. on a true line
bet. sees. 20 and 29.

Var. $140^{\circ} 47'$ East.

39.97 Set a walpais stone $16 \times 10 \times$
9 ins. 11 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on N. face, and raised
a mound of stone $1\frac{1}{2}$
ft high, 2 ft. base,
alongside Pits mi-
practicable.

79.95 The cor. to sees. 19, 20, 29
and 30.

Land, gently rolling.

Soil, rocky, 30 and 4th rate,
No timber.

Subdivisions

Chs. N. $89^{\circ}39'$ W. on a random line
bet. secs. 19 and 30.

Var. $140^{\circ}47'$ East

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

78.69 Intersect W. bdy of Tp. 25 lks.

N. of cor. to secs 19, 24, 25,
and 30, which is a stone
firmly set and properly
marked and witnessed as
described in the field
notes furnished by the
Surveyor General.

Thence I run

S. $89^{\circ}50'$ E. on a true line
bet. secs. 19 and 30.

Var. $140^{\circ}47'$ East.

over rolling land.

Descend gradually 30 ft.

21.00 Foot of descent.

T. 22 N. R. 1 E. (cont.)

chs.
 38.69 Set a malpais stone 22x
 15x16 ins. 15 ins. in
 the ground for $\frac{1}{4}$ sec. 20
 marked $\frac{1}{4}$ on N. face, and
 raised a mound of
 stone $1\frac{1}{2}$ ft. high, 2 ft
 base, alongside. Pits.
 impracticable

78.69 The cor. to secs. 19, 20, 29 and
 30.

Land, gently rolling.

Soil, rocky, 4th rate.

No timber, some scatter-
 ing cedar.

May 11th 1894.

N. 0° 3' W. bet. secs. 19 and 20

Var. 140 47' East.

over rolling land.

Subdivisions

cho.	
40.00	Set a malpais stone $19 \times 16 \times 12$ ins. 14 ins. in the ground, for $\frac{1}{4}$ sec. corner marked $\frac{1}{4}$ on N. face, and raised a mound of stone $1\frac{1}{2}$ ft high, 2 ft. base, alongside, from which
	a cedar 27 ins. diam - lbs S. $70^{\circ} 11'$ E. 51 lbs. dist. marked $\frac{1}{4}$ S. B.T.
	a cedar 21 ins. diam - lbs S. $39^{\circ} 03'$ W. 102 lbs. dist. marked $\frac{1}{4}$ S. B.T.
54.00	Descend 300 ft. into canon
59.75	Bottom of canon, course W.
	ascend 200 ft.
64.90	Top of ascent.

T. 22 N. R. 1 E. (cont)

chs
 80.00 Thence over rolling land,
 Set a maepris stone
 21 x 18 x 15 ins. 16 ins. in
 the ground for cor. to sec.
 17, 18, 19 and 20, marked with
 3 notches on S. and 5 on E. edges,
 and raised a mound of
 stone 1 1/2 ft. high, 2 ft
 base, alongside, from
 which
 a juniper 6 ins. diam
 hrs. N. 710 N. 212 lbs. dist.
 marked T. 22 N. R. 1 E. S. 18 B.T.
 a juniper 30 ins. diam.
 hrs. N. 630 N. E. 210 lbs. dist.
 marked T. 22 N. R. 1 E. S. 17 B.T.
 No other trees within limits
 From this cor. a ranch
 house, belonging to

Subdivisions

chs. Frank Rodgers bro. S. 63°
 45' W. about 3/8 of a mile.
 Lands, rolling and moun-
 tainous.
 Soil, rocky 4th rate.
 No timber, scattering
 cedar and juniper bush.
 mountainous land, 10.90 chs.

S. 89° 59' E. on a random line
 bet. secs. 17 and 20.

Var. 140 47' East.

40.00 Set temporary 1/4 sec cor

79.98 Intersect N. and S. line
 17 lbs. S of cor. To sec.

16, 17, 20 and 21.

thence I run

S. 89° 54' W. on a true line
 bet. secs. 17 and 20.

T. 22 N. R. 1 E. (cont)

chs.

Var. $14^{\circ} 47'$ East

over nearly level land.

39.99

Set a malpais stone $23 \times 18 \times 11$ ins. 17 ins. in the ground for $\frac{1}{4}$ sec. corner marked $\frac{1}{4}$ on N. face, and raised a mound of stone $1\frac{1}{2}$ ft high, 2 ft. base, alongside. Pits impracticable.

79.98

the corner to secs. 17, 18, 19 and 20.

Land, gently rolling.

Soil, rocky, 3rd rate.

No timber.

N. $89^{\circ} 50'$ W. on a random line bet. secs. 18 and 19.

Var. $14^{\circ} 47'$ East.

Subdivisions

- cho
40.00 Set Temporary 1/4 sec. cor.
- 78.60 Enter at the W. hdy of the
17 hrs. N. of cor to sec.
13, 18, 19 and 24, which is
a stone firmly set and
properly marked and un-
necess as described in
the field notes furnished
by Surveyor General.
Thence I run
S. 79° 57' E. on a true line
bet. sec. 18 and 19.
Var. 140 47' East.
over rolling land, through
scattering pine and thick
cedar and piñon brush.
- 38.00 Leave thick cedar and
piñon brush.
- 38.60 Set a malpais stone

T. 22 N. R. 1 E. (cont)

cho. 144 x 10 x 8 ins. 9 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, 2 ft. base,
alongside from which
a cedar 6 ins diam bus.
N. 61° 33' W. 86 lks dist.
marked 1/4 S. B.T.
a cedar 12 ins. diam bus.
S. 43° 27' W. 96 lks. dist.
marked 1/4 S. B.T.

78.60 The cor. to secs. 17, 18, 19 and
20.

Land, rolling.

Soil, rocky, 4th rate.

Timber, scattering pine.

Dense brush 38 cho.

Subdivisions

cho. N. $0^{\circ} 3'$ W. bet. sec. 17 and 18.
 Var. $140^{\circ} 47'$ East.
 over rolling land.

40.00 Get a malpais stone $17 \times$
 12×10 ins. 12 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, 2 ft.
 base alongside, from
 which

a cedar 24 ins. diam.

hrs. N. $61^{\circ} 40'$ W. 87 lbs.

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

a cedar 11 ins. diam. hrs.

N. $69^{\circ} 37'$ W. 96 lbs. dist.

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

80.00 Get a malpais stone
 $13 \times 9 \times 8$ ins. 8 ins. in the

T. 22 N. R. 1 E. (cont)

cho. ground for cor. to secs. 7th
 8, 17 and 18, marked with
 4 matches on S and 5
 matches on E. edges, and
 raised a mound of
 stone $1\frac{1}{2}$ ft high, 2 ft-
 base, alongside, from
 which

a Pinon 6 ins. diam-
 ho. S. $31^{\circ}43'$ E. 118 lbs.

dist. marked T. 22 N. R. 1 E. S. 17 B.T.

a cedar 8 ins. diam. ho.

S. $39^{\circ}30'$ E. 123 lbs. dist.

marked T. 22 N. R. 1 E. S. 17 B.T.

a cedar 12 ins. diam ho.

S. $59^{\circ}15'$ W. 140 lbs. dist.

marked T. 22 N. R. 1 E. S. 18 B.T.

a cedar 6 ins. diam. ho.

S. $83^{\circ}30'$ W. 98 lbs. dist.

Subdivisions

chs marked T. & N.R. 1 E. S. 180.T.
 Land, gently rolling.
 Soil, stony, 3' rate.
 no timber, some scat-
 tering brush.

N. $89^{\circ} 54'$ E. on a random line
 bet. secs. 8 and 17.

Var. $14^{\circ} 47'$ East.

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

79.93 Intersect N. and S. line
 14 chs. S. of cor to secs.
 8, 9, 16 and 17.

Thence I run

S. $89^{\circ} 48'$ W. on a true line
 bet. secs. 8 and 17.

Var. $14^{\circ} 47'$ East.

39.96 over gently rolling land
 bet a mae pair stone

T. 22 N. R. 1 E. (cont)

cho. 15 x 9 x 7 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 $\frac{1}{2}$ ft high, 2 ft
base, alongside. from
which

a cedar 8 ins. diam. ho.
N. 890 13' W. 235 lbs. dist.
marked $\frac{1}{4}$ S. S.T.

a cedar 8 ins. diam.
ho. S 670 32' W. 240 lbs.
dist. marked $\frac{1}{4}$ S. S.T.

79.93 The cor. to cses 7, 8, 17 and 18.
Land gently rolling.
Soil, stony, 3rd rate.
no timber, some scattering
bush.

Subdivisions

chs. at this cor. I verify the adjustments of the transit and find them correct.

I then set off $180^{\circ}17'$ on the decl. arc, and at 11 h 56 m. a.m. l.m.t. observe the Sun on the meridian; the resulting lat. is $35^{\circ}18'$, the true lat. nearly.

N. $89^{\circ}57'$ W. on a random line bet. sees. 7 and 18.

Var. $140^{\circ}47'$ East.

40.00 Bet temporary $1/4$ sec. cor
78.56 Intersect W. bdy of sp. 19
chs. S. of cor to sees. 7, 12,
13, and 18,

T. 22 N. R. 1 E. (cont)

- chs. Thence 9 mm
 S. $59^{\circ}49'$ E. on a true line
 bet. sec. 7 and 18.
 Tar. $14^{\circ}47'$ East.
 over gently rolling land.
- 38.56 Set a malpais stone $20 \times$
 16×12 ins. 15 ins. in the
 ground for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on N. face, and
 raised a mound of stone
 $1\frac{1}{2}$ ft. high, 2 ft. base,
 alongside, from which
 a cedar 8 ins. diam. bro.
 N. $57^{\circ}20'$ E. 87 lks. dist.
 marked $\frac{1}{4}$ S. B.T.
 a cedar 10 ins. diam. bro.
 S. $21^{\circ}45'$ W. 103 lks. dist.
 marked $\frac{1}{4}$ S. B.T.
- 78.5-6 The cor to sec. 7, 8, 17 and 18.

Guts T. 22 N. R. E. (cont.)

chs Land, nearly level.
Soil, rocky, 3^d rate.
No timber, some scattering
bush.

No^o 3' W. bet. sec. 7 and 8.

Var. 140 47' East.

Over rolling land.

22.20 Dry creek, 4 ft. deep,
course, N. 30° W.

24.00 Descent 80 ft.

30.00 Foot of descent.

40.00 Set a malpais stone 20 x
16 x 12 ins. 15 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, 2 ft. base,
alongside, from which

Concluded Book 413,

BOOK 412