

Deser. Starts
Jan 14/08

1886

Book "I."

BOOK 1886

FIELD NOTES

OF THE SURVEY OF THE

East boundary of Twp. 4 North Range 31
East

1886

1886

Of the *Gila and Salt River* Meridian,

Territory of Arizona

AS SURVEYED BY

John P. Hesse, United States Deputy Surveyor,

Under his Contract No. *121*, dated *June 17th*, 1904

Survey commenced *October 7th*, 1904

Survey completed *October 10th*, 1904

88
1A

BOOK 1886

NAMES AND DUTIES OF ASSISTANTS.

<i>George W. Cassidy</i>	<i>Chairman</i>
<i>A. A. Snyder</i>	<i>Chairman</i>
<i>W. W. Oliver</i>	<i>Arman</i>
<i>G. E. Wiswell</i>	<i>Arman</i>
<i>W. H. Post</i>	<i>Playman</i>

BOOK 1886
INDEX DIAGRAM.

Township 4 N, Range 32 E

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Meanders Page.....

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BOOK 1886

WE, George W. Cassidy and A. A. Snyder
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon 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 East boundary of Pps. 4 N. Rg. 31 E.

George W. Cassidy Chainman.
A. A. Snyder, Chainman.

Subscribed and sworn to before me this 1st
day of August, 1904



John D. Hesse
U. S. Dep. Surveyor

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 _____, 190 _____



WE, W. W. Oliver and G. E. Wiswell

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 East boundary of Pps. 4 N. Rg. 31 E.

W. W. Oliver Axman.
G. E. Wiswell, Axman.

Subscribed and sworn to before me this 1st
day of August, 1904



John D. Hesse
U. S. Dep. Surveyor

I, W. N. Post, 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 east boundary of Pps. 4 N. Rg. 31 E.

W. N. Post, Flagman.

Subscribed and sworn to before me this 1st
day of August, 1904



John D. Hesse
U. S. Dep. Surveyor

No notary available

Survey. Commenced October 7th, 1904, and executed with a W. and L. E. Gurley Solar Compass. 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 vernier of the Latitude arc. The vernier of the declination arc reads to 30 seconds of arc.

The instrument was examined, tested on the Meridian at Phoenix, Arizona, and was approved by the Surveyor-General on March 3rd, 1904.

I examine the adjustments of the compass, and correct the level and collimation errors; then to test the Solar apparatus, by comparing its indications resulting from solar observations, made during p.m., and a. m., observations, with a meridian determined by an observation on polaris, I proceed, as follows-

At the Witness Corner, to the Cor. of Tps. 3 and 4 N., Rs. 31 and 32, EAST, which corner is 11.62 chs. N. of the true Cor. pt. for said Tps. I set off $33^{\circ} 39\frac{1}{2}'$ N., on the lat. arc and $5^{\circ} 35' 30''$ S., on the decl. arc, and at 3 hours, 15 mins. p. m., l. m. t., determine a meridian with the Solar. and mark a point thereof, on a stone, firmly set in the ground 5 chs. N. of the station.

At 6 hs. 25 minutes, p. m., l. m. t., by my watch which is correct, I observe Polaris at eastern elongation, in accordance with instructions contained in the Manual of Surveying Instructions, and mark a poin in the line thus determined, on a plug driven in the ground, 5 chs. N. of the Cor.

Oct. 7th.

Oct. 8th. At 6.30 a. m., l. m. t., I lay off the azimuth of Polaris $1^{\circ} 27'$ to the West, and mark the true meridian thus determined, by cutting a small groove in the stone set Oct. 7th, on which the mer. falls .2 ins. east of the mark determined by the Solar.

At 7hs. 12 minutes, a. m., l. m. t., I set off $33^{\circ} 39\frac{1}{2}'$ N., on the lat. arc and $5^{\circ} 49' 00''$ S., on the decl. arc, and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls .24 ins. east of the meridian established by the Polaris observation.

The Solar apparatus by p. m., and a. m., observations defines positions for true meridians with sufficient accurateness, therefore, I conclude that the adjustments of the instruemtn are satisfactory.

The magnectic bearing of the meridian just determined at 7 hours, 30 mins. a. m., is N. 17° E.

From the Witness Corner, just described, I run NORTH, on a true line, on the west bdy. of tp. 4 N., R. 32 E., bet. secs. 31 and 36. Over rolling mountains through heavy pinon and juniper timber.

28.38

Set a malpais stone, 18 x 10 x 4 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence,

A pinon, 10 ins., in diam. brs. S. $66\frac{1}{2}^{\circ}$ E., 165 lks. dist. mkd. 1/4 S. 31 B.T.

A juniper, 4 ins., in diam. brs. S. $50\frac{1}{4}^{\circ}$ W., 37 lks. dist. mkd. 1/4 S. 36 B.T.

Chs.
68.38

Or 80.00 chs. N. of the pt. for the cor. to Tps. 3 and 4 N., Rs. 31 and 32, E., I set a malpais stone, 18 x 12 x 3 ins., 12 ins., in the ground for the cor. to secs. ~~21~~, 25, 30, 31 and 36, with 5 notches on the N., and 1 notch on the S. edges, whence,

A pine, 6 ins., in diam. grs. N. 62 3/4° E.,
50 lks. dist. mkd. T. 4 N., R. 32 E., S. 30 B.T.

A pine, 4 ins., in diam. brs. S. 29 3/4° E.,
50 lks. dist. mkd. T. 4 N., R. 32 E., S. 31 B.T.

A pine, 4 ins., in diam. brs. S. 78 1/4° W.,
28 lks. dist. mkd. T. 4 N., R. 31 E., S. 26 B.T.

A juniper, 12 ins., in diam. brs. N. 60 1/4° W.,
90 lks. dist. mkd. T. 4 N., R. 31 E., S. 25 B.T.

Land rough mts. covered with dense pine, pinon and juniper timber. 80.00 chs.

Soil 4th rate.

NORTH, on a true line bet. secs. 25 and 30.

Over rough rolling mts. through dense pine, pinon, cedar and juniper timber.

20.25 Cross wash, 15 lks. wide, course W.

36.00 Cross wash, 10 lks. wide, course W.

37.65 Cross wash, 10 lks. wide, course W.

40. Set a malpais stone, 18 x 12 x 4 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence,

A juniper, 12 ins., in diam. brs. N. 59° E., 45
lks. dist. mkd. 1/4 S. 30 B.T.

A pinon, 6 ins., in diam. brs. N. 76° W., 29
lks. dist. mkd. 1/4 S. 25 B.T.

45. Along steep west slope.

71.35 Cross wash, 5 lks. wide, course W.

80. Set a malpais stone, 26 x 14 x 10 ins., 19 1/2 ins. in the ground for the cor. of secs. 19, 24, 25 and 30, marked with 2 grooves on the S., and 4 notches on the N. edges,

A pinon, 14 ins., in diam. brs. N. 52° E., 80
lks. dist. mkd. T. 4 N., R. 32 E., S. 19 B.T.

A pinon, 10 ins., in diam. brs. S. 23 3/4° E.,
57 lks. dist. mkd. T. 4 N., R. 32 E., S. 30 B.T.

A pinon, 10 ins., in diam. brs. S. 49 1/4° W.,
78 lks. dist. mkd. T. 4 N., R. 31 E., S. 25 B.T.

A pinon, 15 ins., in diam. brs. N. 48 1/2° W.,
40 lks. dist. mkd. T. 4 N., R. 31 E., S. 24 B.T.

Land rough mts. covered with dense pine, pinon, juniper and cedar timber 80.00 chs.

Soil, rocky and 4th rate.

NORTH, on a true line, bet. secs. 19 and 24.

Over rolling mts. Along gentle west slope through heavy pinon and juniper timber.

.45 Cross wash, 15 lks. wide, course W.

1.45 Cross wash, 10 lks. wide, course W.

15.25 Cross wash, 15 lks. wide, course W.

20.90 Cross wash, 10 lks. wide, course W.

40. Set a sandstone, 24 x 8 x 8 ins., 18 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face,

A pinon, 8 ins., diam. brs. S. 31° E., 24 lks.
dist. mkd. 1/4 S. 19 B.T.

A juniper, 12 ins., in diam. brs. S. 57 1/2°
W., 30 lks. dist. mkd. 1/4 S., 24 B.T.

54.45 Cross Blue River, 15 lks. wide, course S.W. running water.

58.25 Road N. E. and S. W. from Clifton to Luna.

67.65 Cross Blue River, 20 lks. wide, course S.E.

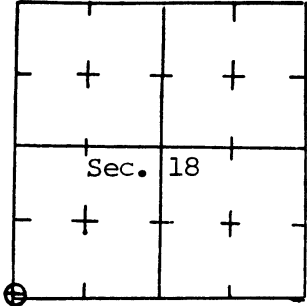
69.45 Cross road bears S. E. and N. W. Clifton to Luna.

Filed as required by Arizona Revised Statutes, Section 33-106 (1972)

Sec. 18 Twp. 4 North Range 31 & 32 East, Meridian G&SR

County of Greenlee, State of Arizona

See other side of sheet for regulations



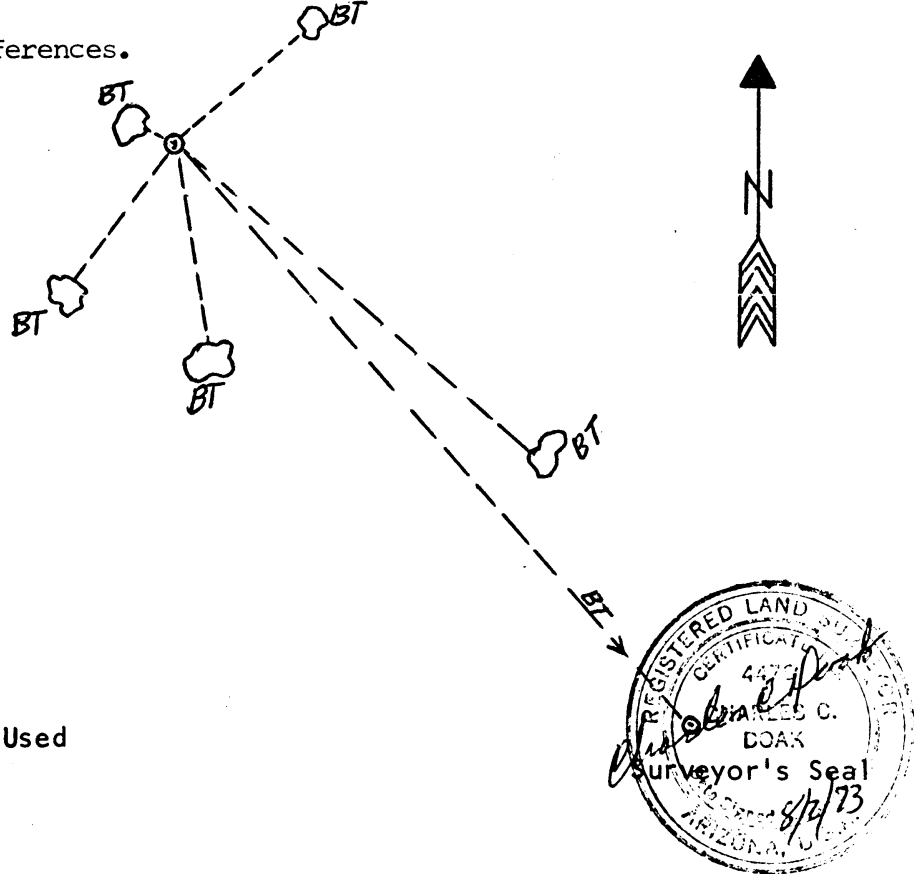
1. Type of Monument Section Corner Quarter Corner
Section Corner
 Other (specify) _____

2. Description of Evidence Found. Found malpais stone 6 ins. x 9 ins. x 5 ins. above ground. Marked with 3 notches to the south edge and 3 notches to the north edge; whence, a dead and fallen walnut, 6 ins. in diam. brs. S. 45 1/4° W., 85 lks. dist. mkd. T. 4 N., R. 31 E., S. 24 B.T., a pine stump 8 ins. high, 25 ins. in diam. brs. S. 32 3/4° E., 363 lks. dist. mkd. T.

3. Description of Replacement Monument. To the north of corner build a mound of stone 3 feet at base and 3 feet high. From the corner a juniper 13 ins. in diam. brs. N. 56° W., 9 lks. dist. mkd. T. 4 N., R. 31 E., S. 13 B.T. A juniper 20 ins. in diam. brs. N. 59 1/2° E., 81 lks. dist. mkd. T. 4 N., R. 32 E., S. 18 B.T. A juniper 8 ins. in diam. brs. S. 40° E., 111 lks. dist. mkd. T. 4 N., R. 32 E., S. 19 B.T.

4. ~~Sketch of Monument and References.~~ A juniper 20 ins. in diam. brs. S. 1/2° W., 49 lks. dist. mkd. T. 4 N., R. 31 E., S. 24 B.T.

4. Sketch of Monument and References.



5. Specify Coordinate System Used

SURVEYOR'S CERTIFICATE.

I, Charles C. Deak, Registered ^{Prof. Engineer} Land Surveyor No. 4476 in the State of Arizona do hereby certify that the foregoing is a true, complete and accurate representation of the monument, or monuments, recovered, rehabilitated, restored, re-established or otherwise affected and mentioned in the foregoing record.

Date survey was completed 8/22/73
 Date Corner Record filed _____

Charles C. Deak
 Registered Land Surveyor
 Registered Professional Engineer

Book _____ Page _____ Monument Records

Accepted for filing on this 17 day of August, 1973 11:10 A.M.
 in the office of the County Recorder Greenlee County,
 State of Arizona.

Elizabeth Rea
 County Recorder

3. WEST, bdy. of Tp. 4 N., R. 32 E., Continued.

Chs.
70.25 Cross fence bears S. E. and N.W.
73.90 Irrigating ditch course S.W. 12 lks. wide.
79.50 Log fence bears S. E. and N.W.
80. Set a malpais stone, 18 x 8 x 6 ins., 12 ins., in the ground for the cor. to secs. 13, 18, 19 and 24, marked with 3 notches on the N. and S. edges, whence,
A Cottonwood, 10 ins., in diam. brs. N. 38° E., 138 lks. dist. mkd. T. 4 N., R. 32 E., S. 18 B.T.
A pine, 12 ins., in diam. brs. S. 32 3/4° E., 363 lks. dist. mkd. T. 4 N., R. 32 E., S. 19 B.T.
A walnut, 4 ins., in diam. brs. S. 45 1/4° W., 85 lks. dist. mkd. T. 4 N., R. 31 E., S. 24 B.T.
A pine, 12 ins., in diam. brs. N. 34° W., 94 lks. dist. mkd. T. 4 N., R. 31 E., S. 13 B.T.
Land rough mts. covered with dense pine, pinon, cedar and juniper timber 80.00 chs.
Soil, rocky and 4th rate.

Oct. 8th, 1904.

26.40 Oct. 9th, at 8 hours, 5 minutes, a. m., l. m. t., I set off 33° 41' N., on the lat. arc, 6° 13' 30" S., on the decl. arc and determine a meridian with the Solar, thence I run,
NORTH, on a true line, bet. secs. 13 and 18.
Over rolling mts. through heavy pine and pinon timber.
Cross Blue River, 12 lks. wide, running stream, course S. W.

40. The point for 1/4 sec. cor falls on steep slide, where it would be liable to being washed out, so I continue, and at

40.50 Cross wash, 15 lks. wide, course E.
45.25 Set a malpais stone, 24 x 12 x 8 ins., 8 ins., in the ground to bed rock and surround same with a mound of stone, marked W. C. 1/4 on the W. face, for witness corner to the 1/4 sec. cor.

A pine, 6 ins., in diam. brs. N. 13 1/2° W., 23 lks. dist. mkd. W. C. 1/4 S., 13 B.T.
A pine, 16 ins., in diam. brs. N. 58 1/2° E., 92 lks. dist. mkd. W. C. 1/4 S. 18 B.T.

53.00 Cross wash, 15 lks. wide, course E.
73.25 Cross wash, 5 lks. wide, course N.E.
74.60 Cross wash, 10 lks. wide course E.

80. Set a malpais stone, 18 x 12 x 12 ins., 12 ins., in the ground for the cor. of secs. 7, 12, 13 and 18, marked with 4 notches on the S. and 2 notches on the N. edges,
A juniper, 18 ins., in diam. brs. N. 21 1/2° E., 21 lks. dist. mkd. T. 4 N., R. 32 E., S. 7 B.T.
A pine, 10 ins., in diam. brs. S. 75 3/4° E., 31 lks. dist. mkd. T. 4 N., R. 32 E., S. 18 B.T.
A pine, 4 ins., in diam. brs. S. 70 1/4° W., 29 lks. dist. mkd. T. 4 N., R. 31 E., S. 13 B.T.
A pine, 8 ins., in diam. brs. N. 39 1/4° W., 63 lks. dist. mkd. T. 4 N., R. 31 E., S. 12 B.T.
Land rough and mts. and covered with a dense growth of pine, juniper, cedar and pinon. 80. chs.
Soil rocky and 4th rate.

At this section corner at 12 o'clock, noon, I.m.t. by my watch, which is correct, I set off 6° 19' 00" S., on the decl. arc and observe the Sun on the meridian the resulting latitude is 33° 42' N.

4.00 NORTH, on a true line, bet. secs. 7 and 12.
Ascending over very rough, rolling mts. through dense pine, pinon and juniper timber.
Cross wash, 15 lks. wide, course E.

4.

WEST, bdy. of Tp. 4 N., R. 32 E., Continued.

Chs. 40.	<p>✓ Set a malpais stone, 18 x 6 x 4 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence,</p> <p>A pine, 6 ins., in diam. brs. S. 49 1/2° W., 9 lks. dist. mkd. 1/4 S. 12 B.T.</p> <p>A Spruce, 6 ins., in diam. brs. S. 78° E., 41 lks. dist. mkd. 1/4 S. 7 B.T.</p>
41.60	Cross, wash, 15 lks. wide, course E. and timber becomes very dense of spruce and pine.
80. ✓	<p>Set a malpais stone, 18 x 10 x 8 ins., 12 ins., in the ground for the cor. of secs. 1, 6, 7 and 12, marked with 5 notches on the S. and 1 notch on the N. edges, whence,</p> <p>An oak, 4 ins., in diam. brs. N. 64 3/4° E., 6 lks. dist. mkd. T. 4 N., R. 32 E., S. 6 B.T.</p> <p>A pine, 20 ins., in diam. brs. S. 74 3/4° E., 123 lks. dist. mkd. T. 4 N., R. 32 E., S. 7 B.T.</p> <p>A pine, 20 ins., in diam. brs. S. 76 3/4° W., 62 lks. dist. mkd. T. 4 N., R. 31 E., S. 12 B.T.</p> <p>An oak, 10 ins., in diam. brs. N. 70° W., 36 lks. dist. mkd. T. 4 N., R. 31 E., S. 1 B.T.</p> <p>Land rough mts. and covered with dense pine, juniper, spruce, oak and pinon timber. 80.00 chs.</p> <p>Soil rocky and 4th rate.</p>
	Oct. 9th, 1904.

	<p>Oct. 10th, at 7 hours, 30 minutes, a. m., 1. m. t., I set off 33° 43' N., on the lat. arc and 6° 35' 30" S., on the decl. arc and determine a meridian with the Solar at the the cor. of secs, 1, 6, 7 and 12, thence, I run,</p> <p>NORTH, on a true line, bet. secs. 1 and 6.</p> <p>Over rough mts. through heavy timber.</p>
19.60	Gully, 10 lks. wide, course N. E. and ascend.
21.00	Top of ridge bears N. E. and S. W. and descend.
22.40	Gully, 15 lks. wide, course N. E. and ascend.
23.65	Top of spur bears E. and W. and descend.
26.65	Gully, 10 lks. wide, course S. E. and ascend.
32.00	Top of ridge bears E. and W. and descend.
34.50	Gully, 10 lks. wide, course N.E.
39.10	Gully, 10 lks. wide, course N.W.
40.	<p>✓ Set a malpais stone, 18 x 12 x 7 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence,</p> <p>An oak, 7 ins., in diam. brs. N. 39° E., 47 lks. dist. mkd. 1/4 S. 6 B.T.</p> <p>An oak, 9 ins., in diam. brs. S. 21° W., 34 lks. dist. mkd. 1/4 S. 1 B.T.</p>
51.00	Top of ridge bears E. and W.
54.50	Gully, 10 lks. wide, course N. W. and ascend.
61.00	Top of ridge bears E. and W. and descend.
95.15	Cross creek, running stream, 6 lks. wide, course N.E. and ascend.
97.00	Top of spur bears N. E. and S. W. and desc.
99.85	Dry creek, 60 lks. wide, course E. and ascend.
100.95	Gully, 10 lks. wide, course S.E. and asc.
110.	Top of ridge bears N. and S. and desc.
117.	Gully, 10 lks. wide, course N.
119.	Same gully, bearing N. E.
134.	Gully, 15 lks. wide, course N. E.
136.50	Over bottom land. through dense brush.
137.25	Cross Blue River, running stream, 25 lks. wide, course east and ascend.
137.50	Log fence bears E. and W.
140.50	Fense E. and W. logs.
140.65	Road bears E. and W' From Luna to Clifton and leave

Chs.	Canon bottom and ascend steep.
162.00	Top of ridge bears E. and W. and desc.
168.75	Gully, 10 lks. wide, course W.
170.00	Top of ridge bears E. and W. and desc.
173.	Gully, 10 lks. wide, course W. and ascend.
175.00	Top of ridge bears E. and W. and descend.
179.25	Dry creek, 10 lks. wide, course S. W. and ascend.
199.00	Top of ridge bears E. and W. and descend.
202.50	Gully, 15 lks. wide, course W. and asc.
207.	Top of ridge bears E. and W. and desc.
213.50	Dry creek, 30 lks. wide, course S. W. and ascend.
220.00	Top of spur bears S. E. and N. W. and desc.
225.60	Gully, 10 lks. wide, course S. E. and ascend.
241.	Top of ridge bears S. E. and N. W. and desc.
249.	Dry creek, 45 lks. wide, course S. E. and ascend.
253.	Top of ridge bears S. E. and N. W. and descend.
256.00	Gully, 10 lks. wide, course E.
264.00	Gully, 15 lks. wide, course E. and ascend.
274.00	Gully, 10 lks. wide, course S. E. and ascend.
290.	Top of ridge bears S. E. and N. W. and descend.
310.75	Cross Turkey Creek, running stream, course S. E. and ascend.
345.	Top of ridge bears S. E. and N. W. and desc.
347.05	Dry creek, 20 lks. wide, course S.E.
352.97	Intersect the First Standard Parallel North, at a pt. 2.36 chs. West, of the standard 1/4 sec. cor. of the S. bdy. of sec. 33, as described by the Surveyor-General.

Set a malpais stone, 22 x 12 x 4 ins., 16½ ins., in the ground for closing corner to secs. 1 and 6, marked C. C. on the S. and 6 grooves on the S.E., and W. edges, whence,

A pinon, 6 ins., in diam. brs. S. 22 1/2° E., 173 lks. dist. mkd. C. C. T. 4 N., R. 32 E., S. 6 B.T.

A juniper, 11 ins., in diam. brs. S. 81 1/2° W., 46 lks. dist. mkd. C. C. T. 4 N., R. 31 E., S. 1 B.T. Land rough mountains, covered with dense pine, pinon, juniper, oak and some cedar timber 352.97 chs. Soil, rocky and 3rd to 4th rate.

October, 10th, 1904.

General Description.

Tp. 4 N., R. 32 E., is rough and mts. and cut by many deep and precipitous canons. The tp. is covered with a dense growth of pine, pinon, juniper, cedar and oak timber.

John D. Hesse
 U. S. Deputy Surveyor.

Oct. 10th, 1904.

LIST OF NAMES.

A list of the names of the individuals employed by John P. Hesse
....., United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of the east
boundary of Pps. 4 N. Rg. 31 E.
.....
showing the respective capacities in which they acted:

George W. Cassidy, Chainman.

A. A. Snyder, Chainman.

....., Moundman.

....., Moundman.

W. W. Oliver, Axman.

G. E. Wiswell, Axman.

W. H. Post, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John P. Hesse
....., United States Deputy Surveyor, in surveying all
those parts or portions of the east boundary of Pps. 4 N. Rg.
31 E.

..... of the Gila
Salt River meridian, Territory of Arizona which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for Arizona

George W. Cassidy, Chainman.

A. A. Snyder, Chainman.

....., Moundman.

....., Moundman.

W. W. Oliver, Axman.

G. E. Wiswell, Axman.

W. H. Post, Flagman.

Subscribed and sworn to before me this 10th
day of October, 1904



John P. Hesse
U.S. Dep. Surveyor

No notary available

97.
BOOK 1886

I, John P. Hesse, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank J. Ingalls United States Surveyor General for Arizona, bearing date of the 17 day of June, 1904, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of east boundary of
Sp. 4 N. R. 31 E.

of the Gila and Salt River meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

John P. Hesse
United States Deputy Surveyor.

Subscribed by said John P. Hesse and sworn to before me }
this 17th day of June, 1904.



Frank J. Ingalls
U. S. Surveyor General

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix A.T. April 21, 1905

The foregoing field notes of the survey of the East boundary of T. 4 N. R. 31 E. of the Gila and Salt River Base and Meridian, in the territory of Arizona

executed by John P. Hesse, U. S. deputy Surveyor under his contract No. 121, dated June 17 1904, 1904, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank J. Ingalls
United States Surveyor General.

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~
~~has been correctly copied from the original notes on file in this office.~~

~~United States Surveyor General.~~