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BOOK 2066

FIELD NOTES

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OF THE SURVEY OF THE

West boundary of Twp. 9 N. Rg. 10 E.

2066

Of the *Gila and Salt River* Meridian,
Territory of Arizona

AS SURVEYED BY

John J. Fisher, United States Deputy Surveyor,

Under his Contract No. *120*, dated *June 17*, *1904*

Survey commenced *October 23, 1904*, *189*

Survey completed *October 25, 1904*, *189*

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BOOK 2066

NAMES AND DUTIES OF ASSISTANTS.

<i>W. W. Oliver</i>	<i>Chairman</i>
<i>E. O. Hemenway</i>	<i>Chairman</i>
<i>A. A. Snyder</i>	<i>Assn</i>
<i>W. H. Post</i>	<i>Assn</i>
<i>Joseph Groves</i>	<i>Playman</i>

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BOOK 2066

INDEX DIAGRAM.

Township 9 N., Range 10 E.

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PRELIMINARY OATHS OF ASSISTANTS.

WE, W. W. Oliver and E. O. Hemenway
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the West boundary of Tp. 9 N. Rg. 10 E.

W. W. Oliver, Chainman.
E. O. Hemenway, Chainman.

Subscribed and sworn to before me this 23
day of October 1904, 189



My commission expires
May 17, 1908

J. J. Fisher
Notary Public

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.
_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 189



WE, A. A. Snyder and W. H. Post

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the West boundary of Tp. 9 N. Rg. 10 E.

A. A. Snyder, Axman.
W. H. Post, Axman.

Subscribed and sworn to before me this 23
day of October 1904, 189



My commission expires
May 17, 1908

J. J. Fisher
Notary Public

I, Joseph Groves, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the West boundary of Tp. 9 N. Rg. 10 E.

Joseph Groves, Flagman.

Subscribed and sworn to before me this 23
day of October 1904, 189



My commission expires
May 17, 1908

J. J. Fisher
Notary Public

West Boundary of Tp.9 N. R. 10 E.

Chains

The Survey commenced October 23d, 1904, and executed with a W. and L.E. Gurley Light Mountain Transit with solar attachment. Transit not numbered. The horizontal limb is provided with two double verniers, placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the lat. and decl. arcs. The instrument was examined, tested on the true meridian at Phoenix, found correct and was approved by the Surveyor General of Arizona,

I examine the attachments of the transit and find them correct. Then, to test the solar apparatus by comparing its indications resulting from solar observations made during A.M. and P.M. hours with the true meridian determined by observations on Polaris, I proceed as follows:

At the standard cor. of Tps. 9 N Rs. 9 and 10 E. lat. $34^{\circ} 4' 27''$ ~~$26''$~~ N. long. $111^{\circ} 20' 54''$ ^{$49''$} W. at 5 hrs. ~~O.M.~~ P.M. 1.m.t., I set off $34^{\circ} 4-1/2'$ N. on the lat. arc $11^{\circ} 27'$ S. on the decl arc and determine a meridian with the solar, and mark a point thereof on a stone set firmly in the ground 5 chs. N. from the cor.

October 23, 1904.

October 24th.

At 5 hrs. 8.65 min. A.M. 1.m.t. by my watch which has correct 1.m.t., I observe Polaris at western elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a plug driven in the ground 5 chs. N. of my station.

At 6 hrs. 30 min. A.M. 1.m.t., I lay off the azimuth of Polaris $1^{\circ} 27'$ ~~$26'$~~ to the E. and mark the meridian thus determined, by cutting a small groove in the stone set October 23d, on which the true meridian coincides with the meridian established by the solar.

At 7 hrs. 0 min. A.M., 1.m.t., I set off $34^{\circ} 4-1/2'$ N.

West Boundary of Tp. 9 N . R. 10 E.

Chains on the lat. arc, $11^{\circ} 39-1/2'$ S. on the decl arc, and mark a point in the meridian determined with the solar, by a cross (+) on a stone already set 5 chs. N. of my station. This mark coincides with the meridian established by the Polaris observation. The solar apparatus by P.M. and A.M. observations, defines positions for meridian which coincide with the meridian established by the Polaris observation; therefore, I conclude that the adjustments of the instrument are satisfactory.

The mag. brg. of the true meridian at 7 A.M. is N. $13^{\circ} 51'$ W. The angle thus determined gives the mean mag. decl. $13^{\circ} 51'$ E.

From the standard cor. of Tp. 9 N. Rs. 9 and 10 E. previously described, I now run

N. on a random line along the W. bdy. of Tp. 9 N. R. 10 E. setting temporary $1/4$ sec. and sec. cors. at intervals of 40 chs; and at 479.85 chs. intersect the S. bdy. of Tp. 10 N. R. 10 E. 162 lks. W. of the cor. of Tps. 9 and 10 N. Rs. 9 and 10 E., which is a stone 5 x 7 x 7 ins. above ground, marked with 6 notches on each edge, with a mound of stone 2 ft. base $1-1/2$ ft. high S. of cor.

The falling answers to a correction of $0^{\circ} 12'$ or 27 lks. W. per mile, counting from the N.W. cor. of the Tp.; therefore I run

S. $0^{\circ} 12'$ W. bet. Secs. 6 and 1.

Over rolling mountains along general east slope.

24.85 Cross wash 20 lks wide, course E.

39.85 Set a granite stone 26 x 15 x 8 ins. 20 ins. in the ground for $1/4$ sec. cor. Marked $1/4$ on W. face. Raise a mound of stone 2 ft. base $1-1/2$ ft. high W. of cor. Pits impracticable.

42.00 Change to S. slope

79.85 Set a granite stone 18 x 10 x 10 ins. 12 ins. in the ground for cor. of Secs. 1, 6, 7 and 12. Marked with 1 notch on N. and 5 notches on S. edges; from which

West Boundary of Tp. 9 N . R. 10 E.

Chains

a cedar 6 ins. diam. brs. N. 56-1/2° E. 116 lks. dist. marked T 9 N R 10 E S 6 B T .

A cedar 5 ins. in diam. brs. S 15° E. 109 lks. dist. marked T 9 N R 10 E S 7 B T .

A cedar 4 ins. in diam. brs. S 12-1/2° W. 89 lks. dist. marked T 9 N R 9 E S 12 B T .

A mesquite 4 ins. in diam. brs. N 24° W. 29 lks dist. marked T 9 N R 9 E S 1 B T .

Land mountainous;

Soil, rocky, 4th rate;

Timber, scattering cedar;

Undergrowth, mesquite;

Mountainous land, 79.85 chs.

October 24th, 1904.

October 25th.

At 7 hrs. 0 min. A.M. l.m.t. I set off 34° 9' N. on the lat. arc 12° 0' S on the decl. arc, and determine the meridian with the solar at the cor. of Secs. 1, 6, 7 and 12;

Thence I run

South, 0° 12' W. bet. Secs. 7 and 12.

Over rolling mountains through scattering brush and timber .

26.00 Cross gulch 20 lks. wide, course W.

40.00 Set a granite stone 18 x 12 x 10 ins. 12 ins. in the ground for 1/4 sec. cor, marked 1/4 on W. face; from which

A cedar 5 ins. diam. brs. N. 45° E. 117 lks. dist. marked 1/4 S 7 B T .

A pinyon 6 ins. diam. brs. S. 27-1/2° W. 141 lks. dist, marked 1/4 S 12 B T .

51.85 Cross dry wash 25 lks. wide, course S W .

56.25 Cross road brs. N.E. and S.W.

80.00 Set a quartzite stone 20 x 18 x 8 ins. 15 ins in the ground for ~~1/4~~ of sec. 7, 12, 13 and 18. Marked cor

West Boundary of Tp. 9 N . R. 10 E.

Chains

with 4 notches on S. and 2 notches on N. edges; from which

A cedar 3 ins. in diam. brs. N. 63-1/2° E. 50 lks. dist. marked T 9 N R. 10 E S 7 B T .

A cedar 3 ins. in diam. brs . S 54-1/2° E. 334 lks. dist marked T 9 N R 10 E S 18 B T .

A cedar 8 ins. in diam. brs. S 43-3/4° W. 442 lks. dist. marked T 9 N R 9 E S 13 B T .

A cedar 10 ins. in diam. brs. N. 41-1/2° W. 214 lks. dist. marked T 9 N R 9 E S 12 B T .

Land mountainous;

Soil, rocky, 4th rate;

Timber, scattering cedar;

Undergrowth, mesquite;

Mountainous land, 80 chs.

South 0° 12' W bet. Sections 13 and 18.

Descend over rolling mountain.

15.00 Over bottom land through dense burro brush.

16.10 Cross wagon road Globe to Payson. Brs. N.W. and S.E.

16.35 Cross fence, brs. N.W. and S.E.

36.00 Cross fence brs. N.W. and S.E.

37.00 Cross Rye Creek dry 1 ch. wide, course S.E.

40.00 Set a granite stone 18 x 12 x 10 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which

A desert willow 4 ins. in diam. brs. S. 87° E. 59 lks. dist. marked 1/4 S 18 B T .

A desert willow 6 ins. diam. brs. N. 60° W. 7 lks. dist. marked 1/4 S 13 B T .

Ascend over rolling mountain along general east slope.

82.00 Cross wash in canyon 30 lks. wide, course E.

80.00 Set a sand stone 26 x 16 x 6 ^{ins. 20 ins. in ground} for cor. of Secs. 13, 18, 19 and 24, marked with 3 notches on N. and S. edges.

West Boundary of Tn. 9N R. 10 E.

Chains

From which

A cedar 5 ins. in diam. brs. N. 89-1/2° E. 479 lks
dist. marked 2 N R 10 E S 18 B T .

No other trees available. Raise a mound of stones
2 ft. base 1-1/2 ft. high W. of cor. Pits impracticable.

- Land mountainous;
- Soil, rocky, 4th rate;
- Timber, scattering cedar;
- Undergrowth, mesquite;
- Mountainous land, 80 chs.

South 0° 12 ' W bet. Sections 19 and 24.

27.50

Cross dry creek 20 lks. wide, course E.

40.00

Set a sand stone 30 x 6 x 6 ins. ^{23 ins. in ground} for 1/4 sec. cor.

marked 1/4 on W. face; from which

A crucifixion 3 ins. diam. brs. S. 30-1/2° E. 39 lks.
dist. marked 1/4 S 19 B T .

A crucifixion 6 ins. brs. S 45-1/2 W. 172 lks.
marked 1/4 S 24 B T .

48.50

Cross gulch 20 lks. wide, course E.

80.00

Set a granite stone 30 x 12 x 12, ²² ins. in the
ground for cor. of Sec. 19, 24, 25 and 30, marked
with 4 notches on N. and 2 notches on S. edges. Raise
a mound of stone 2 ft. base, 1-1/2 ft. high W. of cor.
Pits Impracticable.

- Land mountainous;
- Soil, rocky, 4th rate;
- Timber, scattering cedars;
- Undergrowth, mesquite;
- Mountainous land, 80 chs.

October ~~October~~ 25th.

At this cor. I set off 12° 8-1/2 ' S. on the decl.
arc and observe the sun on the meridian at noon; the
resulting lat. is 34° 6' N.✓