

*Base line 1701*

1879

Book "B."

BOOK 1879

# FIELD NOTES

BOOK 1878

OF THE SURVEY OF THE

*Subdivision lines of Township 1*

*North Range 30 East*

*Retracement S. Bdy Sec. 36.*

BOOK 1879

1879

1879

Of the *Gila and Salt River* Meridian,

*Territory of Arizona*

AS SURVEYED BY

*John G. Hesse*, United States Deputy Surveyor,

Under his Contract No. *121*, dated *June 17, 1904*, 189

Survey commenced *August 16*, 1904

Survey completed *August 19*, 1904

NAMES AND DUTIES OF ASSISTANTS.

George W. Cassidy	Chairman
A. G. Snyder	Chairman
W. W. Oliver	Chairman
G. E. Wiswell	Chairman
W. N. Fort	Wagman

122  
1B

BOOK 1879  
INDEX DIAGRAM.

Township 1 N., Range 30 E.

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

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 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 subdivision lines of Twp. 1 N. Rg. 30 E.

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

Subscribed and sworn to before me this 1<sup>st</sup>  
day of August 1904, 189



John G. 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 \_\_\_\_\_, 189



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 subdivision lines of Twp. 1 N. Rg. 30 E.

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

Subscribed and sworn to before me this 1<sup>st</sup>  
day of August 1904, 189



John G. Hesse  
U. S. Dep. Surveyor

I, W. H. 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 subdivision lines of Twp. 1 N. Rg. 30 E.

W. H. Post, Flagman.

Subscribed and sworn to before me this 1<sup>st</sup>  
day of August 1904, 189



John G. Hesse  
U. S. Dep. Surveyor

No notary available

Chs.

Survey commenced August 16th, 1904, and executed with a W. and L. E. Gurley Solar Compass, not numbered, the horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is the least count of the vernier of the latitude arc. The declination arc vernier reads to 30 seconds.

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

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

As my instructions only provide for the survey of the agricultural lands lying along or within the Canon of the Blue River, and as said canon, from the survey of the range lines bet. Rs. 30 and 31 E., T. 1 N., only seems to traverse the eastern portion of this township, I commence my surveys and confine them in this sectionizing work to the first range of sections to the east, as said lines will embrace all settlers whose claims are on the Blue River in this tp.

At the Cor. of secs. 35 and 36 on the Gila and Salt River Base line, which is boundary post No. 20 of the Black Mesa Forest Reserve, as described by the surveyor-general, I set off  $33^{\circ} 23' N.$ , on the lat. arc.,  $13^{\circ} 40' 30'' N.$  on the decl. arc; and, at 3h. 2m. p. m., l. m. t., determine with the solar a meridian and mark a point thereof; on a stone firmly set in the ground, 5 chs. N. of my corner.

At 9h 48m p. m., by my watch, which is set to l. m. t., I observe Polaris at eastern elongation, in accordance with the manual of surveying instructions and mark a point in the line thus determined, on a plug driven in the ground, 5 chs. N. of my station.

August 16th, 1904.

August 17th, 1904, at 7 a. m., l. m. t., I lay off the azimuth of Polaris,  $1^{\circ} 26'$  to the west and mark the meridian thus determined, by cutting a groove in the stone set August 16th, on which the meridian falls 0.2 ins., east of the mark determined with the Solar.

At 8h 5 m, a. m., l. m. t., I set off  $33^{\circ} 23' N.$ , on the lat. arc.,  $13^{\circ} 27' 18'' N.$ , on the decl. arc and mark a point on the true meridian determined with the Solar, by a cross on the stone already set 5 chs. N. of my station; this mark falls 0.3 ins., east of the meridian established by the Polaris observation.

The solar apparatus, by p. m., and a. m., observations practically defines the meridian conformable to the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

Magnetic declination as corrected  $17^{\circ} 23' E.$

From the section corner already described, I run East on a true line on the S. boundary of Sec. 36, along the Gila and Salt River Base Line, over steep N. slope of mountain through pine and juniper timber. Ravine 20 lks. wide, course N. E.

Fell 2 lks. N. of the  $1/4$ .sec. cor. as described by

5.50  
39.81

2. Subdivisions of a portion of T. 1 N., R. 30 E., Con.

Chs.  
 41.61 the surveyor-general.  
 52.77 Ravine course N. N. E.  
 69.60 Top of ridge bears N. and S.  
 79.75 Ravine course N.  
 Fell 1 lk. N. of the Cor. of secs. 31 and 36. as described  
 Mountainous land 79.75 chains. by the Surveyor General.  
 Timber pinon and juniper.  
 Soil, rocky 3rd and 4th rates.

-----  
 Returning to the Cor. of Secs. 35 and 36, I run,  
 N. 0° 01' W., on a true line bet. secs.  
 35 and 36.

Over rough broken mountains through scattering pine,  
 pinon, cedar and juniper timber, and scattering brush  
 of oak.

Ascending.  
 Top of ridge bears east and west and descend.

38.50 Ravine 15 lks. wide, course N. W.  
 40.00 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, from which,

A pinon, 6 ins. in diam. N. 61 1/2° E., 84 lks. dist. mkd. 1/4  
 S. 36 B. T.

A Cedar, 6 ins., in diam. brs. N. 71 1/2° W.,  
 21 lsk. dist. mkd. 1/4 S., 35 B. T.  
 43.10 Ravine 15 lks. wide, course W.

Ascend steeper.  
 48.09 Top of ridge bears E. and W. and descend.

72.30 Ravine 10 lks. wide, course W.

78.04 Cross Squaw Creek(dry) 1.50 chs. wide, course N. E.  
 and ascend.

80.00 Set a malpais stone 18 x 8 x 5 ins., 12 ins., in the  
 ground for the corner of sections 25, 26, 35 and 36,  
 marked with 1 groove on the S and E. edges, whence,

A pinon, 6 ins., in diam. brs. N. 80° E., 190  
 lks. dist. mkd. T. 1 N., R. 30 E., S. 25 B. T.

A Pinon, 6 ins., in diam. brs. S. 33° W.,  
 49 lks. dist. mkd. T. 1 N., R. 30 E., S. 36 B. T.

A pinon, 12 ins., in diam. brs. N. 86 1/2° W.,  
 113 lks. dist. mkd. T. 1 N., R. 30 E., S. 26 B. T.

No other trees with limits and raise a mound of stone  
 4 ft. base, 2 ft. high W. of Cor. Pits impracticable.  
 Land broken rugged mountains 80.00 chains.  
 Timber scatterg cedars, pinon, and juniper.  
 Soil rocky 4 th rate.

-----  
 E.  
 W. on a random line bet. secs. 25 and 36.

40.00 Set temp. 1/4 sec. cor.  
 79.92 Intersect the East boundary of the Tp. at 4 lks. S.  
 of the Cor. of secs. 25, 30, 31 and 36 as heretofore  
 described.

Thence I run, S. 89° 58' W.

On a true line bet. secs. 25 and 36, descending ~~of~~  
 steep w. slope of mountain over breaks into Canon of  
 the Blue River.

12.85 To Center of Blue River Canon, running stream of  
 water 18 lks. wide, course S. W. and ascend.

13.90 Begin steep ascent, thence over rough ridge top.

37.35 Ravine 25 lks. wide, course S.  
 Set a malpais stone, 24 x 12 x 7 ins., 18 ins., in  
 the ground for 1/4 sec. cor. marked 1/4 on the N. face,  
 whence,

~~39.94~~  
 29.96

A Cedar, 6 ins., in diam. brs. S. 26° W., 67  
 lks. dist. mkd. 1/4 S. 36 B. T.

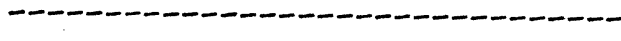
A Cedar, 8 ins., in diam. brs. N. 46° W., 224 lks.  
 dist. mkd. 1/4 S. 25 B. T.

3. Subdivisional lines in T. 1 N., R. 30 E., Ariz. Continued.

Chs.	At this 1/4 sec. cor. I set off 13° 23' 36'' N., on the decl. arc and at 12 o'clock noon I observe the Sun on the Meridian the resulting latitude is <del>33° 23' 45''</del> N. 33° 24' N
51.30	Ravine 20 lks. wide course S.
59.80	Top of ridge bears N. and S. and descend.
64.50	Squaw Creek (dry) 220 lks. wide, course S. E. Ascend steep.
65.93	Bluff 80 ft. high,
71.40	Bluff 60 ft. high.
78.42	Recross Squaw Creek, 1.55 chs. wide, course N.85°E. and ascend.
79.92	The cor. of secs. 25, 26, 35 and 36 as heretofore described. Land rough and rugged mountains 79.92 chs. Timber, pine, pinon, juniper and cedar. Soil rocky 4th rate.
-----	
	N. 0° 01' W., on a true line bet. secs. 25 and 26. Ascending S. slope of rough and rugged mountain slope, through scattering oak brush and cedar and juniper timber.
10.00	Enter dry creek 25 lks. wide, course S., cross and recross same.
21.05	Leave creek, 20 lks. wide, course S. E. (dry)
30.57	Cross Ravine 10 lks. wide, course W.
40.00	Set a malpais stone, 22 x 12 x 8 ins., 16 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, from which, An oak, 6 ins., in diam. brs. S. 39 3/4° E., 36 lks. dist. mkd. 1/4 S. 25 B. T. An oak, 10 ins., in diam. brs. N. 66 1/2° W., 18 lks. dist. mkd. 1/4 S., 26 B. T.
57.09	Top of ridge bears E. and W.
63.95	Ravine 15 lks. wide, course E.
80.00	Set a malpais stone, 24 x 12 x 6 ins., 18 ins., in the ground for the corner of secs. 23, 24, 25 and 26, marked with 2 grooves on the S. and 1 groove on the E. edges, whence, A Cedar, 4 ins., in diam. brs. N. 23° E., 86 lks. dist. mkd. T. 1 N., R. 30 E., S. 24 B. T. A juniper, 5 ins., in diam. brs. S. 64 1/2° E., 256 lks. dist. mkd. T. 1 N., R. 30 E., S. 25 B. T. A juniper, 15 ins., in diam. brs. S. 32° W., 50 lks. dist. mkd. T. 1 N., R. 30 E., S. 23 B. T. A Cedar, 6 ins., in diam. brs. N. 81 1/2° W., 19 lks. dist. mkd. T. 1 N., R. 30 E., S. 23 B. T. Land broken mountains 80.00 chains. Timber, scattering juniper, pinon, oak and cedar. Scattering oak underbrush. Soil, rocky and 4th rate. August 17th, 1904.
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	At the cor. of secs. 23, 24, 25 and 26. August 18th, 1904, at 7 a. m., l. m. / t., I set off 33° 25' N. on the lat. arc and 13° 09' 30'' N., on the decl. arc and determine a true meridian with the Solar, thence I run, N. 89° 58' E., on a random line bet. secs. 24 and 25.
40.00	Set temp. 1/4 sec. cor.
80.12	Intersect the east boundary of the Tp. at 9 lks. N. of the corner of sections 19, 24, 25 and 30, Thence I run, N. 89° 58' W., on a true line bet. secs. 24 and 25 Over rough broken mountains through scattering cedar, juniper and oak timber.
5.74	A ravine, 20 lks. wide, course N. W. enter open draw
23.40	Leave rough and broken draw and ascend.

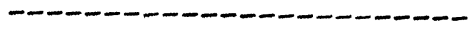
Subdivisional lines in T. 1 N., R. 30 E., Continued.

Chs.  
 24.63 Cross road bears N. E. and S. W. Clifton to Luna Valley.  
 31.83 Cross Blue River, 50 lks. wide, running stream course S. W.  
 32.40 Leave Canon bottom and begin steep ascent.  
 35.40 Top of ridge bears N. and S. and leave Canon of the Blue River.  
 40.06 ✓ Mark a cross, for exact cor. point, on a malpai rock in place, 5 x 4 x 3 ft. above ground, and 1/4 N. of cross, whence,  
     A juniper, 16 ins., in diam. brs N. 42° E., 37 lks. dist. marked 1/4 S. 24 B. T.  
     An oak, 6 ins., in diam. brs. S. 88 1/2° E., 64 lks. dist. mkd. 1/4 S. 25 B. T.  
 61.48 A wash, 15 lks. wide, course S. E.  
 80.12 The cor. of secs. 23, 24, 25 and 26, heretofore described.  
 Mountainous land rough and badly broken, 80.12 chs. Timber, scattering oak, pinon, juniper and cedar. Scattering oak underbrush. Soil, rocky 4th rate.



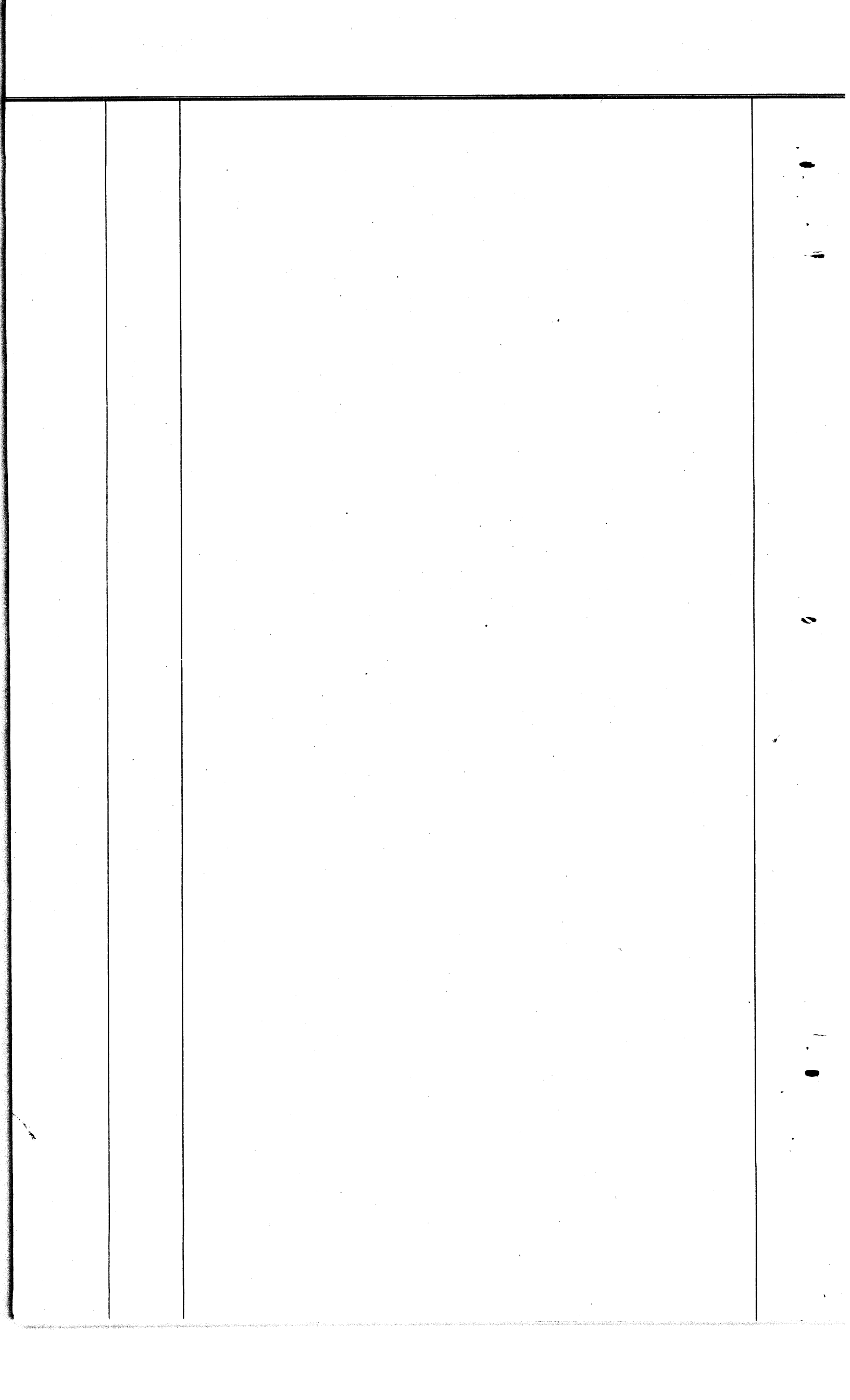
N. 0° 05' W., on a true line bet. secs. 23 and 24. Over rolling and rough mountains through scattering cedar and juniper timber. Descending.  
 4.45 Gully 10 lks. wide, course S. E.  
 22.00 Descend into deep canon, course S. S. E.  
 30.25 Dry creek bottom of same, 70 lks. wide, course E. to the Canon of the Blue, and ascend.  
 40.00 ✓ Set a malpais stone, 30 x 24 x 8 ins., 24 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence,  
     An oak, 4 ins., in diam. brs. S. 88 1/2° E., 77 lks. dist. mkd. 1/4 S. 24 B. T.  
     An oak, 5 ins., in diam. brs. N. 35° W., 74 lks. dist. mkd. 1/4 S. 23 B. T.  
 54.15 Descend into Canon.  
 70.45 Bottom of same and Ravine 20 lks. wide, course E. and begin ascent.  
 80.00 ✓ Set a malpais stone, 24 x 19 x 8 ins., 18 ins., in the ground for the cor. of secs. 13, 14, 23 and 24 mkd. with 3 grooves on the S. and 1 groove on the E. edges; whence,  
     A pinon, 4 ins., in diam. brs. N. 85° E., 113 lks. dist. mkd. T. 1 N., R. 30 E., S. 13 B. T.  
     A juniper, 12 ins., in diam. brs. S. 53 3/4° E., 123 lks. dist. mkd. T. 1 N., R. 30 E., S. 24 B. T.  
     A pinon, 6 ins., in diam. brs. S. 13 1/2° W., 51 lks. dist. mkd. T. 1 N., R. 30 E., S. 23 B. T.  
     A pinon, 6 ins., in diam. brs. N. 52 1/2° W., 111 lks. dist. mkd. T. 1 N., R. 30 E., S. 14 B. T.  
 Land rough mountains, 80.00 chains. Soil rocky and 4th rate. Timber, scattering pinon, juniper, oak and cedar. Sacttering oak underbrush.

August 18th, 1904.



August 19th, 1904. At 6.30 a. m., 1. m. ✓ t. I set off 33° 25 1/2' N., on the lat. arc, 12° 50 1/2' 52' N., on the decl. arc. and determine a true meridian with





5. Subdivisional lines in Tp. 1 N., R. 30 E. Continued. 5

Chs.	the Solar at the corner of sections 13, 14, 23 and 24. Thence I run, S. 89° 58' E., on a random line bet. secs. 13 and 24.
40.	Set temp. 1/4 sec. cor.
79.76	Intersect the east boundary of the tp. at 6 lks. S. of the cor. of secs. 13, 18, 19 and 24, heretofore described.
	Thence I run S. 89° 59' W., on a true line bet. secs. 13 and 24.
	Over broken mountains through scattering cedar, pinon and juniper timber.
2.85	Fence bears N. E. and S. W., and descend into the Canon of the Blue River.
7.53	Blue River, 70 lks. wide, course S. and begin ascent.
7.93	Cross wagon road from Clifton to Luna Valley and Blue Postoffice course north and south.
	Thence over broken mountain ridges.
39.55	Top of bluff 25' higher than surroundings, ridges & des.
39.88	Set a malpais stone, 30 x 14 x 4 ins., 24 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face, whence,
	A hackberry 5 ins., in diam. brs. S. 3° E., 14 lks. dist. mkd. 1/4 S. 24 B. T.
	An ash, 5 ins., in diam. brs. N. 13° W., 21 lks. dist. mkd. 1/4 S. 13 B. T.
40.10	Dry creek bottom, 40 lks. wide, course S. E.
56.40	Ravine 10 lks. wide, course S. E. and ascend.
70.75	descend into canon.
72.10	Bottom and ascend.
79.76	The corner of sections 13, 14, 23 and 24, heretofore described.
	Land rough mountains 79.76 chains.
	Timber scattering cedar, pinon, and juniper.
	Scattering oak underbrush.
	Soil, rocky and 4th rate.
-----	
	N. 0° 01' W., on a true line bet. secs. 13 and 14.
	Over rough mountains timber of cedar, pinon, and juniper becomes dense.
20.50	Ravine, 15 lks. wide, course N. E.
26.00	Dry creek, 35 lks. wide, course S. E.
27.00	Enter dry creek cross and recross 40 lks. wide. <i>Course N. W.</i>
38.35	Cross dry creek, 20 lks. wide, course S. E.
40.00	Set a malpais stone 18 x 14 x 12 ins., 12 ins., in the ground for 1/4 se. cor. marked 1/4 on the W. face, whence,
	A cedar, 5 ins., in diam. brs. S. 58 1/2° E., 31 lks. dist. mkd. 1/4 S. 13 B. T.
	A juniper, 12 ins., in diam. brs. S. 71° W., 35 lks. dist. mkd. 1/4 S. 14 B. T.
48.75	Ravine, 10 lks. wide, course W.
53.50	Ravine 15 lks. wide, course westerly.
65.40	Dry creek 40 lks. wide, course easterly.
	Ascend steeper.
73.00	Top of ridge bears easterly and westerly.
	Descend.
78.45	Dry creek, 35 lks. wide, course E.
80.00	Set a limestone, 18 x 12 x 8 ins., 12 ins., in the ground for the cor. of secs. 11, 12, 13 and 14, mkd with 4 grooves on the S. and 1 groove on the E. edges, whence,
	A pinon, 14 ins., in diam. brs. N. 16 1/4° E., 29 lks. dist. mkd. T. 1 N., R. 30 E., S. 12 B. T.
	A pinon, 8 ins., in diam. brs. S. 42° E., 27 lks. dist. mkd. T. 1 N., R. 30 E., S. 13 B. T.
	A Cedar, 9 ins., in diam. brs. S. 31° W., 19 lks. dist. mkd. T. 1 N., R. 30 E., S. 14 B. T.

6. Subdivisional lines in T. 1 N., R. 30 E., Continued.

Chs.

A pinon, 7 ins., in diam. brs. N. 42 1/2° W., 20 lks. dist. mkd. T. 1 N., R. 30 E., S. 11 B. T. Land broken mountains 80.00 chains. Timber, dense cedars, juniper and pinon, mostly cedar. Soil, rocky and 4th rate.

40.00  
79.64

N. 89° 59' E., on a random line bet. secs. 12 and 13. Set temp. 1/4 sec. cor. Intersect the east boundary of the Tp. <sup>2 lks. N.</sup> of the corner of sections 7, 12, 13 and 18.

36.61  
~~39.83~~  
~~39.82~~  
38.60

Thence I run West on a true line bet. secs 12 and 13 over rough broken mountains through dense cedar and juniper timber.

Cross Ravine 5 lks. wide, course N. The point for 1/4 sec. cor. falls in a ravine, 10 lks. wide, course N. *therefore at*

Set a malpais stone, 18 x 14 x 10 ins., 12 ins., in the ground for the witness corner for 1/4 sec. cor. marked W. C. 1/4 on the N. face, whence,

A pinon, 8 ins., in diam. brs. N. 72 1/2° E., 19 lks. dist. mkd. W. C. 1/4 S. 12 B. T.

A Cedar, 10 ins., in diam. brs. S. 78 1/2° E., 43 lks. dist. mkd. W. C. 1/4 S. 13 B. T.

~~39.82~~  
~~39.83~~

Misplaced (see above)

45.11  
49.66  
51.81  
61.86  
79.64

Cross ravine 10 lks. wide, course N. Ravine 10 lks. wide, course N. Cross dry creek, 20 lks. wide, course N. E. Dry creek 35 lks. wide, course N. 85° E. The corner of secs. 11, 12, 13 and 14. Land mountainous very rough. 79.64 chains. Timber dense cedar, juniper and a few oak. 79.64 chs. Scattering cedar and oak underbrush. Soil rocky and 4th rate.

19th  
August 18th, 1904.

I discontinue the further progress of the subdivisions of this township having surveyed the lines necessary to include all the agricultural and grazing lands lying along or within the Canon of the Blue River situate in this township; and all settlers claims have been included.

The country North and west from the cor. of secs. 11, 12, 13 and 14, becomes more and more rough and rugged and is impracticable to survey.

General Description.

The subdivided portion of this township is rough and precipitous mountains, cut by many deep canons and ravines running into the Canon of the Blue River which traverses sections 12, 13, 24, 25 and 36; said sections are covered with a growth of cedar, pinon and juniper timber and in section 12 and 13 the growth is very dense. In the Canon of the Blue River which opens out in places to 3 or 4 chains and closes in others to 1 chain there is some land fit for cultivation which can be irrigated from the water of the Blue. Ash, cottonwood, hackberry and oak timber are found in the canon along the watered portion.

McKeen and Balke are located in SE 1/4 of sec. 24 and Bell in NW 1/4 of sec. 25. John G. Kesse  
U. S. Deputy Surveyor.

LIST OF NAMES.

BOOK 1879

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 subdivision lines of Twp 1 N. Rg. 30 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 subdivision lines of Twp 1 N. Rg. 30 E.

..... of the Gila and 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 18<sup>th</sup> day of August, 1891-1904



John P. Hesse  
U. S. Dep. Surveyor

No notary available

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BOOK 1879 FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John F. Hesse United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 17 day of June 1904, 189, 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 the subdivision lines of T. 1 N. R. 30 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John F. Hesse  
United States Deputy Surveyor.

Subscribed by said John F. Hesse, and sworn to before me }  
this 17th day of June, 189 1904

Frank S. Ingalls  
U.S. Surveyor General



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, Mar. 27, 189 1905

The foregoing field notes of the survey of the subdivisional lines of T. 1 N. R. 30 E. of the Gila and Salt River Base and Meridian in the territory of Arizona

executed by John F. Hesse, U.S. Deputy Surveyor under his contract No. 121, dated June 17, 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 S. 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.~~