

1436

No. 1436

BOOK 1436

Exteriors

4-671

FIELD NOTES

GENERAL LAND OFFICE.

*North and 1 mile of East
boundary of Sp. 23 N. R. 5. E.*

E. hdy. - Recurrence.

No. 1436

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BOOK 1436

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No. 1436

Field Notes
of the survey of the
North Exterior Boundary and
Re-survey ^{of} one mile of East Exterior Bdy
of

Township N. 23, R. 5 East.

of the

Gila and Salt River Basins & Meridian

in the

Territory of Arizona

as surveyed by

Francis W. Survey.

U. S. Deputy Surveyor.

Charles E. Perkins,

comparasman and a S. Deputy Surveyor

under contract No 31.

Dated June 21, 1893.

Survey commenced May 29, 1894.

Survey completed May 31, 1894.

North & East boundaries

chs. Survey commenced May 29
 1894 with a N. and S. E.
 Survey Solar transit.
 at the cor to 2nd 2nd.

23 and 24 N. Rs 5 and 6 E.

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

I then set off $21^{\circ}43'$ on
 the decl. arc, and at
 11^h 57^m a.m. equit. observe
 the sun on the meridian,
 the resulting lat. is
 $35^{\circ}23' N.$ the true lat.
 nearly.

at 2^h 0^m p.m. l.m.t. I
 set off $35^{\circ}23' N$ on the lat
 arc, $21^{\circ}44'$ on the decl
 arc, and determine a true

T. 23 N. R. 5 East

chs
meridian with the solar.
Variation of needle $15^{\circ} 35' E.$
mean variation for this line
 $15^{\circ} 38' E.$

The only indication of a corner at this point is an old post, partially decayed and lying on the ground, with the marks nearly obliterated. The bearing trees described in the field notes furnished by the Surveyor General have evidently been destroyed by a forest fire. In order to locate the exact position for the cor. to Tps. 23 and 24 N. R. 5 and 6 E. I am obliged to resurvey a portion

East bdy T. 23 N. R. 5 East

As of the E. exterior boundary of Tp. 23 N. R. 5 E. as follows I go to the corner to see 4, 6, 7 and 12 on the E. bdy of township 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

North bet. sees 1 and 6

Var. $15^{\circ} 38'$ East.

over rolling heavily timbered land

31.00 Road course N. W. and S. E.

40.00 after diligent search I conclude that this 1/4 cor was destroyed by forest

East Ldy T. 23 N. R. 5 East.

cha
 uris, I therefore
 set a malpais stone 6x15
 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 $1\frac{1}{2}$ ft high,
 3 ft base, alongside. from
 which

a Pmi 20 ins. diam. hrs. N.
 $44^{\circ}03'W.$ 91 lks. dist. marked
 $\frac{1}{4}$ S. B.T.

a Pmi 24 ins. diam. hrs.
 $S. 59^{\circ}50' E.$ 68 lks. dist.

marked $\frac{1}{4}$ S. B.T.
 The sp. cor. hereinbefore referred to, which I established by

80.00 \wedge setting malpais stone 18x16x
 10 ins. 12 ins. in the ground
 for cor to Lps. 23 and 24
 N. R. 5 and 6 E. marked
 with 6 matches on N, S, E,

8.

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East Lady T. 23 N. R. 5 East. cont'd

chs.

and N. edges and raised
a mound of stone 2½ ft
high, 4 ft base along
side from which,

a Pine 16 ins. diam. tree.
N. 42° 20' E. 72 lks. dist.

marked T. 24 N. R. 6 E. S. 31 B.T.

a Pine 19 ins. diam. tree.

S. 38° 20' E. 98 lks. dist.

marked T. 23 N. R. 6 E. S. 6 B.T.

a Pine 20 ins. diam. tree.

S. 21° 25' W. 18 lks. dist.

marked T. 23 N. R. 5 E. S. 1 B.T.

a Pine 23 ins. diam. tree

N. 41° 50' W. 107 lks. dist.

marked T. 24 N. R. 5 E. S. 36 B.T.

Land, rolling.

Soil, stony, 3rd rate.

Timber, pine.

N. by T. 23 N. R. 5 E.

As heavily timbered land, 80 chs.
May 29, 1894.

From the cor. to Tps. 23
and 24 N. R. 5 and 6 East
Town

West on a random line
bet said Townships.

Var. $15^{\circ} 38'$ East.

I set half mile and mile
cors. at each 40 and 80 chs.
and at 5 miles, 68, 84 chs.
intersect the 1st Guide
meridian East. 14.59 chs.
North of the cor. to Tps 23
and 24 N. R. 4 and 5 E.
which is a stone firmly
set and properly marked and
witnessed as described in

North boundary of
 the field notes furnished
 by the Surveyor General.
 I obliterate all marks
 which refer to surveys
 on the East.

At the point of intersection
 I set a lime stone $20 \times 16 \times$
 8 ins. 15 ins. in the
 ground for clearing or to
 Sp. 23 and 24 N. R. 5 E.
 marked C. C. on E. face,
 with 6 notches on N., S.,
 and E. faces, and pits
 $24 \times 8 \times 12$ ins crosswise on
 each line N., S., and E. of
 stone 6 ft. dist and
 raised a mound of earth
 $3\frac{1}{2}$ ft high, 6 ft base,
 alongside.

T. 23 N. R. 5 E. (contd)

- chs. Thence I run
East on a true line
bet. secs. 6 and 31.
Var. $150^{\circ}30'$ East.
Over level land.
- 15.00 ascent N. W. slope of Kendrick
mountain.
- 19.00 Enter heavily timbered land.
- 28.84 Set a line stone $18 \times 12 \times 12$ ins.
12 ins. in the ground for
 $1/4$ sec. cor. marked $1/4$ on
N. face, and raised a mound
of stone $1/2$ ft high, 2 ft.
base, alongside, from which
a juniper 38 ins diam. tree,
N. $10^{\circ}25'$ E 110 lbs dist.
marked $1/4$ B. B. T.
a Pine 20 ins. diam. tree,
N. $16^{\circ}45'$ W. 41 lbs dist marked

North Boundary A

dis 14 B.B.T.

60.84 a point about 400 ft. above
Ip. cor.

Set a lime stone 1 P X 1 P X 4
ins. 12 ins. in the ground
for cor to see 5, 6, 31 and
32, marked with 5 notches
on E. and 1 notch on N.
edges, and raised a
mass of stone 2 ft high
3 ft base, alongside,
from which

a Pine 10 ins. diam. bro.
N. 16° 15' E. 40 lks. dist.

marked T. 24 N. R. 5 E. S. 32 B.T.

a Pine 18 ins. diam. bro.

S. 41° 05' E. 41 lks. dist.

marked T. 23 N. R. 5 E. S. 5 B.T.

a Pine 31 ins. diam. bro.

T. 23 N. R. 5 E. (cont'd)

obs S. $36^{\circ}10'$ W. 10 lks. dist. marked
T. 23 N. R. 5 E. S. 6 B.T.

a Pine 16 ins. diam. lvs. N.
 $30^{\circ}30'$ W. 48 lks. dist.

marked T. 24 N. R. 5 E. S. 31 B.T.

Land level and mountain-
ous

Soil, stony. 2^o and 3^o rate

Timber, pine, and juniper
bush.

mountainous or heavily
timbered land. 49.84 lks.

East on a true line

bet. sec. 5 and 32.

Var. $15^{\circ}38'$ East.

Over mountainous heavily
timbered land.

ascending.

North Boundary of

clus.
40.00

Get a limestone $18 \times 18 \times$
16 ins. 12 ins. in the ground
for 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,
from which

a Pine 16 ins. diam. tree.
S. $20^{\circ} 05'$ E. 11 lbs. dist. mark-
ed $\frac{1}{4}$ S.B.T.

a Fir 16 ins. diam. tree.
N. $140^{\circ} 40'$ W. 40 lbs. dist.
marked $\frac{1}{4}$ S.B.T.

80.00

a Point about 300 ft.
above last sec. cor

Get a limestone $16 \times 16 \times$
16 ins. 11 ins. in the
ground for cor to secs.
4, 5, 22 and 33, marked with

T. 23 N. R. 5 E. (cont'd)

chs. 4 notches on E. and 2 notches
on W. edges, and raised
a mound of stone 2 ft.
high, 3 ft. base along side-
from which

a Pine 12 ins. diam. hrs.
N. 16° 45' E. 19 lks. dist.

marked T. 24 N. R. 5 E. S. 33 B.T.

a Pine 6 ins. diam. hrs. S 21° 15'
E. 44 lks. dist. marked T. 23 N.

R. 5 E. S. 4 B.T.

a Pine 14 ins. diam. hrs.

S 41° 10' W. 60 lks. dist.

marked T. 23 N. R. 5 E. S. 5 B.T.

a Fir 23 ins. diam. hrs

N. 16° 10' W. 49 lks. dist.

marked T. 24 N. R. 5 E. S. 32 B.T.

Land, mountainous,

Soil, rocky. 3^d rate.

North Boundary of

chs Timber, pine, fir and
aspen.

mountainous or heavily
timbered land, 80 chs.

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

Var. $150^{\circ}38'$ East

Over mountainous heavily
timbered land, through
dense undergrowth of
aspen brush, ascending.

40.00 Set a malpais stone $14 \times$
 12×10 inc 10 inc 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, from

T. 23 N.R. 5 E. (cont'd)

chs which

a Pine 14 ins. diam. hrs.
N. $48^{\circ}40'$ E. 46 lbs. dist.
marked 14 B.B.T.

a Fir 16 ins. diam. hrs.
N. $14^{\circ}05'$ W. 16 lbs. dist.
marked 14 B.B.T.

80.00 a Point about 500 ft. above
last sec. cor.

Get a slate stone $20 \times 18 \times$
3 ins. 15 ins. in the ground
for cor. to secs 3, 4, 33
and 34 marked with 3
notches on E. and W. edges,
and raise a mound of
stone 2 ft high, 3 ft. base
alongside, from which
a Fir 19 ins. diam. hrs.
N. $56^{\circ}11'$ E. 14 lbs. dist. marked

North Boundary of

chs

T. 24 N. R. 5 E S. 34 B.T.

a Fir 20 mis diam. hrs.

S. 60 40' E. 18 lbs. dist.

marked T. 23 N. R. 5 E S. 3 B.T.

an aspen 10 mis. diam

hrs. S. 51° 05' W. 13 lbs. dist.

marked T. 23 N. R. 5 E S. 4 B.T.

a Fir 21 mis. diam. hrs.

N. 11° 10' W. 17 lbs. dist.

marked T. 24 N. R. 5 E S. 33 B.T.

Land, mountains,

Soil, stony, 3^d rate.

Timber, fir, pine, and
 aspen, with dense under-
 growth of aspen and brush.
 mountains or heavily
 timbered land, 80 chs.

 East on a trail miles

T. 23 North Range East.

obs. bet. sec. 3 and 34.

Var. $150^{\circ}35'$ East-

over mountainous land.

ascending -

40.00 Set a malpais stone $6 \times 6 \times$
 14 ins. 11 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, 3 ft base, alongside,
 from which

an aspen 2 ins. diam. hrs.

N. $16^{\circ}10'$ W. 4 lbs dist. marked

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

an aspen 16 ins. diam. hrs.

N. $10^{\circ}05'$ E. 13 lbs dist. marked

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

80.00 a Point about 700 ft. above
 last sec. cor.

North Boundary of

chs. Set a slate stone $2 \times 10 \times 3$
 ins 15 ins in the ground
 for cor. to secs. 2, 3, 34 and
 35 marked with 2 notches
 on E and 4 notches on
 W. edges, and raised a
 mound of stone 2 ft high,
 4 ft base alongside,
 from which

an aspen 14 ins. diam. chs.
 N. 30 E. 15 lbs dist. marked
 T. 24 N. R. 5 E S 35 B.T.

a Fir 9 ins. diam. chs.
 S. 49° 15' E. 19 lbs. dist.
 marked T. 23 N. R. 5 E. S 2 B.T.

a Fir 23 ins. diam. chs. S
 110° 50' W. 31 lbs. dist. marked
 T. 23 N. R. 5 E S. 3 B.T.

a Fir 30 ins. diam. chs.

T. 23 N. R. 5 E. (contd)

chs N. 52° 30' W. 41 lks dist.
 marker + 240. 25 E S. 34 B.T.
 Low mountains
 Soil rocky. 4th rate
 timber, fir, spruce and
 aspen.
 mountains, or heavily
 timbered low. 80 chs.

East on a true line

bet. sec. 2 and 35.

Var. 15° 38' East.

Over mountainous land,
 through dense bush.
 ascending.

16.00 Top of N. side of Kendrick's
 Peak, about 9500 ft. altitude
 and descent

40.00 Get a slate stone 15x10x10

North Boundary

- chs. nis. 12 nis. in the ground
for $\frac{1}{4}$ sec. cor. marker $\frac{1}{4}$
on N. face, and raised a
monument of stone $1\frac{1}{2}$ ft.
high, 3 ft base, alongside
from which
a Fir 18 nis. diam. chs.
N. $16^{\circ}05'$ E. 41 lks. dist.
marker $\frac{1}{4}$ S.B.T.
- a Pine 14 nis. diam. chs.
S 45° W. 10 lks. dist. marker
 $\frac{1}{4}$ S.B.T.
- 80.00 a point about 1000 ft
below top of Peak.
Get a malpais stone $18 \times$
 16×10 nis. 12 nis. in the
ground for cor. to secs
1, 2, 35 and 36, marker with
1 notch on E. and 5 notches

T. 23 N. R. 5 E. (contd)

do on W. edges, and raised a
mound of stone 2 ft high
3 ft base, alongside.

from which

a Pine 8 ins diam. tree.

N. $43^{\circ} 16'$ E. 19 lks. dist.

marked T. 24 N. R. 5 E. S. 36 B.T.

a Pine 16 ins diam. tree.

S. $21^{\circ} 0'$ E. 34 lks. dist. marked

T. 23 N. R. 5 E. S. 1 B.T.

a Pine 20 ins diam. tree S.

$27^{\circ} 16'$ W. 83 lks. dist. marked

T. 23 N. R. 5 E. S. 2 B.T.

a Pine 14 ins. diam. tree N.

$49^{\circ} 10'$ W. 38 lks. dist. marked

T. 24 N. R. 5 E. S. 35 B.T.

Land, mountainous.

Soil, rocky, ultrate.

Timber pine and fir.

North boundary of

the mountainous or heavily
timbered land, 80 chs.

East on a true line
bet. sec. 1 and 36.

Var. $5^{\circ} 38'$ East.

Descending.

37.00 Foot of descent at N. E. base
of mountain, thence over
rolling land.

40.00 Set a malpasi stone $16 \times$
 16×8 ins. 11 ins. in the
ground for $\frac{1}{4}$ section
marked $\frac{1}{4}$ on N face, and
raise a mound of stone
 $1\frac{1}{2}$ ft high, 3 ft. base,
alongside, from which
a Pine 12 ins diam. has
N. $21^{\circ} 10'$ W, 42 chs. dist.

T. 23 N. R. 5 E. (cont'd)

- chs. marked 1/4 S. B.T.
 a Pine 20' dia. has N.
 210 10' ^E 42 lbs dist marked
 1/4 S. B.T.
- 49.00 Road, course N. W. and S. E.
- 80.00 a point about 2000 ft below
 Top of Kendrick's Peak.
 The cor to Tps. 23 and 24 N. R. 5
 and 6 E.
- Note - For the last half
 mile underbacks pasture
 fence, about 12 lbs. North
 follows the course of this
 line to the T.P. cor.
- Saw rolling and moun-
 tainous.
- Soil, stony, 2° and 3° rate.
 Timber, pine and fir.
 mountainous or heavily

Boundaries of

chs. timbered land 80 chs.

may 31, 1894.

Latitudes, Departures

Lines designated as	True Bearings
1st Guide Meridian East.	North
N. boundary	East
E. boundary	South
S. boundary	$88^{\circ} 17' W.$
convergence	

T. 23 N. R. 5 East. (contd)

and closing errors.

Distance	Latitudes		Departures	
	N.	S.	E.	W.
494.59	494.59			
468.84			468.84	
480.00		480.00		
469.22		14.06		469.22
			.51	
	494.59	494.06	469.35	469.22
Totals.	494.06		469.22	
	.53			
Error			Error .13	

General Description

The northern portion of this township is arough, broken and almost inaccessible

mountain. A spur of the San Francisco Mountains called Kendrick's Peak covered with a dense growth of pine and fir timber, and undergrowth.

The remainder consists of rolling land, with some large round hills, about one half of the rolling land is covered with good pine timber.

There is one settler near the center of the township.

Charles E Perkins
Compassman ^{and}
U.S. Deputy Surveyor

No. 1436

U. S. Surveyor-General's Office,

TUCSON, A. T., July 13, 1895

The foregoing Field Notes of the Surveys of
the North & 1 mile of the
East exterior boundary
of Tp: 23. N. R. 5 E.

~~~~~ Gila and Salt River Meridian  
in Arizona executed by  
F. W. Barry

U. S. Deputy Surveyor, under his contract dated  
June 21<sup>st</sup> 1893.

having been critically examined, the necessary correc-  
tions and explanations made, the said Field Notes and  
the surveys they describe are hereby approved.

Leo A. Manning  
U. S. Surveyor-General  
for the Territory of Arizona.