

3

BOOK 1445

No. 1445

1445

Exteriors

BOOK 1445

4-671

FIELD NOTES

GENERAL LAND OFFICE.

East boundary Sp 23. N. N. 7. E.

S. 7. S. " " 20. N. N. 2. E.

Retracement

North boundary Sp: 23. N. N. 7. E.

Survey of E. Exterior Bound- 129.
ary of Tp. 23 N. R. 7 E - cont'd.

Shams! Ascend 150 ft. BOOK 1445

13.50 Top ascent on mountain
ridge bears E. and W.

Descend 300 ft.

35.00 Foot of descent in bed
of canon 50 ft. deep
course E.

Ascend 300 ft. to

38.70 Top ascent, thence
over broken E. base of
mountain

40.00 Set a malpais stone
18x18x11 ins. 12 ins. in
the ground for 1/4 sec.
cov. marked 1/4 on W.
face and raised a
mound of stone 2
ft. high 3 ft. base, along-
side, from which.

130. Survey of E. Exterior Boundary
of Sp. 23 N.R. 7 E - continued

Chains. A pine 16 ins. diam.
bears N. $68^{\circ} 24' E$ 100 lks
dist. marked $\frac{1}{4}$ A. B. T.

A pine 6 ins. diam
bears S. $34^{\circ} 25' W$. 63
lks. dist. marked $\frac{1}{4}$
A. B. T.

61.37 Ravine 12 ft. deep
course A. $26^{\circ} E$.

Ascend 100 ft. to
80.00 Top ascent on mount-
ain ridge bears E and W.
The cov. to sec. Tps.
22 and 23 N. R's 7 and
8 E

Land mountainous.
Soil stony 3rd rate.
Timber pine
Mountainous or

BOOK 1445

Retracement of N. Bdy. 131.
of Tps. 23 N. R. 7 East.

Chains heavily timbered
land 80 chains.

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1445

For an intelligent
prosecution of the
survey of this town-
ship I find it necessary
to retrace the N. bound-
ary, as run by U. S.
Deputy Surveyor
A. E. Shoemaker under
his contract No. 28.

dated August 5 1882;
as follows

From the cor. to Tps.
23 and 24 N. R's 6 and
7 E.

I run

East along N. boundary

Retracement of N. B. dy

Chains of sec. 6.

Var. $15^{\circ}06' E$.

At 39.48 chains find
 '14 sec. cor. and at
 78.10 chains the cor. to
 secs 5 and 6. 31 ^{ch} / 32

Thence I run
 East along N. bound-
 ary of sec. 5.

Var. $15^{\circ}06' E$.

At 39.36 ^{ch} I find '14 sec.
 cor. and at 79.04 ^{ch} the
 cor. to secs 4 and 5. 32 ^{ch} + 33

Thence I run
 East along N. boundary
 of sec. 4.

Var. $15^{\circ}06' E$.

At 39.23 ^{ch} I find the
 '14 sec. cor. and 79.40
 chs.

of Tp. 23 N. R. 7 E - contd.

chains the cor to secs 3 and 4 334
34

Thence I run
East along N. bound-
ary sec. 3.

Var $15^{\circ} 06' E$
at 39.47 chs. I find the
1/4 sec. cor. and at
79.15^{chs} the cor. to secs.
2 and 3. 34+35- 75.10
355
355

Thence I run
East along N. boundary
of sec. 2

Var $15^{\circ} 06' E$
at 39.36 lks. I find
the 1/4 sec. cor. and at
78.94^{chs} the cor. to secs
1 and 2, 35+36.

Thence I run
East along N. boundary

134. Retracement of N. Bdy
of Sp. 23 N.R. 7 E - Leonts.

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Chains of sec. 1.

Var. $15^{\circ} 06' E$.

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At 39.64 I find the
1/4 sec. cor. and at
79.58 the original
cor. to Sp. 23 and 24
N.R. 7 and 8 E. and
at 83.27 the b.c. to Sp.
23 N.R. 7 and 8 E.

August 11, 1894.

Latitudes depart

Line designated	True bearing
W. bdy. Secs. 6, 7, 18 + 19	North
N. boundary.	East
E. bdy. Secs. 1, 2, 13, 24, 25	South
D. bdy. Sec. 25	West
D. bdy. Sec. 26	N. 89° 48' W.
W. bdy. Secs. 23 & 26	N. 0° 1' W.
D. bdy. Sec. 15	S. 89° 51' W.
W. bdy. Sec. 15	N. 0° 2' W.
N. bdy. Sec. 16	S. 89° 59' W.
W. bdy. Sec. 16	S. 0° 3' E.
N. bdy. Sec. 20	S. 89° 54' W.
W. bdy. Sec. 20	S. 0° 3' E.
D. bdy. Sec. 19	N. 89° 53' W.
Convergency	

Error

ures and closing errors.

Dist.	Latitudes		Departures	
	N.	S.	E.	W.
320.00	320.00			
479.88			479.88	
400.58		400.58		
85.37				85.37
79.04	.28			79.04
160.00	160.00			.05
79.41		.21		79.41
80.00	80.00			.05
79.62		.02		79.62
80.00		80.00	.07	
79.23		.14		79.23
80.00		80.00	.07	
78.54	.16		51	78.54
Totals	560.44	560.95 560.44	480.53	481.31 480.53
in lat.		.51 Error in dep.		.78

General Description

This township is situated in the center and on the North slope of the San Francisco group of mountain peaks. The center portion is unsurveyable on account of the high mountain peaks. The whole township,

is covered with fine bodies of pine, spruce, fir and balsam together with a dense undergrowth of aspen in many parts. There are several springs of fresh water; Excellent grass grows in all parts.

Charles E Perkins

Compassman

US Deputy Surveyor

Field Notes
of the Survey of the
East & South Boundaries
of
Township No 20. N. R. 2 East
of the
G. & S. R. Base & Meridian
in the
Territory of Arizona
as surveyed by
Francis W. Cury
U.S. Deputy Surveyor
Charles E. Perkins
Compassman & U.S. Dep. Surv.
Under contract No 31.
Dated June 21, 1893.

Survey commenced Sept 18th 1894
Survey completed Sept. 19th 1894

East Exterior Bdy. of T. 20 North

Chains Survey commenced
Sept 18th 1894 with a W.
& L. E. Gurley solar
transit

At the Standard
cor. to Tps 21 N. R's 2 &
3 E. I verify the adjust-
ments of my transit
and find them
correct I set off $1^{\circ}40'$
N. on the decl. arc, and
at $11^{\text{h}}54^{\text{m}}$ a.m. l.m.t.
observe the sun on the
meridian; the re-
sulting lat is $35^{\circ}07'N$
the true lat. nearly
Sept 19th at 7 a.m.
l.m.t I set off $35^{\circ}07'N$
N. on the lat. arc $1^{\circ}23'N$.

Range 2 East.

Chains on the decl. arc. and determine a true meridian with the solar; the resulting mean var is $13^{\circ} 51' E$.

In accordance with my special instructions ^{page 2} I proceed to the Standard cor. to Sp 21 N. Ris 2 + 3 E. which is a post firmly set and properly marked and witnessed as described in the field notes furnished by the Surveyor General.

Thence I run West on a true

East Exterior Bdy of Tps. 20

Chains ^{5th} line along the stand
 ard ^{for N.} for a distance
 of 4.00 chs. where I
 establish the closing
 cor. to Tps. 20 N. R's
 2 + 3 E. as follows

This point falling
 on a flat sandstone
 in place which I
 mark with a cross
 (X) at exact cor point
 for closing cor to
 Tps. 20 N. R's 2 + 3
 E. marked @ @ on S
 with 6 notches on
 S. E. + W. of cross
 and raised a mound
 of stone $1\frac{1}{2}$ ft. high
 2 ft. base alongside

North Range 2 E - Cont'd.

Chains from which

A pine 40 ins.
diam. brs. S. $86^{\circ}20'$ E. 65
lks. dist. marked J. 20
A. R. 3 E. D. 6 B. J.

A pine 20 ins. diam.
brs. S. $61^{\circ}03'$ W. 76 lks.
dist. marked J. 20 N. R.
2 E. D. 1 B. J.

A pine 16 ins. diam.
brs. N. $51^{\circ}23'$ W. 96
lks. dist. marked 6.6
J. 20 N. R. 24 E.
S. 36. B. J.

Thence I run
south on a true
line bet. secs. 1 & 6.
Var. $13^{\circ}51'$ E.

Over rolling land

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East Exterior Bay of I. 20

Chains through timber

40.26 Set a Malpais stone

20 x 14 x 9 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

A pine 16 ins. diam.

br. S. 87° 21' W. 54

lks. dist. marked 1/4

A. B. D.

A pine 16 ins. diam.

br. S. 35° 10' E. 80 lks.

dist. marked 1/4 A. B. D.

41.00 Descend 30 ft

46.85 Foot of descent,

North Range 2 E - Conts.

- Chains. Small wash course
S.E.
- 53.00 Road course N.W.
and S.E.
- 56.00 Log and bush fence
across line. Course
N.W. x S.E.
Enter Wagners
pasture.
- 59.27 Pine 30 ins diam
on line which I
mark with 2 notches
on N. & S. sides.
- 68.16 Pine 34 ins diam.
on line which I
mark with 2
notches on N. & S. sides
- 77.26 Pine 44 ins diam
on line which I

East Exterior Bdy of T. 20

Chains, mark with 2

notches on N. & S. sides.

80.26 Set a malpais stone
24 x 14 x 12 ins. 18 ins.

in the ground for
cor to Secs. 1, 6, 7 and
12 mark with 1
notch on N. and 5
notches on S. edges
and raised a mound
of stone 1 1/2 ft. high
2 ft. base alongside
from which

A pine 8 ins diam.
brs. N. 4° 22' E. 86 lks.
dist. marked T. 20 N.
R. 3 E. A 6 B 9.

A pine 16 ins diam.
brs. S. 11° 31' E. 11 lks.

North Range 2 E. Contd.

Chains dist. marked T. 20. N. R.
3 E. S. 7 B. J.

A pine 8 ins diam.
bears S. $87^{\circ}12'$ W. 26
lks dist. marked
T. 20 N. R. 2 E. S. 12
B. J.

An Oak 8 ins diam.
bears N. $18^{\circ}34'$ W. 86 lks
dist. marked T. 20
N. R. 2 E. S. 1 B. J.

Land rolling
Soil stony 2nd & 3rd rate
Timber pine.
Heavily timbered
land 80.26 chains.

South on a true
line bet secs. 7 & 12

152.

East Exterior Bdy of Tp. 20

Chains. Var $13^{\circ} 51' E$.Overrolling land
through timber20.96 A pine 16 ins. diam.
bore line which I
mark with 2 notches
on N. and S. sides.

36.00 Descend 100 ft.

38.00 Brush and pole fence
across line course
E. & W. and leave
Wagoner's pasture.

39.00 Foot of descent

40.00 Set a sandstone $14 \times 12 \times 8$
ins. quins. in the
ground for $\frac{1}{4}$ sec. cor
marks $\frac{1}{4}$ on W. face,
and raised a mound
of stone $1\frac{1}{2}$ ft. high

North Range 2 E - contd.

Chains 2 ft. base alongside
from which.

An Oak 6 ins. diam.
br. S. $51^{\circ}30'W$. 19 lks
dist. marked 1/4 S. B. J.

An oak 6 ins. diam.
br. S. $18^{\circ}16'W$. 36 lks
dist. marked 1/4 S. B. J.

40.80 Ravine 4 ft. deep,
course N. E.

Ascend 100 ft.

46.00 Top of ascent, ridge,
course N. E. & S. W.

Descend 100 ft.

50.82 A pine 18 ins diam.
br. line which I
mark with 2 notches
on N. & S. sides

59.00 Foot of descent,

East Exterior Bay of Sp. 20

Chains ravine course N.E.

Ascend 350 ft.

76.00 Top of ascent ridge
course N. 6° W. & S.
 32° E.

Descend 40 ft. to

80.00 Set a sandstone

18x12x10 ins. 12 ins.

in the ground for

cor to secs. 7, 12, 13

& 18 marked with

2 notches on N. and

4 notches on S.

edges and raised

a mound of stone

1 1/2 ft. high 2 ft. base

alongside from

which

An oak 8 ins. diam

North Range 2 E - Contd.

Chains, bs. N. $38^{\circ}32'$ E. 24 lks
 dist. marked T. 20
 N. R. 3 E. S. 7 B. T.

A pine 12 ins. diam.
 bs. S. $66^{\circ}14'$ E. 47 lks
 dist. marked T. 20
 N. R. 3 E. S. 18 B. T.

A pine 16 ins. diam
 bs. S. $53^{\circ}32'$ W. 117 lks.
 dist. marked T. 20 N.
 R. 2 E. S. 13 B. T.

An oak 10 ins. diam.
 bs. S. $76^{\circ}30'$ W. 157 lks.
 dist. marked T. 20
 N. R. 2 E. S. 12 B. T.

Land rolling and
 mountainous.

Soil rocky 2nd + 4th
 rats.

East Exterior Bdy of Tp. 20

Chains Timber pine, with
some oak brush.

Mountainous or heavily
timbered land, 80 chs.

South on a true
line bet secs. 13+18.

Var $13^{\circ}51' E$.

Over rolling land
through timber.

11.00 Descend 350 ft.

32.00 Foot of descent.

From this point a
spring + sheep corral
by H. $41^{\circ}30' W$. 9 chs.
dist.

40.00 Set a malpais stone
 $20 \times 16 \times 12$ ins. 15 ins. in
the ground for $1/4$ sec.

North Range 2 E - contd.

Chains cov. 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 25 ins. diam
brs N. $57^{\circ} 21'$ W. 49 lks
dist. marked $\frac{1}{4}$ S. B. J.

An oak 13 ins. diam.
brs S. $42^{\circ} 0.4'$ E. 134 lks
dist. marked $\frac{1}{4}$ S.
B. J.

80.00 Set a sandstone
 $16 \times 10 \times 10$ ins. 10 ins. in
the ground for cov to
sec. 13, 18, 19 + 24
marked with 3 notches
on N. and S. edges
and raised a mound

East Exterior Bdy of Twp. 20

Chains of stone $1\frac{1}{2}$ ft. high
2 ft. base alongside
from which

A pine 19 ins. diam.
brs. N. $8^{\circ} 40'$ E. 27 lks. dist.
marked T. 20 N.R. 3 E. A.
18 B.G.

A pine 20 ins. diam.
bears S. $47^{\circ} 21'$ E. 67 lks.
dist. marked T. 20 N.R.
3 E. A. 19 B.G.

A pine 22 ins. diam.
brs. S. $42^{\circ} 16'$ W. 84 lks.
dist. marked T. 20 N.R.
4 E. A. 24 B.G.

A pine 21 ins. diam.
brs. N. $35^{\circ} 35'$ W. 102 lks.
dist. marked T. 20 N.R.
4 E. A. 13 B.G.

North Range 2 E - contd.

Chains: Land mountainous and rolling.

Soil rocky 3rd & 4th rate.

Timber pine, with some oak bush.

Mountainous or heavily timbered land. 80 chs.

South on a true line
bet secs. 19 and 24.

Var, $13^{\circ} 51' E$.

Over broken land,
through timber

74 A juniper 24 ins. diam.
on line which I mark
with 2 notches on N.
& S. sides.

2.00 Descend 100 ft.

7.33 Pine 18 ins diam.

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East Exterior Bdu of Sp 20

Chains on line which I mark
with 2 notches on N.
& S. sides

16.50 Foot of descent and bed
of ravine 4 ft. deep,
course N. 61° E.

Ascend 100 ft.

38.10 Top of ascent.

Pine 25 ins. diam. on
line which I mark
with 2 notches on N.
& S. sides.

40.00 Set a malpais stone
20 x 14 x 12 ins. 15 ins.
in the ground for 1/4
sec. cov. marked 1/4 on
W. face and raised
a mound of stone
1 1/2 ft. high 2 ft. base

North Range 2 E. contd.

Chains alongside from which

An oak 12 ins. diam.
bears N. $48^{\circ} 14'$ E. 24
lks. dist. marked $\frac{1}{4}$ S.
B.F.

An oak 12 ins. diam.
bears N. $71^{\circ} 43'$ E. 25 lks.
dist. marked $\frac{1}{4}$ S. B.F.

63.00 Descend 750 ft.

79.00 Foot of descent,
ravine 6 ft. deep
course S. 30° E.

80.00 Set a malpais stone
 $20 \times 10 \times 8$ ins. 15 ins. in
the ground for cor to
Secs. 19, 24, 25 & 30
marked with 4 notches
on N. and 2 notches
on S. edges and

East Exterior Bay of I. 20

Chains raised a mound of stone $1\frac{1}{2}$ ft. high 2 ft. base alongside, from which

A pine 16 ins diam.
br. A. $46^{\circ} 38' E$. 89 lks
dist. marked I. 20 N.
R. 3 E. A. 19 B. J.

A pine 22 ins. diam.
br. A. $37^{\circ} E$. 84 lks. dist.
marked I. 20 N. R. 3 E. S.
30 B. J.

A pine 8 ins. diam.
br. A. $66^{\circ} 30' W$. 110 lks.
dist. marked I. 20 N.
R. 2 E. A. 25 B. J.

An oak 12 ins diam.
br. A. $98^{\circ} 46' W$. 77 lks.
dist. marked I. 20 N. R.

North Range 2 E. - Contd.

Chains 2 E. S. 24 B. T.

Land rolling and
mountainous.Soil rocky 3rd + 4th rate.
Timber pine.Mountainous or heav-
ily timbered land.
80 chs.South on a true
line bet secs. 25 + 30Var. $13^{\circ} 51' E.$ Over rolling land
through timber.6.40 A pine 18 ins. diam.
on line which I mark
with 2 notches on N.
and S. sides.

19.00 Descend 150 ft. into

East Exterior Day of Sp. 20

Chains, cañon

24.00 Bed of cañon, course
S. 8° W.

Ascend 150 ft.

29.00 Top of ascent.

Thence along E. edge
of cañon39.00 Descend 200 ft. into
cañon44.00 Set a malpais stone
18 x 14 x 12 ins. 12 ins. in
the ground for 1/4
sec. cor. marked 1/4 on
W. ~~of~~ face and raised
a mound of stone
1 1/2 ft. high 2 ft. base
alongside, from which
An oak 8 ins. diam
br. S. 40° 19' E. 45 lbs

North Range 2 E - Centd.

Chains. dist. marked $1/4$ D. B.T.
 An oak 10 ins. diam.
 br. S. $57^{\circ} 29'$ E. 39 lks
 dist. marked $1/4$ D.
 B.T.

55.33 A pine 30 ins diam.
 on line which I
 mark with 2 notches
 on N. and S. sides

58.15 Bottom of canon
 course S. 6° E.
 Ascend 50 ft.

66.00 Top of ascent ridge
 course E. + W.
 Descend 75 ft.

71.00 Foot of descent.
 In bed of canon course
 S. W.

72.79 Pine 8 ins. diam. on

East Exterior Bdy of Sp. 20

Chains line which I mark
with 2 notches on N. & S.
sides

78.19 A pine 36 ins diam.
on line which I mark
with 2 notches on N.
& S. sides

80.00 Set a malpais stone
28 x 16 x 8 ins 21 ins in the
ground for cor to secs
25, 30, 31 and 36 marked
with 5 notches on N.
and 1 notch on S. edges
and raised a mound
of stone 1 1/2 ft. high
2 ft. base alongside,
from which

An oak 6 ins diam.
br. S. 74° 34' E. 101 lks

North Range 2 E - Contd.

Chains. dist. marked T. 20 N. R.
3 E. S. 31 B. J.

A pine 20 ins. diam.
brs. S. $8^{\circ} 39'$ E. 76 lks. dist.
marked T. 20 N. R. 3 E. S.
31 B. J.

A pine 20 ins diam
beats S. $72^{\circ} 36'$ W. 148
lks. dist. marked T. 20
N. R. 2 E. S. 36 B. J.

An oak 6 ins diam. brs.
N. $13^{\circ} 09'$ W. 56 lks. dist.
marked T. 20 N. R. 2 E.
S. 25 B. J.

Land mountainous
Soil rocky 4th rate.
Timber pine
mountainous or heavily
timbered land 80 chains

East Exterior Boundary of Tp. 20

Chains. South on a true line
bet secs. 31 & 36

Var. $13^{\circ}51' E$

Over broken land
through timber.

19.00 Descend 200 ft. into
cannon

38.00 Bed of canon, course
 $S. 1^{\circ} E.$

Ascend 200 ft.

40.00 Set a sandstone
 $24 \times 13 \times 13$ ins. 18 ins. in
the ground for $1/4$ sec.
cor. marked $1/4$ on W.
face and raised a
mound of stone $1/2$
ft. high 2 ft. base
alongside from which
A pine 28 ins. diam

North Range 7 E - Contd.

Chains brs. S. $14^{\circ}16'$ E. 63 lks
 dist. marked $1/4$ S. B. I.

An oak 12 ins. diam.
 brs. S. $27^{\circ}55'$ W. 75 lks.
 dist. marked $1/4$ S. B. I.

53.00 Top of ascent.

Descend over broken land
 150 ft.

57.62 A pine 19 ins. diam. on
 line which I mark
 with 2 notches on N. and
 S. sides

63.00 Foot of descent

Thence over rolling land.

68.58 Pines 14 ins. diam. on
 line which I mark
 with 2 notches on N. + S.
 sides.

80.00 Set a sandstone

170. East Exterior Bdy of Tps 20
North Range 7 E = 6 mtd.

Chains. 23x12x10 ins. 18 ins. in
the ground for cor to
Tps. 19 + 20 N. R's 2 and 3
E. marked with 6 notches
on each edge and raised
a mound of stone 2 ft.
high, 3 ft. base, along-
side from which

A pine 14 ins. diam
brs. N. 68° E. 29 lks. dist.
marked T. 20 N. R. 3 E.
A. 31 B. T.

A pine 16 ins. diam
brs. S. 65° 25' E. 59 lks. dist.
marked T. 19 N. R. 3 E. A.
6 B. T.

A pine 10 ins. diam.
brs. S. 77° 02' W. 79 lks.
dist. marked T. 19 N. R.

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South Exterior Part of T₁ 20¹⁷¹.
North Range 2 East.

Chains 2 E. 1 B. T.

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A pine 10 ins. diam.
br. N. $78^{\circ}22'$ W. 100 lks.
dist. marked T. 2. N. R.
2 E. 1 B. T.

Land mountainous and
rolling.

Soil rocky 3 rd rate.

Timber pine.

Heavily timbered or
mountainous land
80 chains.

September 19th 1890

#

At 8.30 A. M. Sept. 19
the magnetic bearing
of the line bet sees.
31 and 36 is $S. 13^{\circ}53'E$

From the cor. to Tps.

South Exterior Bdy of Twp.

Chains 19 and 20 N. Rs. 2 & 3 E.

I run W. on a random line bet said townships, the variation of my compass being $13^{\circ}53'E$.

I set temporary half mile and mile corners at each 40 and 80 chains and find the township line to be 5 miles and 78.70 chains long and the falling to be 4.23 chs. N. of cor. to Tps. 19 & 20 N. Rs 1 & 2 E. which is a stone firmly set and properly marked and witnessed as described in the field notes furnished

20 North Range 2 E- contd.

chains by the Surveyor General
I obliterate all marks
which refer to survey
on the east.

At point of intersection
I set a malpais stone
28x18x12 ins. 21 ins. in
the ground for closing
cor. to Tps. 19+20 N. R. 2 E.
marked C.C. on E. face
with 6 notches on N. S.

+ E. faces marked and stone 24 high
3 ft high, always 24.
C.C. 10/10
Thence I run

East on a true line bet.
secs. 6 + 31

Var $13^{\circ} 53' E.$

Over broken land.

9.00 Descend 120 ft. to
canon

South Exterior Bdy of Tp 20

Chains.

- 13.00 Bed of canon course S.
Ascend 150 ft.
- 20.00 Top of ascent
Descend 200 ft. into
canon
- 26.00 Bed of canon course S.
Ascend 200 ft.
- 32.00 Top of ascent
- 38.70 Set a malpais stone
16x16x10 ins. 10 ins. in
the ground for $\frac{1}{4}$ sec.
cov. 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 12 ins diam

North Range 2 E = leontd.

chains. brs. N. $6^{\circ} 2'$ E. 16 lks dist,
marked 1/4 S. B. T.

A cedar 8 ins. diam
brs. S. $4^{\circ} 28'$ W. 23 lks
dist. marked 1/4 S. B. T.

46.75 Descend 50 ft. to

53.00 Descend 250 ft. into
Canon.

67.00 Bed of Canon course
S. W.

Ascend 200 ft.

72.00 Top of ascent

Descend 100 ft. into
Canon

76.00 Bed of canon, course S. W.

Ascend 100 ft.

78.00 Top of ascent

78.70 Set a malpais stone

12x10x10 ins. 8 ins. in the

Southern Exterior Body of T_p 20

Chains. ground for cor to secs
5, 6, 31 & 32 marked with
5 notches on E. and 1
notch on W. edges and
raised a mound of
stone 1 1/2 ft. high 2 ft.
base, alongside, from
which

A pine 20 ins. diam.
brs. N. 1° 52' E. 155 lks.
dist. marked T. 20 N.R.
2 E. A. 37 B.F.

A cedar 30 ins. diam.
brs. S. 61° 51' E. 224 lks.
dist. marked T. 19 N.R.
7 E. A. 5 B.G.

A Juniper 16 ins.
diam. brs. S. 31° 08' W.
293 lks dist marked

North Range 2 E-levta.

Chains T. 19 N. R. 2 E. S. 6 T. 9.

A pine 6 ins diam
 br. N. $7^{\circ}18'$ W. 155 lbs.
 dist. marked T. 20 N. R.
 2 E. S. 31 T. 9.

Land broken and rough
 Soil worthless

No timber, some cedar
 and pinon brush
 Mountainous land
 78.70 chs.

East on a true line
 bet sees 5 & 39

Var $13^{\circ}59'$ E.

Over broken land

8.00 Ascend 200 ft.

13.00 Top of ascent.

All road N. 45.

South Exterior Bdy of T_p. 20

Chains.

- 40.00 Set a malpais stone
16x16x10 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 which
Pits impracticable.
- 51.00 Descend 500 ft. into
Canon.
- 64.00 Bed of Canon, course
South
Ascend 500 ft.
- 76.00 Top of ascent.
- 80.00 Set a malpais stone
30x27x17 ins. 21 ins.
in the ground for cor.

North Range 7 E-Contd.

Chains to Secs. 4, 5, 32 + 33

marked with 4 notches
on E. and 2 notches
on W. edges and
raised a mound of
stone $1\frac{1}{2}$ ft. high 2 ft.
base alongside from
which

A Juniper 20 ins. diam.
br. N. $3^{\circ}48'$ E. 250 lbs.
dist. marked J. 20 N.R.
2 E. A. 33 R. 9.

A Juniper 20 ins. diam.
br. S. $15^{\circ}10'$ W. 242 lbs.
dist. marked J. 19 N.R.
2 E. A. 5 R. 5.

A Juniper 18 ins.
diam. br. N. $8^{\circ}26'$ W.
290 lbs. dist. marked

South Exterior Bay of Tp. 20

Chains. T. 20 N. R. 2 E. S. 32 T. 20

A Juniper 16 ins diam
br. N. $79^{\circ}11'$ W. 302 lks.

dist. marks T. 20

N. R. 2 E. S. 32 T. 20

Land broken and
mountainous.

Soil rocky worth-
less.

No timber some
Juniper brush.
mountainous land
80. chains.

East on a true line
bet. secs. 4 + 33.

Var. $15^{\circ}31'$ E

Over rolling land.

4000 A malpais rock

North Range 7 E. Contd.

Chains in place $2 \times 2 \times 1$ ft. above ground which I mark with a cross (X) at exact ^{cor} point for $1/4$ sec. cov. with $1/4$ on N. of Cross and raised a mound of stone $1\frac{1}{2}$ ft. high 2 ft. base alongside from which

A cedar 12 ins. diam. br. N. $14^{\circ} 18'$ E. 69 lks. dist. marked $1/4$ D. B. J.

A Juniper 20 ins. diam. br. S. 1° E. 207 lks. dist. marked $1/4$ D. B. J.

Ascend gradually
100 ft.

53.00 Top of ascent, ridge

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BOOK 1445

South Exterior Bdy of Twp. 20

Chains course N. + S.

Descend 50 ft.

64.00 Foot of descent

Ascend gradually
150 ft. to

80.00 Set a sandstone

16 x 14 x 12 ins. 10 ins. in
the ground for cor
to Secs. 3, 4, 33 + 34

marked with 3 notches
on E. + W. edges and
raised a mound of
stone 1 1/2 ft. high
2 ft. base along-
side, from which

A Juniper 30 ins
diam. bet. N. 30 + 34
E. 194 lks. dist.
marked T. 20 N. R.

North Range 7 E. Carta.

Chains. 2 E. S. 34 B.T.

A Juniper 36 ins. diam.
 brs. S. $40^{\circ}32'$ E. 166 lks.
 dist. marked T. 19 N.R. 2 E.
 S. 3 B.T.

A Juniper 30 ins. diam.
 brs. S. $9^{\circ}33'$ W. 211 lks. dist.
 marked T. 19 N.R. 2 E. S.
 4 B.T.

- A pine 20 ins. diam.
 brs. N. $48^{\circ}22'$ W. 333 lks.
 dist. marked T. 20 N.R.
 2 E. S. 33 B.T.

Land broken & rolling
 Soil rocky 4th rate.

Timber, some scattering
 pine and juniper.

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BOOK 1445

South Exterior Bdy of T_p 20

Chains. East on a true line
bet. secs. 3+34

Var. $13^{\circ}53'$ E.

Over rolling land
Ascend 10 ft.

2.00 Top of ascent and
descent

24.00 Descend into canon
200 ft.

28.00 Bottom Canon, Course
S. W.

Ascend 200 ft.

33.00 Top of ascent
Thence over rolling
land.

Enter scattering
timber pine

40.00 Set a malpais stone
20+14+12 ins. 15 ins.

North Range 2 E. contd.

Chains in the ground for $1/4$ sec. cor. marked $1/4$ on N. face and raised a mound of stone $1\frac{1}{2}$ ft. high 2 ft. base along-side, from which

A pine 12 ins. diam. brs. S. $60^{\circ}32'$ W. 138 lks. dist. marked $1/4$ S. B. 9.

A pine 12 ins. diam. brs. N. $33^{\circ}29'$ W. 129 lks. dist. marked $1/4$ S. B. 9.

59.37 A pine 36 ins. diam. on line which I mark with 2 notches on E. & W. sides

77.87 A pine 12 ins. diam. on line which I mark with 2 notches on E & W.

South Exterior Bay of Sp. 20

Chains. sides

80.00 Set a malpais stone
 14x12x10 ins. 9 ins. in
 the ground for cor to
 secs. 2, 3, 34 & 35 marked
 with 2 notches on E.
 & 4 notches on W. edges
 and raised a mound
 of stone 1 1/2 ft. high
 2 ft. base, alongside,
 from which

A pine 12 ins. diam
 brs. N. 37° 44' E. 31 lks.
 dist. marked T. 20 N.
 R. 2 E. S. 35 B. J.

A pine 16 ins diam
 brs. S. 28° 14' E. 96 lks.
 dist. marked T. 19 N. R.
 2 E. S. 7 B. J.

North Range 2 E - Contd.

Chains a pine 14 ins. diam.
 brs. S. 69° W. 25 lks. dist.
 marked J. 19 N. R. 2 E.
 A. 3 B. J.

A pine 36 ins. diam.
 brs. N. $55^{\circ} 32'$ W. 60 lks.
 dist. marked J. 20 N. R.
 2 E. A. 34 B. J.

Land rolling.

Soil stony 3rd rate.

Timber scattering
 pine.

East on a true line

but secs 2 & 35-

Var. $13^{\circ} 45'$ E.

Over rolling land.

2100 Ravine 5 ft. deep,
 course A.

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BOOK 1445

South Exterior Bdy of T. 20

Chains.

23.83 A pine 20 ins. diam.
on line which I
mark with 2 notches
on E. & W. sides

Ascend gradually
80 ft.

33.95 A pine 10 ins. diam.
on line which I
mark with 2 notches
on E. & W. sides

40.00 Set a malpais
stone $23 \times 12 \times 10$ 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 2 ft. base

North Range 2 E-levanta.

Chains alongside from which

A pine 31 ins diam
 br. N. $16^{\circ} 8'$ W. 24 lks.

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

A pine 43 ins. diam.
 br. S. $56^{\circ} 49'$ W. 60 lks.

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

43.00 Top of ascent

80.00 Set a malpais stone

30 x 20 x 17 ins. 21 ins.

in the ground for cor. to
 Secs. 1, 7, 35 + 36 marked
 with 1 notch on E. and
 5 notches on W. edge,
 and raised a mound
 of stone $1\frac{1}{2}$ ft. high
 2 ft. base alongside
 from which

A pine 10 ins diam.

South Exterior Bdy of Tp. 20

Chains. brs. N. $33^{\circ}54'$ E. 197 lks.
 dist. marked T. 20 N. R.
 2 E. S. 36 B. G.

A pine 20 ins. diam.
 brs. S. $64^{\circ}49'$ E. 80 lks.
 dist. marked T. 19 N. R.
 2 E. S. 1 B. G.

A juniper 20 ins.
 diam. brs. S. $52^{\circ}19'$ W.
 248 lks. dist. marked
 T. 19 N. R. 2 E. S. 4 B. G.

A juniper 20 ins.
 diam. brs. N. $67^{\circ}36'$
 W. 40 lks. dist. marked
 T. 20 N. R. 2 E. S. 35
 B. G.

Land rolling
 Soil stony, 3rd rate.
 Timber pine.

North Range 2 E - contd.

Chains East on a true line
bet secs 1736

Var. $13^{\circ} 53'$ E

Over rolling land.

18.00 Small wdk course
A.

Ascend gradually 35 ft.

21.00 Top of ascent

40.00 Set a malpais stone

14x12x10 ins. pins

in the ground for $\frac{1}{4}$

sec. cn. 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 pine 20 ins. diam.

brs. A. $49^{\circ} 18'$ E. 8 lts

192. South Exterior Bdy of T. 20
North Range 2 E. Contd.

Chains dist. marked 1/4

BOOK 1445

S. B. G.

An oak 8 ins. diam.
brs. N. 22° 04' W. 46
lks. dist. marked
1/4 S. B. G.

41.10 Wash 3 ft. deep,
course S. E.

42.75 Pine 34 ins. diam. on
line which I mark
with 2 notches on E.
& W. sides

70.00 A Juniper 30 ins
diam. on line which
I mark with 2
notches on E. & W
sides.

80.00 The cor to Tps.
19 & 20 N. Rs 2 & 3 E.