No 411

BOOK 411

4–671

FIELD NOTES

GENERAL LAND OFFICE.

Subdivision

Township 22 N. R. 1 East

No. 411

Index

(4—674.)

Township 22 N. R. 1 E.

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6—389

Field Notes

of the survey of the

Sub-division lines

of

Township No. 22 North, Range 1 East

of the

Gila and Salt River Base and Meridian

in the

Territory of Arizona

as surveyed by

Francis W. Avery.

U. S. Deputy Surveyor

Charles E. Perkins

Compassman and U. S. Deputy Surveyor

under Contract No. 31.

Dated June 21, 1893.

Survey commenced May 7, 1894.

Survey completed May 12, 1894.

BOOK 411.

Page 3 is blank

Subdivisions

chs.

Survey commenced May 7th, 1894, with a N. and S.E. Gurley solar transit. Preliminary to commencing the subdivision of this Township, I go to the cor. to Tps. 21 and 22 N. Rs 1 and 2 E., which is a stone firmly set and properly marked and witnessed as described in the field notes furnished by the Surveyor General.

I verify the adjustments of my instrument and find them correct.

Latitude 35° 1¾' N, Long. 112° 12' W.

T. 22 N. R. 1 E

chs | Having set the instrument
over the center of the Sp.
cor. and
at 7h a.m. l. m. t. I set
off 35° 13' N. on the lat. arc,
16° 56' on the decl. arc,
and determine a true
meridian with the solar
I find the variation of the
needle to be 14° 50' East,
therefore the mean var-
iation is 14° 47' East.
Thence I run
North on East bdy of sec. 36.
                Var. 14° 47' East.
Over rolling land and at
40.04 chs. find 1/4 sec. cor,
at 80.10 chs cor. to secs. 25, 30
31 & 36 The bearing of the range

Subdivisions

chs | line is N. agreeing with
the field notes furnished
by Surveyor General.
I now return to cor to secs.
1. 6. 31 & 36 on S. bdy of Tp.
Thence I run
S 89°48' W. along S. bdy sec. 36.
     Var. 14° 47' East
at 39.98 chs I find 1/4 sec.
cor. 5 lks. N. and at 80.07
chs. find the cor. to secs. 35
and 36, 2 lks. N. of my line.
The true course of the
South bdy of sec. 36 is
therefore S. 89° 48' W.
   My chaining practically
agrees with the original
survey.

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

chs	
	I commence at the cor. to secs 1, 2, 35 and 36, on S. bdy of the Tp, which is a stone firmly set and properly marked and witnessed as described in the field notes furnished by Surveyor General.

Thence I run
N. 0° 1' W. bet secs. 35 and 36.
Var. 14° 47' East.

Over broken and mountainous land.
ascend 300 ft.

7.00	Enter dense oak brush.
13.00	Top of round red hill.
	Descend 700 ft.
31.00	Leave dense brush, enter scattering pine

Subdivisions

chs.	
40.00	Set a malpais stone 18×14 ×12 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone 1½ ft high, 2 ft. base, along-side, from which
	a Pine 8 ins. diam. brs. N. 40° E. 47 lks. dist marked 1/4 S. B.T.
	a Pine 28 ins diam. brs N. 38°15' E. 51 lks. dist. marked 1/4 S. B.T.
41.50	Foot of descent. Ravine 4 ft. deep, course W. ascent 100 ft.
51.00	Top of ascent. Thence over rolling land.

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

chs	
76.00	ascend 80 ft.
80.00	Top of ascent

Set a malpais stone 20 × 16 ×
12 ins. 15 ins. in the ground
for cor. to secs. 25, 26, 35 and
36, marked with 1 notch on
S. and E. edges, and raised a
mound of stone 1½ ft. high,
2 ft. base, alongside, from
which

a Pine 20 ins. diam. brs.
N. 2° 15' E. 110 lks. dist.
marked T. 22 N. R. 1 E. S. 25 B.T.

a Pine 6 ins. diam. brs.
S. 25° 17' E. 208 lks. dist.
marked T. 22 N. R. 1 E. S. 36 B.T.

a Pine 28 ins. diam. brs.
S. 30° 15' W. 185 lks. dist. marked
T. 22 N. R. 1 E. S. 35 B.T.

Subdivisions

chs	a Pine 10 ins. diam. brs.
	N. 5° 05' W. 107 lks. dist.
	marked T. 22 N. R 1 E. b. 26 B.T.
	Land, broken and mountainous.
	Soil, stony, 2d rate.
	Timber, pine and oak brush.
	Mountainous or timbered
	land 80 chs.
	N. 89° 48' E. on a random line
	bet secs. 25 and 36.
	Var. 13° 27' East.
	at this point the variation
	decreased on account of
	local attraction.
40.00	Set temporary 1/4 sec cor.
79.97	Intersect the E. bdy. of the
	Tp. 7 lks. N. of cor to secs.
	25, 30, 31 and 36, which is

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

chs	
	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° 51' W. on a true line bet secs. 25 and 36.
	Var. 14° 48' East. Over nearly level land.
39.98	Set a malpais stone 16 x 14 x 12 ins. 11 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 Pine 50 ins. diam. brs. N. 67° E. 106 lks dist marked

Subdivision

chs	1/4 S. B.T.
	a Pine 20 ins. diam. brs.
	S. 50° 17' E. 109 lks dist.
	marked 1/4 S. B.T.
40.75	Road from Williams to
	Black Tanks, course N. W.
	and S. E.
67.00	ascent 80 ft.
79.97	The cor. to secs. 25, 26, 35 & 36.
	Land, gently rolling.
	Soil, stony, 2d and 3d rate.
	No timber

	N. 0° 1' W. bet. secs. 25 and 26.
	Var. 14° 47' East
	over broken land, through
	timber.
7.00	Descent 85 feet.
13.00	Foot of descent, and

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

chs.	ascent 40 ft.
17.30	Top of round hill, and descent 100 ft.
23.70	Foot of descent, ravine, 3 ft. deep, course W. ascent 100 ft.
40.00	Set a malpais stone 20 x 18 x 16 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 10 ins. in diam- bs. N. 7° 15' W. 65 lks. dist marked 1/4 B.B.T. an oak 8 ins. diam bs. N. 13° 21' W. 71 lks. dist. marked 1/4 B. B.T.

Subdivisions

chs	
45.00	Road, course E. and W.
52.00	Top of round hill
	Descent 150 ft.
76.00	Leave timber, enter open park; foot of descent.
81.00	Set a malpais stone 14 x 10 x 10 ins. 9 ins. in the ground for cor. to secs. 23, 24, 25 and 26, marked with 2 notches on S. and 1 notch on E. edges, and raised a mound of stone 1½ ft high, 2 ft. base, alongside. Pits impracticable

Land, rolling, hilly.
Soil, stony, 2ᵈ and 4th rate.
Timber, pine with some oak
mountainous or heavily

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

| chs | timbered land 76 chs. |

N. 89° 51' E. on a random line
bet secs. 24 and 25.

        Var. 140 47' East.

| 40.00 | Set temporary 1/4 sec. cor. |
| 79.93 | Intersect the E bdy of the |

Tp. 9 chs S. of cor to secs.
19, 24, 25 and 30, which is a
stone firmly set and prop-
erly marked and witnessed
as described in the field
notes furnished by Sur-
veyor General.
Thence I run
S. 89° 47' W. on a true line
bet. secs 24 and 25.

        Var. 140 47' East
over mountainous land,

Subdivisions

chs	through scattering timber. Ascent 600 ft.
17.00	Top of ascent and descent 700 ft.
31.00	Foot of descent, ravine 4 ft deep, course S. W. Enter dense oak brush.
39.96	Set a malpais stone 20 x 16 x 14 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, alongside, from which an oak 6 ins. diam. brs. N. 27° E. 21 lks. dist. marked 1/4 S. B.T. An oak 6 ins. diam. brs. N. 53° 15' E. 23 lks. dist.

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

chs	marked 1/4 B. B. T.
42.00	Leave dense brush
52.62	Road course N W and S. E
69.00	Leave timber, open park
	Descend 25 ft.
79.93	The cor. to secs 23, 24, 25 and 26

Land, mountainous and
rolling.

Soil, rocky, 4th rate.

Timber, pine with some
brush

Mountainous or heavily
timbered land 69.00 chs.

No 1 W. bet. secs. 23 and 24.
Var. 140 47' East.

Over open rolling land.

13.00	Enter scattering pine
15.00	Leave timber

Subdivisions

chs	
26.00	Descent 25 ft.
30.00	Foot of descent
40.00	Set a mespais stone 18 x 14 x 12 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone 1½ ft high, 2 ft. base, alongside, Pits impracticable
	From this cor. a post, marked $\frac{W}{m}$ brs N. 21° 05' W. about 1/4 of a mile dist.
48.00	Road from Williams to Black Tanks, course N.W. and S.E.
49.00	ascent 80 ft.
49.50	Enter scattering pine.
64.00	Top of ascent

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

chs	
80.00	Set a malpais stone 14×10 ×9 ins 9 ins. in the ground for cor. to secs 13, 14, 23 and 24, marked with 3 notches on S. and 1 notch on E. edges and raised a mound of stone 1½ ft high, 2 ft base, along-side, from which

a Juniper 16 ins. diam.
brs. S. 620 E. 168 lks dist.
marked T. 22 N. R. 1 E S. 24 B.T.
No other trees within limits
Land, rolling.
Soil, stony; 2d and 3d rate.
Timber, scattering pine

N. 89° 47' E. on a random line
bet secs. 13 and 24.
Var. 14° 47' East.

BOOK 411

Sub-divisions

Chs	
40.00	Set temporary 1/4 sec. cor.
79.90	Intersect E bdy of the Tp.
	13 lks N. of cor to secs.
	13, 18, 19 and 24 which is a
	post firmly set and prop-
	erly marked and witnessed
	as described in the field
	notes furnished by the
	Surveyor General;
	thence I run
	S 89° 53' W. on a true line
	bet. secs. 13 and 24.
	Var. 14° 47' East.
	over broken and rolling land.
	through scattering timber
15.00	ascend 60 ft.
18.50	Top of ascent.
39.95	Set a malpais stone 16x11
	x9 ins. 11 ins. in the

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

chs	
	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 Juniper 15 ins. diam. bes
	N. 43° 09' W. 160 lks. dist
	marked 1/4 B.B.T.
	No other trees within limits
51.00	ascend 35 ft.
58.00	Top of ascent, ridge, course
	N. and S.
	Descend 25 ft.
63.00	Foot of descent.
79.90	The cor. to secs. 13, 14, 23 and 24.
	Land, rolling.
	Soil, stony, 3d rate.
	Timber, scattering pine.

Subdivisions

chs	N. 0° W. bet. secs 13 and 14.
	Var. 14° 47' East.
	Over rolling land, through
	scattering pine.
16.75	Descend, 50 ft.
28.00	Foot of descent, ravine,
	3 ft. deep, course N.W.
28.50	Road, course E. and W.
40.00	Set a malpais stone 14 x
	12 x 10 ins. 9 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 24 ins. diam-
	bvs. S. 21° 11' W. 31 lks dist
	marked 1/4 S. B. T.
	a Pine 30 ins. diam.

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

chs	
	bro. b. 33° 15' E. 10.7 lks. dist
	marked 1/4 B. B.T.
51.00	ascent 60 ft.
67.00	Top of ascent.
70.00	Descent 40 ft.
76.00	Foot of descent.
80.00	Set a malpais stone 24 x 20 x

16 ins. 18 ins. in the ground
for cor. to secs. 11, 12, 13 and
14 marked with 4 notches
on S. and 1 notch on E.
edges, and raised a
mound of stone 1½ ft.
high, 2 ft. base, alongside
from which

a Pine 20 ins. diam. bro.
N. 4° 09' E. 180 lks. dist.
marked T. 22 N R. 1 E b. 12 B.T.
a Pine 30 ins. diam. bro.

Subdivisions

chs	
	S. 46° 11' E. 240 lks. dist
	marked T. 22 N.R. 1 E. S. 13 B.T.
	a Pine 20 ins. diam. brs.
	S. 5° 13' W. 300 lks. dist.
	marked T. 22 N.R. 1 E B. 14 B.T.
	a Pine 20 ins. diam. brs.
	N. 48° 01' W. 210 lks. dist.
	marked T. 22 N.R. 1 E B. 11 B.T.
	Land, rolling.
	Soil, rocky, 4th rate.
	Timber, scattering pine.
	N. 89° 53' E. on a random line
	bet. secs. 12 and 13.
	Var. 14° 47' East.
40.00	Set temporary 1/4 sec. cor.
79.97	Intersect the E. bdy. of the tp.
	7 lks. N. of cor. to secs. 7, 12,
	13 and 18, which is a

Tp 22 N R 1 Test (cont)

chs	stone firmly set and properly marked and witnessed as described in the field notes furnished by the Surveyor General.
	Thence I run
	S 89° 56' W. on a true line bet. secs. 12 and 13.
	Var. 14° 41' East.
	Over rolling land
31.00	Ravine, 7 ft. deep, course N. ascent 40 ft.
37.00	Top of ascent.
39.98	Set a malpais stone 20 × 12 × 8 ins 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stone 1½ ft high, 2 ft base,

Subdivisions

chs	alongside, from which
	a Pine 8 ins. diam; bns
	S 90 W. 85 chs dist. marked
	1/4 B. B.T.
	a Pine 20 ins. diam bns.
	S 47° 13' W. 190 chs. dist.
	marked 1/4 B. B.T.
59.00	ascend 60 ft.
75.00	Top of ascent, ridge, course
	N. and S.
	Descend 30 ft.
79.97	The cor. to secs 11, 12, 13 and 14.

Land, rolling.

Soil, rocky, 3d rate.

Timber, scattering pine

___

N 0° 1' W. bet. secs 11 and 12.

Var. 14° 47' East.

Over broken, and moun.

Tp. 22 N. R. 6 E.   (cont)

cho.	
	tamarac land.
	Descent 40 ft. to
10.00	Ravine, 6 ft. deep, course W.
	ascent 400 ft.
26.00	Top of ridge, course N.W. & S.E.
	Descent 150 ft.
37.70	Foot of descent.
	Ravine, 3 ft. deep, course E.
	Ascent 30 ft.
40.00	Set a malpais stone 20 x 15 x
	11 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 Piñon 8 ins. diam. brs.
	N 48° 31' W. 111 lks. dist
	marked 1/4 S. B.T.

Subdivisions

chs	
	No other trees within limits
	Ascent 300 ft.
51.60	Top of round mountain
	Descent 700 ft.
80.00	Foot of descent

Set a malpais stone 12 x
9 x 7 ins. 8 ins. in the
ground for cor. to secs.
1, 2, 11 and 12, marked with
5 notches on S. and 1 notch
on E. edges, and raised
a mound of stone 1½ ft.
high, 2 ft base, along-
side, from which
a Piñon 8 ins diam. brs.
S. 24° 09′ W. 290 lks. dist
marked T. 22 N R 1 E B 11 S T.
an oak 6 ins diam. brs.
S. 40° 31′ E. 170 lks. dist

Tp. 22 N R 1 East (cont.)

cho	marked 1/22 N R 1 E S. 12 B.T.
	No other trees within limits
	Land, mountainous.
	Soil, rocky 3' and 4th rate.
	Timber, scattering pine

May 9th, 1894.

N. 89° 56' E. on a random line
bet. secs. 1 and 12.

Var. 14047' East

40.00	Set temporary 1/4 sec. cor.
79.90	Intersect E bdy of Tp. 13
	chs. N. of cor. to secs. 16, 7
	and 12, which is a stone
	firmly set and properly
	marked and witnessed as
	described in the field
	notes furnished by the
	Surveyor General

Subdivisions

chs	Thence I run
	N. 89° 58' W. on a true line
	bet. secs. 1 and 12.
	Var. 14° 47' East.
	over rolling land, through
	scattering pine.
31.00	Leave timber, enter large
	open park.
39.95	Set a malpais stone 14 x 10 x
	9 ins. 9 ins. in the ground
	for 1/4 sec. cor. marked 1/4
	on N. face, and raised a
	mound of stone 1½ ft.
	high, 2 ft. base, alongside.
	Pits impracticable.
51.00	ascend gradually, 60 ft.
79.90	The cor. to secs. 1, 2, 11 & 12.
	Land, rolling.
	Soil, stony, 2d and 3d rate.

Tp 22 N R 1 East (cont)

chs.	Timber, scattering pine 31 chs.
	N. 0° 1' W. on a random line bet. secs. 1 and 2.
	Var. 14° 47' East.
	Over broken land.
40.00	Set temporary 1/4 sec. cor.
80.00	Intersect N. bdy of the Tp. at the cor. to secs. 1, 2, 35 and 36, as hereinbefore described.
	Thence I run
	S. 0° 1' E. on a true line bet. secs. 1 and 2.
	Var. 14° 47' East.
	Over open rolling land.
40.00	Set a malpais stone 16 x 12 x 10 ins. 11 ins. in the

Subdivisions

chs	ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone 1½ ft high, 2 ft. base, alongside. Pits imprac- ticable
44.00	Ascend 150 ft.
74.00	Top of ascent and descend 60 ft.
80.00	The cor. to secs. 1, 2, 11 and 12. Land, rolling and broken Soil, stony, 2d and 3d rate. No timber.

From the standard cor to secs. 2, 3, 34 and 35 on the S. bdy of Tp, which is a post firmly set and prop- erly marked and witnesses

Tp. 22 N. R. 1 E. Cont.

cho.	
	as described in the field
	notes furnished by the
	Surveyor General,
	I run
	N. 0° 1' W. bet. secs. 34 and 35.
	Var. 14° 47' East.
	over rolling land.
	From this cor. Dupai
	tank brs. N. W. about ¼ mile
9.45	Wire fence, course E. and W.
10.00	Telegraph line, course S.E. & S.W.
10.73	Center of Atlantic and
	Pacific railroad track,
	course S.E. & S.W.
22.60	Enter pine timber
	Descend 40 ft.
28.00	Road, course N.E. and S.W.
28.50	Ravine, 4 ft. deep, course S.W.
	ascend 30 ft.

Subdivisions

chs	
30.00	Top of ascent
	Thence over rolling land.
40.00	Set a sandstone 16×14× 10 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, alongside, from which a Pine 48 ins. diam. brs. N. 53° 31' W. 87 lks. dist., marked 1/4 S. B.T.
	a Pine 26 ins diam. brs. S. 37° 19' E. 75 lks. dist., marked 1/4 S. B.T.
75.00	ascent 75 ft.
80.00	Top of ascent.
	Set a sandstone 18×10×9 ins. 12 ins in the ground

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

chs.

for cor. to secs. 26, 27, 34
and 35, marked with 1
notch on S. and 2 notches
on E. edges, and raised
a mound of stone 1 1/2
ft. high, 2 ft. base, along-
side, from which

an oak 8 ins. in. diam.
brs. N. 51° 18' E. 17 chs. dist.
marked T. 22 N.R. 1 E. S. 26 B.T.

a Pine 30 ins. diam. brs.
S. 23° 07' E. 185 chs. dist.
marked T. 22 N.R. 1 E. S. 35 B.T.

a juniper 14 ins. diam.
brs. S. 61° 30' W. 113 chs.
dist. marked T. 22 N.R. 1 E.
S. 34 B.T.

a Pine 20 ins. diam. brs.
N. 77° 11' W. 193 chs. dist. marked

Subdivisions

No.   T. 22 N R 1 E. b. 27 0.T.

Land, rolling.

Soil, stony, 2d and 3d rate.

Timber, pine with some
oak.

Heavy timber — 57. 40 chs.

N. 89° 48′ E. on a random line
bet. secs. 26 and 35.

      Var. 14° 47′ East.

40.00   Set temporary 1/4 sec. cor.

79.90   Intersect the N. and S. line
11 chs. N. of cor. to secs.
25, 26, 35 and 36.

Thence I run

S. 89° 53′ W. on a true line
bet. secs. 26 and 35.

      Var. 14° 47′ East.

Over mountainous land.

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

chs	
	ascend 100 ft.
8.00	Top of ascent, and Descend 200 ft.
39.95	Set a malpais stone 20×18 × 14 ins. 15 ins. in the ground for 1/4 sec. cor marked 1/4 on N. face, and raised a mound of stone 1½ ft high, 2 ft. base, alongside, from which
	a Pine 20 ins diam. brs. N. 45° E. 227 chs. dist. marked 1/4 S. B.T.
	a Pine 16 ins. diam. brs. N. 61° W. 185 chs. dist. marked 1/4 S. B.T.
41.00	Foot of descent ascend 100 ft.

Sub-divisions

chs	
55.00	Top of ascent.
	Descend 120 ft.
79.90	The cor. to secs. 26, 27, 34 & 35.
	Land, mountainous and broken
	Soil, rocky, 4th rate.
	Timber, scattering pine.
	mountainous land 46 chs.

N. 0° 1' W. bet secs. 26 and 27.
        Var. 14° 47' East.

over broken land, through
scattering timber.
ascent gradually 40 ft.

18.20	Top of ascent, ridge, course
	E. and W.
18.40	a Pine tree 24 ins. diam
	on line, which I mark
	with 2 notches on N. and
	S. sides.

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

chs.	Descend 50 ft.
26.00	Foot of descent, ravine, 3 ft. deep, course E. Leave timber. ascend gradually 50 ft.
40.00	Set a malpais stone 18 × 14 × 10 ins. 12 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. Ascend 100 ft.
54.00	Top of ascent, and Descend 40 ft.
55.00	Enter pine timber.
80.00	Foot of descent. Set a malpais stone 24 × 18 × 16 ins 18 ins. in the

Sub-divisions

chs.

ground for cor. to secs.
22, 23, 26 and 27, marked
with 2 notches on S. and
E. edges, and raised a
mound of stone 1½ ft. high
2 ft. base, alongside, from
which

a Pine 40 ins. diam. brs.
N. 55° 03' E. 27 lks. dist.
marked T. 22 N.R. 1 E. b. 23 B.T.

a Pine 48 ins. diam. brs.
S. 51° 15' E. 19 lks. dist.
marked T. 22 N.R. 1 E. b. 26 B.T.

a Pine 30 ins. diam. brs.
S. 63° 30' W. 85 lks. dist.
marked T. 22 N.R. 1 E. b. 27 B.T.

a Pine 10 ins. diam. brs.
N. 33° 03' W. 106 lks. dist.
marked T. 22 N.R. 1 E. b. 22 B.T.

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

chs.	Land, broken and rolling.
	Soil, stony, 2d and 3d rate
	Timber, scattering pine,
	with some oak and juniper

N. 89° 53' E. on a random line
bet. secs. 23 and 26.

        Var. 14° 47' East.

40.00	Set temporary 1/4 sec. cor.
79.91	Intersect N. and S. line 13
	chs. N. of cor. to secs. 23, 24,
	25 and 26.

Thence I run

S. 89° 59' W. on a true line
bet. secs 23 and 26.

        Var. 14° 45' East.

Over rolling land,

8.00	Enter scattering pine
11.00	ascend 300 ft. over

Sub-divisions

chs	south slope of small mountain.
31.00	Top of ascent. Descent 450 ft.
33.00	Leave timber
39.95	Set a malpais stone 14x10 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 1½ ft. high, 2 ft base, alongside. Pits im- practicable This cor. is on S.W. slope of mountain.
76.00	Foot of descent, and enter scattering pine.
79.91	The cor. to secs. 22, 23 26 and 27.

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

chs. | Land, mountainous and
rolling
Soil, stony, 3d rate.
Timber scattering pine
Mountainous land 65 chs.

_____

N 0° 1' W. bet. secs. 22 and 23.
                Var. 14° 47' East.
Over broken, mountainous land.
300 | Leave timber and ascend
250 ft.
40.00 | Set a malpais stone 16 x
14 x 10 ins 11 ins in the
ground for 1/4 sec cor.
marked 1/4 on W. face,
and raise a mound of
stone 1 1/2 ft. high, 2 ft.
base, alongside. Pits im-
practicable

Subdivisions

chs	This cor. is on S slope of mountain.
	Ascent 450 ft.
56.00	Top of mountain, course E. and W.
57.60	a Pine tree 19 ins. in diam. on line, which I mark with 2 notches on N. and S. sides.
	Descent 200 ft.
77.20	Ravine, 60 ft. deep, course E.
80.00	Foot of descent. Set a malpais stone 20 x 18 x 16 ins. 15 ins. in the ground for cor. to secs. 14, 15, 22 and 23, marked with 3 notches on S and 2 notches on E.

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

cho. edges and raised a
mound of stone 1½ ft.
high, 2 ft. base, along-
side, from which.
a juniper 40 ins. diam.
brs. S. 76° 19 E. 67 lks. dist.
marked T.22 N.R. 1 E B. 23 B.T.
an oak 8 ins. diam. brs.
N. 57° 09' E. 17 lks. dist.
marked T. 22 N.R. 1 E. B. 14 B.T.
No other trees within limits
Land, mountainous.
Soil, rocky, 4th rate.
Timber, some scattering
oak, pine and juniper.
mountainous land 77 cho.

N. 89° 59' E. on a random line
bet. secs. 14 and 23.

Sub-divisions

chs.	
	Var. 14° 47' East.
40.00	Set temporary 1/4 sec. cor.
79.86	Intersect N. and S. line
	17 chs. N. of cor. to secs. 13, 14
	23 and 24
	Thence I run
	N. 89° 54' W. on a true line
	bet. secs. 14 and 23.
	Var. 14° 47' East.
	Over rolling land, through
	scattering pine.
	Descent gradually 40 ft.
15.00	Ravine, 20 ft. deep, course
	N.
17.00	Road, course N. & S.
	Thence over rolling land.
39.93	Set a malpais stone 13 x 9
	x 8 ins. 8 ins. in the
	ground for 1/4 sec. cor.

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

dio	marked 1/4 on N. face, and raised a mound of stone 1½ ft. high, 2 ft. base, alongside. Pits impracticable
57.00	ascend 500 ft.
69.00	Top of ascent.
79.16	The cor. to secs. 14, 15, 22 and 23. Land, rolling and mountainous. Soil, stony, 2' and 4th rate. Timber, some scattering pine. mountainous land, 22.86 chs.

N. 0° 1' W. bet. secs. 14 and 15.
Var. 14° 47' East.
over rolling level top of mountain

27.43	Descent 500 ft. through

Subdivisions

chs	
	pine timber and dense bush.
36.50	Leave timber and bush.
40.00	Foot of descent
	Set a malpais stone 16 × 10 × 9 ins. 11 ins. in the ground for 1/4 sec cor marked 1/4 on W. face, and raised a mound of stone 1½ ft high, 2 ft. base, along-side, from which
	a cedar 16 ins. diam. brs. S 23° 30' W. 287 lks dist. marked 1/4 S. B.T.
	No other trees within limits
47.00	Road, course E. and W.
	Thence over rolling open land.
80.00	Set a malpais stone 22 ×

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

cho.	

16 x 8 ins 16 ins in the
ground for cor to sec.
10, 11, 14 and 15, marked
with 4 notches on S.
and 2 notches on E. edges,
and raised a mound
of stone 1½ ft. high, 2 ft.
base, alongside. Pits
impracticable.
Land, mountainous and
rolling.
Soil, stony, 3d rate.
Timber, pine and brush
mountainous or timbered
land, 40 chs.

S. 89° 54' E. on a random line
bet. secs. 11 and 14.
            Var. 14° 47' East.

Subdivisions

chs	
40.00	Set temporary 1/4 sec. cor.
79.92	Intersect N. and S line
	20 chs. S. of cor to secs.
	11, 12, 13 and 14.
	Thence I run

S. 89° 57' W on a true line between 11 & 14.

Var. 14° 47' East.

Over rolling land,
through scattering timber.

11.00	Descent gradually 30 ft.
25.00	Foot of descent.
39.96	Set a malpais stone 14x

9 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

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

do.	a Pine 30 ins. diam. brs.
	S. 2° 15' W. 225 lks dist.
	marked 1/4 S. B.T.
	no other trees within limits
41.00	Descend gradually 50 ft.
60.47	Ravine, 3 ft. deep, course N.
	Leave timber.
79.92	The cor to secs 10, 11, 14 and 15.
	Land; rolling
	Soil; rocky, 3d rate.
	Timber, scattering pine.

	N. 0° 1' W. bet. secs. 10 and 11.
	Var. 140 47' East.
	Over mountainous land.
3.00	Wash, 2 ft. deep, course W.
8.00	ascend 250 ft.
40.00	Top of mountain, course
	E. and W.

Subdivisions

chs.	Set a malpais stone 16 x 12 x 8 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone 1½ ft. high, 2 ft. base alongside, from which a Pine 23 ins diam. brs. N. 45° 09' W. 190 lks dist. marked 1/4 B. B.T. No other trees within limits. Descend 200 ft.
58.00	Foot of descent. Thence over rolling land.
80.00	Set a malpais stone 20 x 18 x 10 ins. 15 ins in the ground for cor. to secs. 2, 3, 10 and 11, marked with 5 notches on B. and 2

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

chs.	notches on E. edges, and
	raised a mound of stone
	1½ ft high, 2 ft. base,
	alongside. Pits imprac-
	ticable
	Land rolling and mountainous
	Soil, rocky, 3rd rate.
	No timber
	mountainous land 50 chs.

	N. 89° 57' E. on a random line
	Let. secs 2 and 11.
	Var. 14° 47' East.
40.00	Set temporary ¼ sec. cor.
79.95	Intersect the N. and S. line
	3 chs. S. of cor. to secs.
	2, 11 and 12.
	Thence I run
	S. 89° 56' W. on a true line

Subdivisions

cha	bet. secs. 2 and 11.
	Var. 14° 47' East.
	over open rolling land.
39.97	Set a malpais stone 14 x 11 x 7 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. Pits impracticable
	Descend gradually 20 ft.
65.00	Foot of descent.
79.95	The cor. to secs 2, 3, 10 and 11.
	Land, rolling
	Soil, stony 2d rate.
	No timber.

Tp. 22 N R + E. (cant'd)

cho.	N. 0° , W. on a random line
	bet. secs. 2 and 3.
	Var. 14°47' East.
40.00	Set temporary 1/4 sec cor-
79.99	Intersect the N. bdy of the
	Tp. 3 chs. W. of the cor to
	secs. 2, 3, 34 and 35, as
	herein before described.
	Thence I run
	South on a true line
	bet. secs. 2 and 3.
	Var. 14°47' East.
	Over rolling land, through
	scattering cedar and pinon
39.99	Set a malpais stone 12 x
	10 x 10 ins. 8 ins. in the
	ground for 1/4 sec. cor.
	marked 1/4 on W. face,
	and raised a mound of

BOOK 411

<u>Subdivisions</u>

hs stone 1½ ft high, 2 ft.
base, alongside. Pits
impracticable.

7999 The cor to secs 2. 3, 10 and 11.
Land, rolling.
Soil, stony, 3d rate.
Timber, scattering bush
    may 8th 1894.

From the cor to secs.
3, 4, 33 and 34 on the S.
bdy of the tp, which is
a stone firmly set and
properly marked and wit-
nessed as described in
the field notes furnished
by the Surveyor General
from

N. 0° 2' W. bet. secs. 33 and 34
    Var. 14° 47' East.

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

chs.	
	over rolling land.
3.00	Wash, 3 ft. deep, course W.
	Ascent 40 ft.
10.00	Top of ascent.
16.15	a Juniper 48 ins. diam- on line, which I mark with 2 notches on N. and 3 sides
40.00	Set a malpais stone 15 × 11 × 9 ins. 10 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. Pits impracticable
44.00	Ascent 600 ft.
77.13	Top of round mountain Descend 200 ft. through

BOOK 411

Sub-divisions

chs.	
	scattering pine
80.00	a malpais rock in place

2 x 2 x 3 ft. above ground.
I marked a cross (+) at
exact cor. point for cor.
to secs 27, 28, 33 and 34,
with 1 notch on S. and
3 notches on E. edges, and
raised a mound of stone
1½ ft. high, 2 ft. base,
alongside. From cor.
point,
a Pine 6 ins. diam. brs.
N. 52° 45' E. 290 lks. dist.
marked T. 22 N. R. 1 E. S. 27 B.T.
a Pine 24 ins. diam. brs.
S. 49° 30' E. 240 lks. dist.
marked T. 22 N. R. 1 E. S. 34 B.T.
a Pine 16 ins. diam. brs.

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

chs.	S. 18° 15' W. 200 chs. dist
	marked T. 22 N R 1 E. B. 33 B.T.
	a Pine 10 ins. diam. bus.
	N. 21° 03' W. 160 chs. dist.
	marked T. 22 N R 1 E. B. 28 B.T.
	Land, rolling and mountain-
	ous.
	Soil, rocky, 2ᵈ and 4th rate
	Timber, scattering pine.
	mountainous land, 36 chs.
	N. 89° 48' E. on a random line
	bet secs. 27 and 34
	Var. 14° 47' East
40.00	Set temporary 1/4 sec. cor.
79.88	Intersect N. and S. line 23
	chs. N. of cor. to secs. 26, 27,
	34 and 35.
	Thence I run

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Subdivisions

chs	
	S. 89° 58' W. on a true line
	bet. secs. 27 and 34.
	Var. 14° 47' East
	over rolling land, through
	scattering pine.
7.00	Descend 35 ft.
13.00	Foot of descent.
27.00	ascend 50 ft.
33.00	Top of ascent.
39.94	Set a malpais stone 13 × 12
	× 11 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.
	2 ft. base, alongside,
	from which
	a Pine 8 ins. diam. bro.
	N. 11° E. 41 lks. dist. marked
	1/4 S. B.T.

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

chs	
	a Pine 6 ins. diam. brs. N. 43° E. 137 chs. dist. marked 1/4 S. B.T.
58.00	Ascent 100 ft.
79.88	The cor. to secs. 27, 28, 33 and 34.
	Land rolling and moun— tainous
	Soil, rocky, 4th rate.
	Timber, scattering pine.
	mountainous land, 21.88 chs.

N. 0° 2' W. bet. secs 27 and 28.
Var. 14° 47' East.
over mountainous land.
Descent 150 ft.

| 6.10 | Foot of descent, ravine, 3 ft. deep, course E. |
| | Ascent 250 ft. |

Subdivision

cho	
13.40	Top of ascent, ridge, course E and W.
	Descent 300 ft.
39.00	Foot of descent.
40.00	Set a malpais stone 16 × 12 × 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, alongside, from which
	a cedar 30 ins. diam. brs S. 13° E. 101 lks. dist. marked 1/4 S. B.T.
	a cedar 4 ins. diam. brs N. 8° 11' E. 112 lks. dist. marked 1/4 S. B.T.
	Ascent 80 ft

T. 4 2 N R 1 E. (cont'd)

chs	
44.30	Top of ridge, course E. and N.W.
	Descent 150 ft.
52.00	Enter thick pine
59.00	Foot of descent, dry wash, 10 ft. deep, course N.W.
	Leave timber.
	ascent 200 ft.
71.20	Top of ridge, course W.
	Descent 100 ft.
80.00	Foot of descent.
	Set a malpais stone 20 x 18 x 18 ins. 15 ins in the ground for cor. to secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edges, and raised a mound of stone 1½ ft high, 2 ft.

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<u>Subs</u> T. 22 N R 1 E. (ctd.)

chs	
	base, alongside, from which
	a juniper 20 ins. diam. brs. N. 81° 09' E. 21.0 chs. dist. marked T. 22 N R. 1 E. S. 22 B.T.
	a juniper 25 ins. diam. brs. S 30 W. 32 chs dist. marked T. 22 N R 1 E. S 28 B.T.
	a juniper 10 ins. diam. brs N. 89° W. 41 chs. dist. marked T. 22 N R 1 E S 21 B.T.
	No other trees within limits Land, mountainous. Soil, rocky, 4th rate, Timber, pine and juniper mountainous land 80 chs.

N. 89° 58' E. on a random line

Continued Book 412
Concluded Book 413

BOOK 411