

No. 1372

BOOK 1372

1372

*Exteriors
N and E.*

4-671

FIELD NOTES
GENERAL LAND OFFICE.

Township 25 N. R. 6: E.

BOOK 1372

T 25 N. R. 6 E.

21 6	22 5	23 4	24 3	25 2	26 1
7	8	9	10	11	12 16
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East Boundary T 25 N R 6 E

North " " T 25 N R 6 E

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BOOK 1372

1

Field Notes
of the survey of the
Exterior Boundaries
of
Township No. 25 N. R. No. 6 East.
of the
Gila and Salt River Basins and meridian
in the
Territory of Arizona
as surveyed by
Francis W. Cury,
U. S. Deputy Surveyor.
Charles E. Perkins,
compassman, and U. S. Deputy Surveyor
under contract No 31.
Dates June 21, 1893.

Survey commenced June 28, 1894.
Survey completed June 29, 1894.

East Boundary of

Lhs.

Survey commenced
June 28, 1894 with a
W. and L. E. Gurley
solar transit.

At the standard cor.
to Tps. 25 N. Rs. 6 and 7 E.
I verify the adjust-
ments of my instru-
ment and find them
correct. I set off $23^{\circ}16'N$
on the decl. arc, and
at 12^h 3^m p.m. l.m.t.
observe the Sun on the
meridian; the resulting
latitude is $35^{\circ}28'N$, the
true latitude nearly.

at 2^h p.m. l.m.t. I
set off $35^{\circ}28'$ on the
lat. arc. $23^{\circ}16'N$ on the

T. 25 N. R. 6 East.

the decl. arc, and determine
a true meridian with
the solar; the resulting
mean variation of the
needle is $140^{\circ} 29'$ East.

From the standard
cor. to Tps. 25 N. R. 6 and 9
E. herein before described
I run

North bet. secs. 31 and 36.

Var. $140^{\circ} 29'$ East.

Over rolling land, through
scattering brush.

28.27 Road from Flagstaff to
Grand canyon, bears
N. W. and S. E.

In accordance with
my Special Instructions
to "establish the cor. to

East boundary of

chs. Tps. 25 and 26 N. R. 6
and 7 E. on the same
parallel of latitude as
the cor. to Tps. 25 and
26 N. R. 1 E. and 1 W. and
to throw the excess of
measurement of the East
External boundary of
T. 25 N. R. 6 E. on the
first $\frac{1}{2}$ mile running
North from the Stand-
ard cor. to Tps 25 N.
R. 6 and 7 East, at
57.90 Set a malpais stone 14
 $\times 12 \times 9$ ins. 10 ins. in
the ground for $\frac{1}{4}$ sec.
cor. marker $\frac{1}{4}$ on W.
face, and raise a
mound of stone $1\frac{1}{2}$ ft.

Sp. 25 N. R. 6 East. (cont)

chs. high, 3 ft. base, alongside,
from which

a cedar 20 ins. diam -
hs. S. 2000, N. 314 lbs.
dist. marked $\frac{1}{4}$ S.B.T.

a cedar 6 ins. diam. hs.
S. 830, 4 E. 154 lbs dist.
marked $\frac{1}{4}$ S.B.T.

80.00 Descend 100 ft.

91.90 Set a masonry stone 16x
12x 8 ins. 11 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
2 ft. high, 3 ft base,
alongside, from which
a Pinon 8 ins. diam. hs.

East boundary of

chs. S. 570 21' W. 132 chs. dist.
 marked T. 25 N. R. 6 E. S. 36
 B. T.

a cedar 8 ins. diam. chs.

S. 190 29' W. 91 chs. dist.

marked T. 25 N. R. 6 E. S. 36 B. T.

a Pinon 12 ins. diam. chs.

N. 75° W. 70 chs. dist.

marked T. 25 N. R. 6 E. S. 25 B. T.

a Pinon 10 ins. diam. chs.

N. 55° 31' W. 126 chs. dist.

marked T. 25 N. R. 6 E. S. 25 B. T.

Land, rolling:

Soil, stony. 3° rate.

No timber, cedar and
 pinon brush.

North bet. secs. 25 and 30.

Var. 14° 39' East.

Tp. 25 N. R. 6 East (cont)

- chs. over rolling land, through scattering brush.
- Descent 100 ft.
- 31.00 Enter dense brush, and descent 100 ft to
- 38.00 Foot of descent, leave dense brush, enter scattering brush.
- 40.00 Set a malpais stone $16 \times 16 \times 14$ ins. 11 ins. in the ground for $\frac{1}{4}$ sec corner marker $\frac{1}{4}$ on W. face, and raised a mound of stone $\frac{1}{2}$ ft high, 3 ft. base, along side - from which
- cedar 12 ins. diam. brs.
- S. $240^{\circ} 54'$ W. 118 lks dist.
- marker $\frac{1}{4}$ S.B.T.

East boundary of

- | | |
|-------|---|
| chs. | a Punai 8 mis. diam.
brs. N. $42^{\circ} 32'$ W. 106 lbs.
dist. marked $\frac{1}{4}$ S. B.T. |
| 41.00 | Enter dense brush. |
| 42.00 | Leave dense brush, enter
scattering brush |
| 43.00 | Set a malpais stone
21 x 12 x 8 mis. 16 mis. in
the ground for cor to
secs. 19, 24, 25 and 30, marked
with 4 notches on N.
and 2 notches on S. edges,
and raised a mound of
stone 2 ft high, 3 ft-
base, alongside, from
which
a Punai 10 mis. diam.
brs. N. 75° E. 193 lbs dist.
marked T. 25 N. R. 7 E S. 19 BT. |

Tp. 25 N. R. 6 East. (cont)

chs. a Puroin 10 mis diam. hrs.
N. $87^{\circ} 33'$ E. 147 lks dist.
marker T. 25 N. R. 7 E. S. 19 B.T.

a Puroin 8 mis. diam hrs.
S. $32^{\circ} 51'$ W. 115 lks. dist.
marker T. 25 N. R. 6 E. S. 25 B.T.

a Puroin 6 mis. diam hrs.
S. $60^{\circ} 33'$ W. 116 lks. dist.
marker T. 25 N. R. 6 E. S. 25 B.T.

Land, rolling

Soil, stony, 3rd rate.

No timber, cedar and
puroin bush.

Land, covered with dense
bush, 8 lks.

North lat. sec. 19 and 24.

Var. $140^{\circ} 39'$ East

Over rolling land, through

East boundary of

- cho. scattering brush.
- 40.00 Set a malpais stone 16 x
13 x 8 ins. 11 ins. in the
ground for $\frac{1}{4}$ sec. can
marker $\frac{1}{4}$ on W. face,
and raised a mound
of stone $1\frac{1}{2}$ ft high
3 ft base, alongside
from which
a pinion 16 ins. diam
br. S 49° 34' E. 77 lbs.
dist. marker $\frac{1}{4}$ S. D. T.
acacia 17 ins. diam br.
N. 60° E. 150 lbs dist. marker
 $\frac{1}{4}$ S. D. T.
- 52.00 ' Descend 200 ft
- 79.00 Set of canon, cause N. W.
across 50 ft.
- 80.00 a malpais rock in place

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7p. 25 N. R. 6 East (cont)

chs. 5x4x4 ft above ground
 which I mark with a
 cross (+) at exact cor-
 ner for cor. to sec.
 13, 18, 19 and 24, with 3
 notches on N. and S. edges,
 and raised a mound of
 stone 2 ft high, 3 ft-
 base, alongside, from
 which

a cedar 8 ins diam has

S. $130^{\circ} 29'$ E. 73 lks. dist. marker

T. 25 N. R. 7 E S. 19 B. T.

a cedar 24 ins. diam has

S. $54^{\circ} 32'$ W. 172 lks dist

marker T. 25 N. R. 6 E. S. 24 B. T.

a cedar 20 ins. diam has

S. $20^{\circ} 20'$ W. 105 lks dist.

marker T. 25 N. R. 6 E S. 24 B. T.

East. boundary of

cho. a Pinon 6 mis. diam.
 hrs. S. 27° 30' W. 98 lbs.
 dist. market T. 25 N. R. 6 E.
 S. 24 BT.
 Land, rolling and broken
 Soil, rocky, 3' rate.
 No timber, cedar and
 pinon bush.

North let. sec. 13 and 18.

Var. 14039' East.

over rolling land, through
 scattering bush.
 ascent 50 ft.

3.00 Top of ascent.

9.00 Leave scattering bush,
 enter open prairie.

40.00 Get a macfaris stone
 15 x 14 x 12 mis. 10 mis. in

Tpk. 25 N. R. 6 East. (cont)

- chs. the ground, for $\frac{1}{4}$ sec.
cor, marked $\frac{1}{4}$ on W. face,
and raised a mound of
stone 2 ft high, 3 ft
base, alongside. Pits
impracticable.
- 42.00 Descent 100 ft.
- 59.60 Set of canon, course W,
and ascent 150 ft.
- 65.00 Top of ascent, N. edge of
canon, thence over rolling
land.
- 81.00 Set a lime stone, 6 x 12 x 8
ins. & ins in the ground
for cor to sec. 7, 12, 13 and
18, marked with 2 notches
on N. and 4 notches on E
edges, and raised a
mound of stone 2 ft high

East boundary of

chs. 4 ft base, alongside.
 Pits impracticable.
 Land, rolling and broken
 soil, stony, 3^d rate.
 No timber, cedar and
 juniper bush.

North lot, secs 7 and 12.

Var. $140^{\circ}39'$ East.

Over rolling land.

29.00 Descent gradually 100 ft

39.00 Ledge of rocks, 30 ft.
 high, bears N. E. and S. W.

40.00 Set a malpais stone
 $14 \times 12 \times 10$ ins. 10 ins. in
 the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N. face,
 and raised a mound of
 stone 2 ft. high 3 ft.

Sp. 25 N.R. 6 East. (cont)

- chs. base, alongside - Pits
impracticable -
- 41.00 Foot of descent, thence
over rolling land.
- 63.00 Descent 300 ft.
- 77.00 Foot of descent, thence
over level land.
- 81.00 Set a mae-pai 22 x 18 x 16
ins. 16 ins. in the
ground for use to see
1, 6, 7 and 12, marked with
1 notch on N. and 5 notches
on E. edges, and raised
a mound of stone 2 ft.
high, 3 ft. base, alongside -
Pits impracticable -
Land, rolling and broken.
Soil, stony, 35 rate.
No timber

East Ldy T. 25 N.R. 6 E. (concluded)

- | | |
|-------|--|
| chs. | North bet. secs 1 and 6 |
| | Var. $140^{\circ}39'$ East. |
| | Over rolling land. |
| 6.00 | Enter dense brush - |
| 7.00 | Descent 80 ft. |
| 9.00 | Foot of descent, and leave dense brush, enter open prairie. |
| 40.00 | Set a malpais stone $12 \times 12 \times 12$ ins. 8 ins. in the ground for $\frac{1}{4}$ sec. cor. marker $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. high, 3 ft base, along side. Put in practical |
| 80.00 | Set a malpais stone $18 \times 12 \times 6$ ins. 12 ins. in the ground for cor to |

N. body T. 25 N. R. 6 E.

chs. Tps. 25 and 26 N. R. 6 and
7 E. marked with 6
notches on N., E., S., and
W. edges, and raised a
mound of stone 2 ft.
high, 3 ft. base, along-
side. Pits impracticable.
Land, rolling.

Soil, stony, 3^d rate.

No timber, cedar and
pinon bush.

Land covered with dense
bush, 3 chs.

June 28, 1894.

June 29th at this cor
I verify the adjust-
ments of my instru-
ment and find them

North Boundary

chs. correct.

at 6 h 40^m a.m. sunset.
 I set off 23014" on the decl.
 arc, 35034" on lat. arc,
 and determine a true
 meridian with the solar,
 at the cor to Tps. 25 and
 26 N. R. 6 and 7 E.

Thence I run

West on a random line
 along N. by of T. 25 N. R. 6 E.

Var. 14039' East.

I set temporary half
 mile and mile corners at
 each 40 and 80 chains, and
 find the T^p. line to be
 6 miles, 6.70 chs. long,
 and the falling to be
 12 chs. S. of cor to

T. 25 N. R. 6 East. (cont.)

Secs. 25 and 26 N. R. 5 and 6 E.
 The correction for the
 true line will therefore
 be 2 lbs N. per mile, and
 its course will be
 $S. 89^{\circ} 59'$ East.

From the cor. to Secs. 25
 and 26 N. R. 5 and 6 E.,
 I run

$S. 89^{\circ} 59'$ E. on a true line
 bet. secs. 6 and 31.

Var. $14^{\circ} 39'$ East.

Over rolling land, ascent
 gradually 100 ft.

46.70 Set a line stone $12 \times 8 \times 7$
 in. P. in. in the ground
 for $\frac{1}{4}$ sec. cor marker
 $\frac{1}{4}$ on N. of all, and raised
 a mound of stone 2 ft.

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North boundary of

chs. 3 ft. base, alongside,
from which
a Pinon 12 mis. diam.
has N. $130^{\circ}37'$ E. 87 lbs. dist.
marked $\frac{1}{4}$ S.B.T.

a Pinon 8 mis. diam has
S. $81^{\circ}17'$ E. 93 lbs. dist.
marked $\frac{1}{4}$ S.B.T.

16.70 Set a lime stone $19 \times 8 \times$
6 mis. 15 mis. in the
ground for cor. to sec.
5, 6, 31 and 32, marked
with 5 notches on E. and
1 notch on W. edges, and
raised a mound of stone
2 ft high, 3 ft. base, along-
side. Pts impracticable
Land, rolling,
Soil, stony, 3rd rate.

Sp. 25 N. R. 6 E. (cont)

cho. No timber, cedar and
juniper bush.

S. $89^{\circ}59'$ E. on a true line
bet. sec. 5 and 32.

Var. $140^{\circ}39'$ East.

over rolling land, through
scattering brush.

37.00 Descent from mesa, bet.
N. E. and S. W. 400 ft

40.00 Set a lime stone $26 \times 12 \times 8$
ins. 19 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 bearing 12 ins. diam. bet.
N. $36^{\circ}30'$ W. 127 chs dist.

North boundary of

- chs. marked $\frac{1}{4}$ S. B. T.
 a Pinus 8 in diam. dbh
 N. 75° 4' W. 130 chs dist.
 marked $\frac{1}{4}$ S. B. T.
- 53.00 Set of ramble, course N. E.
 ascent 200 ft.
- 61.00 Top of ridge, bet. N. and S.
 Descent 200 ft.
- 67.00 Foot of descent, dense
 scattering brush, enter
 open prairie. Thence
 over level land.
- 77.69 Road from Flagstaff to
 Grand canon, bet. N. and
 S.
- 80.00 Set a level stone 20 x 4 x 10
 in 5 in. in the ground
 for cor. to secs. 45, 32 and
 33, marked with 4 matches

Tp. 25 N. R. 6 East (cont)

chs. on E. and 2 notches on
wedges, and raised a
mound of stone, $1\frac{1}{2}$ ft-
high, 2 ft. base, along
side. Pits impracticable.
Land, mountainous and
level.

Soil, stony, 3' rate-
No timber, cedar and prairie
bush.

mountainous land, 30 chs.-

S. $89^{\circ} 59'$ E. on a true line
bet. secs. 4 and 33.

Var. $14^{\circ} 39'$ East.

over level land.

40.00 Set a malpais stone $12 \times$
 9×6 in the ground in the
ground for $\frac{1}{4}$ sec. cor.

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

50.00 Set a lime stone $12 \times$
 12×8 ins, 8 ins in the
 ground for cor. to sets
 34, 33 and 34 marked with
 3 notches on E. and W.
 edges, and raised a mound
 of stone $1\frac{1}{2}$ ft high, 3 ft
 base alongside. Pits
 impracticable.
 Land, level.

Soil, stony 20 rate.
 No timber.

S. 090 59' E. on a true line

Tp. 25 N.R. 6 East. (cont)

chs. bet. sec. 3 and 34

Var. $14^{\circ}39'$ East.

over level land.

40.00 Get a malpais stone $23 \times 12 \times 10$ ins. 18 ins. in the ground for 14 sec. corner - marked 14 on N. face, and raised a mound of stone $1\frac{1}{2}$ ft high, 3 ft. base, alongside. Puts impracticable

80.00 Get a malpais stone $24 \times 12 \times 6$ ins. 18 ins. in the ground for cor. to sec. 2, 3, 34 and 35, marked with 2 notches on E. and 4 notches on W. edges, and raised a mound of stone 4 ft high, 5 ft. base, alongside - Puts impracticable

North boundary of

cho. Land, level,
Soil, stony, 30 rate
No timber.

I 09059' E. on a true line
bet secs. 2 and 35.

Var. 14039' East.

over level land.

7.70 an artificial ditch
bears N. and E.

40.00 Set a luni stone 16x12x
8 ins. 11 ins. in the ground
for 1/4 sec. cor. marked 1/4
on N. face, and raised a
mound of stone 2 ft high
3 ft. base, alongside. Pits
impracticable

80.00 Set a malpais stone 16x
14x8 ins. 11 ins. in the

T. 25 N. R. 6 E. (cont)

chs. ground for cor. to sec.
1, 2, 35 and 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, 3 ft. here, alongside
Puts impracticable.

\$ 890 59' E on a true line
bet sec. 1 and 36.

Var. 14039' East -

Over level land.

31.00 Leave open prairie, enter
scattering brush.

40.00 Set a limestone $16 \times 12 \times$
6 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

North boundary of

cho. 2 ft high, 3 ft base,
alongside. Pits imprac-
ticable

80.00 The cor to Tps 25 and 26,
N. Rs. 6 and 7 E.

Land, level.

Soil, stony, 3' rate.

No timber, cedar and pinon
bush.

June 29, 1894.

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T. 25 N. R. 6 East (cont)

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Lines designated as

True bearing

E. ldy T. 25 N. R. 6 E.	North
N. ldy T. 25 N. R. 6 E.	N. 89° 59' W.
N. ldy T. 25 N. R. 6 E.	South
S. ldy S. W. 1/4 sec. 31.	N. 89° 50' E.
S. ldy S. E. 1/4 sec. 31.	S. 89° 39' E.
S. ldy S. W. 1/4 sec. 32.	S. 89° 45' E.
S. ldy S. E. 1/4 sec. 32.	S. 89° 40' E.
S. ldy S. W. 1/4 sec. 33.	S. 89° 21' E.
S. ldy S. E. 1/4 sec. 33.	N. 89° 26' E.
S. ldy S. W. 1/4 sec. 34.	East.
S. ldy S. E. 1/4 sec. 34.	S. 89° 45' E.
S. ldy S. W. 1/4 sec. 35.	S. 89° 01' E.
S. ldy S. E. 1/4 sec. 35.	East.
S. ldy S. W. 1/4 sec. 36.	N. 89° 50' E.
S. ldy S. E. 1/4 sec. 36.	S. 89° 40' E.
Convergence	

Totals

Error in

Latitudes, Departures and closing errors.

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Dist.	Latitude		Departures	
	N.	S.	E.	W.
491.90	491.90			
486.70	.14			486.70
490.08		490.08		
40.67-	.12		40.67	
40.62-		.25	40.62	
40.62-		.18	40.62	
40.68-		.24	40.68	
40.72-		.46	40.72	
40.92-	.40		40.92	
40.61-			40.61	
40.52-		.18	40.52	
40.50-		.69	40.50	
40.45-			40.45	
40.42-	.12		40.42	
40.52		.23	40.52	
				.51
	492.68	492.31	487.25	487.21
	492.31		487.21	
Latitude	.37	Error in Departures .04		

N. bdy of T. 25 N. R. 6 E. (contd)

chs. General Description.

This township is rough and broken in the southern part, and contains some pine timber, and cedar and pinon bush.

The northern portion is rolling and level prairie

There are several large springs near the center of the township, owned by the A. I. cattle company.

Charles E. Perkins
Comptroller
U.S. Deputy Surveyor

No. 1372

U. S. Surveyor-General's Office,

TUCSON, A. T., July 13, 1895

The foregoing Field Notes of the Surveys of
N & E exterior Boundrys
of Tp. 25. N. R 6 E.

Gila and Salt River Meridian
 in *Arizona* executed by
F. W. Oury

U. S. Deputy Surveyor, under his contract dated
June 21st 1893
 having been critically examined, the necessary correc-
 tions and explanations made, the said Field Notes and
 the surveys they describe are hereby approved.

Geo. H. Manning
 U. S. Surveyor-General
 for the Territory of Arizona.