

RETRACEMENT
OF ~~THE~~ a portion of the
EAST & SOUTH BDYS.

T. 17 N. R. 6 E.

BOOK 1415

1415

No. 1415

4-671

FIELD NOTES
GENERAL LAND OFFICE.

No. 1415

X

Copied - E. V. May 20/03
Compared by G. M. Brown 1/6/04
Accounts checked by G. M. Brown 1/29/04

Field Notes
of the retracement of the
East and South Boundaries
of
Township No. 17 North
Range No. 6 East
of the
Gila and Salt River
Base and Meridian
in the
Territory of Arizona
as surveyed by
W. Oscar Reesor,
U. S. Deputy Surveyor.
Under his Contract No. 102
Dated June 30th 1902.
Survey commenced. Aug 1st 1903
Survey completed. Aug. 3^d, 1903.

Names and duties of assistants.

- Joel Anderson Chairman
- A. G. Johnson Chairman
- F. M. Lockwood Chairman
- C. J. Schwartz Assnau.
- H. H. Harpham Assnau.
- ~~H. K. Ward Assnau.~~
- Norman Coote Flagman.

71

Range.....

County.....

NORTH

6	109	5	100	4	96	3	87	2	20	1
		108		107		94		81		
7		8	102	9	91	10	79	11	17	12
				105		88		78		
18		17	103	16	86	15	75	14	15	13
		23		25		27		29		
19	31	20	37	21	51	22	61	23	12	24
		40		49		63		65		
30	34	29	42	28	54	27	68	26	10	35
		45		57		70		72		
31	36	32	47	33	59	34	74	35	6	36

For Preliminary catho. of assistants,
See subs. T. 19 N. R. 6 E.

BOOK 1415

Township 17 N., Range 6 E.
County,

NORTH

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

7
6
5
4
3
2
1
EAST

SOUTH

12

E. Boundary of

Survey commenced August 1st 1903, and executed with a Buff and Berger engineer's transit with Seagmuller Polar attachment.

The transit is numbered 672, the horizontal limb having two double verniers placed opposite to each other, and reading to 30" of arc.

The instrument was examined and approved by the Surveyor General of Arizona at Phoenix, Arizona.

At my camp near the cor. of Tps. 17 and 18 N., Rs. 6 and 7 E. I set off $18^{\circ} 11' N$ on the decl. arc; and at noon observed the sun on the meridian, the resulting lat. is $34^{\circ} 54' N$.

Sp. 17 N. R. 6 E.

Aug 1st 1903: at 4 p.m., l.m.t.
I set off $18^{\circ} 9' N$ on the decl. arc;
 $34^{\circ} 54' 7''$ on the lat. arc, and
determine a true meridian with
the solar, and mark the line
thus determined by a cross on a
stone firmly set in the ground
about 800 yds. N. of my station.

Allowing my instrument
to remain at this point, and at
 $10^{\text{h}} 50^{\text{m}}$ p.m., l.m.t. I observe
Polaris when at Eastern elongation
and mark the line thus determined
by a point on a stone firmly set
in the ground at about 800 yds. N.
of my station.

I now turn off the azimuth
of Polaris $1^{\circ} 29'$ to the west, for
the true meridian, and mark

E. Boundary of

the line thus determined by a cross on a rock firmin set in ground at about 8 chs. N. of my station which point falls 0.3 mis N. of the point determined by the solar observation.

Aug. 1st 1903

Aug 2^d, 1903: At 7 a.m.

l.m.t., I set off $18^{\circ}00'N$ on the decl. arc, $34^{\circ}54'N$ on the lat arc, and determine a true meridian with the solar, and note the point which falls 0.4 mis E. of the true meridian determined by the observation on Polaris; The magnetic bearing of said true meridian is $N. 14^{\circ} W.$ which gives the magnetic decl. $14^{\circ} E.$

Tp. 17 N. R. 6 E.

From the cor. of Tps 17 and 18 N. Rs. 6 and 7 E. I retrace the E. lay. of Tp. 17 N. R. 6 E. as follows.

Down the E. lay. sec. 1

Through dense pine timber and oak brush.

17.90

Road bears N. E and S. W.

40.15

old

The $\frac{1}{4}$ sec. cor. as described by the Surveyor General, bears N. 35 E. which makes the bearing and length of this $\frac{1}{2}$ mile. S. $0^{\circ}30'$ N. 40.15 chs.

Fence I run

from the $\frac{1}{4}$ sec. cor.

40.20

The cor. of sec. 1 and 12, ^{5 and 8} as described by the Surveyor General, bears E. 8 lks.

8
E. Boundary of

which makes the bearing
and length of this $\frac{1}{2}$ mile
OK S. $0^{\circ} 0'$ E. 40.20 chs.

Land rolling 80.35 chs.

Dense pine & oak 80.35 chs.

Soil 4th rate.

Sp. 17 N. R. 6 E.

S. bet secs 8 and 12.

40.25 The $\frac{1}{4}$ sec. cor. as described
 by the surveyor General
 Sears E. 5 lks. which makes
 the bearing and length of
 this $\frac{1}{2}$ mile S. $0^{\circ}04'$ E.

40.25 chs.

Thence I run

S. from $\frac{1}{4}$ sec. cor.

40.11 The cor. of secs. 12, 13, 8 and 17
 as described by the Surveyor
 General Sears E. 37 lks.
 which makes the bearing
 and length of this $\frac{1}{2}$ mile
 S. $0^{\circ}32'$ E. 40.11 chs.

Land rolling 80.36 chs

Druse pines & oaks. 80.36 chs.

Soil rocky. 4th rate.

E. Boundary of

S. 1/4 sec. 13 and 17.

40.14

The 1/4 sec. cor. as described by the Surveyor General bears N. 37° E. which makes the bearing and length of this 1/2 mile S. $0^{\circ}32'$ W. 40.14 chs.

Thence I run.

S. from 1/4 sec. cor.

40.02

The cor. of secs. 13, 24, 17 and 20, as described by the Surveyor General bears E. 2 chs. which makes the bearing and length of this 1/2 mile S. $0^{\circ}02'$ E. 40.02 chs.

Land rolling 80.16 chs.

Dense brush 80.16 chs.

Soil rocky 4th rate.

Sp. 17 N. R. 6 E.

The cor. last above described is on the edge of vertical bluff of Dry Beaver cañon 2500 ft. high which is impassable.

As I am unable to continue my measurements S. on this line, or to get a reasonable offset, I continue the line E. and at blank distance I intersect the 4th Standard Parallel north. 25.10 chs.

N. $89^{\circ}30'$ W. of standard cor.
of Sp. 17 N. R. 6 and 7 E.
established by Deputy Girard
July 2^d 1903

S. Boundary

Aug. 3^d - 1909, at 8 a.m. l.m.t.

I set off $17^{\circ} 44' N$ on the decl. arc; $34^{\circ} 49' N$ on the lat arc, and determine a true meridian with the solar at the Standard cor. of sec 34 and 35

Hence I run

S. $89^{\circ} 30' E.$ on S. $\frac{1}{4}$ sec.

sec 35.

Over mountainous land

Through dense brush.

38.50

Gulch course $N. W.$

39.80

Standard $\frac{1}{4}$ sec. cor. as described by the Surveyor General, which makes the course and distance of this $\frac{1}{2}$ mile S. $89^{\circ} 30' E.$ 39.80 ch.

Hence I run

Sp. 17 N. R. 6 E.

S. $89^{\circ}30'$ E. from $\frac{1}{4}$ sec cor.
Ascending steep slope of
mesa.

19.00 Top of mesa Bears Naus S.
39.80 Standard cor. of secs. 35
and 36, as described by the
Surveyor General, which
makes the course and
distance of this $\frac{1}{2}$ mile
S. $89^{\circ}30'$ E. 39.80 chs.
Lund mountains 77.60 chs.
Dense brush 79.60 chs.
Soil rocky, 4th rate.
August 3^d, 1903.

General Description

The east boundary of this township, included in this survey, lies on a rolling mesa, which is covered with pine timber and scrub oak, and dense oak brush.

There is no water in the vicinity of this line.

The E. bay. of sec. 35 is mountainous, is covered with dense brush, composed of oak and cat claus.

There is no water in the vicinity of this line

W. S. D. Deputy Surveyor.

W. S. Deputy Surveyor,

For Final Oaths, See subs.
T. 19 N. R. 6 E.

No. 1415
A P P R O V A L.

BOOK 1415 15

Office of the

United States Surveyor General,

Phoenix, Arizona.

The foregoing field notes of the ^{Retracement} ~~survey~~
of the East and South Boundaries of
Tf. 17 N. R 6 E
of the Gila and Salt River Base and Meri-
dian, in the Territory of Arizona.

Executed by *W. Oscar Secor,*

United States Deputy Surveyor, under his
contract No. 102, dated *June 30th* 1902,
having been critically examined, and the
necessary corrections and explanations
made, the said field notes, and the sur-
veys they describe, are hereby approved.

Frank S. Sigbee

U. S. Surveyor General.