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1903

BOOK 1903

# FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISIONS OF T10C'D. T. 12, N. 9, E.

*Retracement, S. body sec. 31.*

1903

1903

*Of the Gila and Salt River Base and Meridian,*

AS SURVEYED BY

Jesse B. Wright

*United States Deputy Surveyor,*

*Under his Contract No. 133, dated May 26, 1905., 189*

*Survey commenced August 24, 1905., 189*

*Survey completed August 24, 1905., 189*

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BOOK 1903

FOR  
NAMES AND DUTIES OF ASSISTANTS.

SEE SUBS. T. 12, N. E. 8. E.

Blank lined area for recording names and duties of assistants.

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INDEX DIAGRAM.

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PRELIMINARY OATHS OF ASSISTANTS.

SEE SUBS T. 12. N. P. 8. P.

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BOOK 1903

WE, ..... and .....  
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 .....

....., *Chainman.*  
....., *Chainman.*

Subscribed and sworn to before me this ..... }  
day of ....., 189 }



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, ..... and .....  
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 .....

....., *Axman.*  
....., *Axman.*

Subscribed and sworn to before me this ..... }  
day of ....., 189 }



I, ....., 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 .....

....., *Flagman.*

Subscribed and sworn to before me this ..... }  
day of ....., 189 }



Chains.

Survey commenced August 24th, 1905, and executed with a Young and Sons' light mountain transit, No. 6492, with Smith's patent solar attachment on side; the horizontal limb being provided with two double verniers each reading to single minutes of arc; which is also the least count of the lat. and decl. arcs.

At 8 hrs. 05 mins. A.M., l.m.t., I set off  $34^{\circ} 23'$  N. on the lat. arc, and  $11^{\circ} 13'$  N. on the decl. arc, and determine a true meridian with the solar, at Post No. 49 on S. Bdy. of Black Mesa Forest Reserve, which is an iron post, capped with brass, marked and witnessed as described in the field notes furnished by the Surveyor General.

This meridian falls  $\frac{1}{4}$  inch west of the meridian established by Polaris on the night of August 21st.

(See notes of Range line bet. Rgs. 8 and 9 E., thro. Tp. 12 N.) *for Polaris observation and longitude and latitude*

Hence I conclude that the adjustments of my instrument are satisfactory.

Thence I retrace

East on S. bdy. of Sec. 31:

38.48  $\frac{1}{4}$  sec. cor. 1 lks. south.

72.47 Post No. 48 on line, which is an iron post, capped with brass, set in a mound of stone, marked and witnessed as described by the Surveyor General.

Hence the South bdy. of Sec. 31 brs. E and W. and my chaining practically agrees with the former survey.

-----  
Thence I run

N<sup>37</sup>W bet. secs. 31 and 32.

Var.  $14^{\circ} 50'$  E.

Over broken ground, through dense scrub oak; descending.

7.00 Gulch, 30 lks. wide, brs. West. Ascend.

15.00 Enter dense cypress and cedar.

20.00 Point of ridge brs. West.

40.00 Set a sandstone 30 x 11 x 8 ins., <sup>23</sup> 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Whence,

A cedar 10 ins. diam. brs. N.  $85^{\circ}$  E., 22 lks. dist., marked  $\frac{1}{4}$  S 32 B T.

A cedar 12 ins. diam. brs. S.  $7^{\circ}$  W., 75 lks. dist., marked  $\frac{1}{4}$  S 31 B T.

43.00 Gulch, 50 lks. wide, course S.  $55^{\circ}$  W.

Ascend through dense scrub oak and cedar.

57.00 Top of ridge, brs. West. Thence along West slope of mountain, over broken ground.

80.00 Cor. of secs. 29, 30, 31 and 32. A granite boulder in place, 3 ft. x 3 ft., 2 ft. out of ground, which I mark with a cross (x) at the cor. point, and 5 notches on the E. and 1 notch on the S. edges, and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Whence, A malpais boulder, in place, 5 ft. x 4 ft., 3 ft. out of ground, brs. S.  $85^{\circ}$  W., 7 lks. dist., marked with a cross (x) and S 31 B O.

No other bearings available!

Land, mountainous.

Soil, 2nd and 3rd rate.

Timber, cedar, cypress, pinon, oak and juniper.

Undergrowth, scrub oak, manzanita, and mountain mahogany.

Land mountainous, heavily timbered, or covered with dense undergrowth, 80.00 chs.

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## 2. Subdivisions of Fractl. Tp. 12 N., R. 9 E., (Continued.)

Chains.	
	West on a random line bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.50	Intersect West bdy. of Tp. 10 lks. N. of cor. to Secs. 25, 30, 31 and 36.
	Thence I run, N. $89^{\circ} 55'$ E. on a true line bet. secs. 30 and 31.
	Ascend through pine, oak and juniper.
28.00	Gulch, 40 lks. wide, 30 ft. deep, course S. $40^{\circ}$ W.
38.50	A malpais boulder in place, $1\frac{1}{2} \times 1\frac{1}{2}$ ft. $\times$ $1\frac{1}{2}$ ft. out of ground, for $\frac{1}{4}$ sec. cor., which I mark $\frac{1}{4}$ on N. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Whence, An oak 8 ins. diam. brs. S. $54^{\circ}$ W., 7 lks. dist., marked $\frac{1}{4}$ S 31 B T.
	No other bearings available.
60.00	Begin steep ascent, through dense scrub oak and manzanita.
78.50	To Cor. of Secs. 29, 30, 31 and 32.
	Land, mountainous. Soil, rocky, 2nd and 3rd rate. Timber, pine, oak and juniper. Undergrowth, manzanita, scrub oak. Land mountainous, heavily timbered, or covered with dense undergrowth, 78.50 chs.
	----- No. 3 W North bet. secs. 29 and 30.
	Over broken ground, along west slope of mountain. Through dense scrub oak and manzanita.
19.00	Head of gulch, course West.
40.00	$\frac{1}{4}$ sec. cor. On a sandstone ledge, 3 x 2 ft., 1 ft. out of ground, marked with a cross (x) and $\frac{1}{4}$ on W. face, Whence, A pine 18 ins. diam. brs. N. $26\frac{1}{2}^{\circ}$ W., 20 lks. dist., marked $\frac{1}{4}$ S 30 B T. A pine 30 ins. diam. brs. S. $63^{\circ}$ E., 36 lks. dist., marked $\frac{1}{4}$ S 29 B T.
43.00	Begin steep descent.
44.00	Gulch, 70 ft. deep, 30 lks. wide, course West. Ascend.
45.00	Top. Begin descent.
54.00	Gulch, 50 feet deep, 20 lks. wide, course West. Ascend.
72.00	Gulch, 70 ft. deep, 20 lks. wide, course S. $48^{\circ}$ W. Ascend.
80.00	Top of ascent. A granite ledge 4 x 5 ft., 2 ft. out of ground, which I mark with a cross (x) at the cor. point, with 5 notches on E. and 2 notches on S. of cross, for cor. of secs. 19, 20, 29 and 30, from which, A pine 20 ins. diam. brs. N. $63\frac{1}{2}^{\circ}$ E., 75 lks. dist., marked T 12 N R 9 E S 20 B T. A white oak 15 ins. diam. brs. S. $82\frac{1}{2}^{\circ}$ E., 28 lks. dist., marked T 12 N R 9 E S 29 B T. A black oak 14 ins. diam. brs. N. $75\frac{1}{2}^{\circ}$ W., 12 lks. dist., marked T 12 N R 9 E S 19 B T. A white oak 10 ins. diam. brs. S. $58^{\circ}$ W., 45 lks. dist., marked T 12 N R 9 E S 30 B T. Land, mountainous. Soil, rocky, 2nd and 3rd rate. Timber, pine, cedar, oak and juniper. Undergrowth, scrub oak, manzanita. Land mountainous, heavily timbered, or covered with dense undergrowth, 80.00 chs.

Aug. 24,--

At 12 h. 2 m. P.M., I set off  $11^{\circ} 9\frac{1}{2}'$  N. on the decl. arc, and observe the sun on the meridian; the resulting latitude is  $34^{\circ} 25'$  N., or within 1 minute of the proper lat.

## Subdivisions of Frat. Tp. 12 N., R. 9 E. (Continued) 3.

Chains.	
	S. 89° 56' W. on a random line bet. secs. 19 and 30.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.45	Intersect West bdy. of Tp. $\frac{1}{2}$ lks. South of cor. of Secs. 19, 24, 25 and 30.
	Thence I run, East on a true line bet. secs. 19 and 30. Descending, through dense manzanita and scrub oak, over mountainous land.
6.50	Road, brs. N. and S.
8.50	Pine creek, 10 lks. wide, with clear running water, 4" deep, course South.
9.50	Enter field of John P. Hough.
13.50	Leave field and ascend.
38.45	$\frac{1}{4}$ sec. cor. which is a sandstone boulder in place, 8 x 6 ft., 3 ft. out of ground, which I mark with a cross (x) at exact cor. point and $\frac{1}{4}$ on N. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	Whence, A white oak 8 ins. diam. brs. S. 18° E., 21 lks. dist., marked $\frac{1}{4}$ S 30 B T. No other bearings available.
43.50	Top, and begin steep descent through dense scrub oak.
56.50	Gulch, 30 lks. wide, 100 ft. deep, course South. Ascend.
78.45	Cor. of secs. 19, 20, 29 and 30. land, mountainous. Soil, rocky, 1st and 2nd rate. Timber, pine, oak, and walnut. Undergrowth, scrub oak, manzanita and willow. Land mountainous, heavily timbered, or covered with dense undergrowth, 78.45 chs.
	----- North, bet. secs. 19 and 20. Over mountainous land. Descending.
5.00	Gulch, 20 lks. wide, course West. Ascend.
30.00	Top, and descend along West slope of Mountain.
35.00	Gulch, 30 lks. wide, 70 feet deep, course West.
40.00	Set a sandstone 24 x 10 x 8 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Whence, An oak 10 ins. diam. brs. N. 66° E., 21 lks. dist., marked $\frac{1}{4}$ S 20 B T. A pine 4 ins. diam. brs. S. 84 $\frac{1}{2}$ ° W., 37 lks. dist., marked $\frac{1}{4}$ S 19 B T. Ascend through dense scrub oak.
46.00	Top of ridge, brs. West.
52.00	Gulch, 50 lks. wide, 100 ft. deep, brs. West and ascend.
68.00	Top of ridge, brs. West. Steep descent.
80.00	Set a sandstone 30 x 15 x 10 ins., 20 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked with 5 notches on E. and 3 notches on S. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	Whence, A white oak 18 ins. diam. brs. S. 81 $\frac{1}{2}$ ° W 50 lks. dist., marked T 12 N R 9 E S 19 B T. A pine 15 ins. diam. brs. N. 44° W., 29 lks. dist., marked T 12 N R 9 E S 18 B T. An oak 6 ins. diam. brs. N. 38 $\frac{1}{2}$ ° E., 35 lks. dist., marked T 12 N R 9 E S 17 B T. A pine 10 ins. diam. brs. S 50 $\frac{1}{2}$ ° E., 39 lks. dist., marked T 12 N R 9 E S 20 B T. Land, mountainous. Soil, rocky, 2nd and 3rd rate. Timber, pine, oak and juniper. Undergrowth, scrub oak and manzanita. Land mountainous, heavily timbered, or covered with dense undergrowth, 80.00 chs.

## 4. Subdivisions of Frae. T. 12 N., R. 9 E. (Concluded).

Chains.	West on a random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.40	Intersect West bdy. of Tp. at the cor. of secs. 13, 18, 19 and 24.
	Thence I run, East on a true line bet. secs. 18 and 19.
	Descending over mountainous land. Through pine and oak.
11.80	Gulch, 30 lks. wide, 20 ft. deep, course south.
22.00	Gulch, 30 ft. deep, 20 lks. wide, course S. 50° E.
32.00	Enter dense oak and walnut. <sup>10 lks. wide</sup>
33.00	Pine creek, course South. Ascend.
34.00	Fence, brs. N. and S. and enter field of Horace Durand.
35.00	Fence, brs. N. and S. Leave field.
37.00	Begin stony ascent, through pine and oak.
38.40	Set a sandstone 24 x 10 x 8 ins., 16 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	Whence, A black oak 14 ins. diam. brs. N. 38° E., 44 lks. dist., marked $\frac{1}{4}$ S 18 B T. A black oak 10 ins. diam. brs. S. 51° E., 16 lks. dist., marked $\frac{1}{4}$ S 19 B T.
44.00	Thence along west slope of gulch, through dense scrub oak. Cross gulch, 20 feet deep, 30 lks. wide. Course at this point, South.
48.50	Gulch, 30 lks. wide, 20 feet deep, course S. 50° W.
78.40	Edge of gulch,, course S. 65° W. and Cor. of secs. 17, 18, 19 and 20.
	Land mountainous. Soil, rocky, 1st and 2nd rate. Timber, pine, oak, fir, and maple. Undergrowth, manzanita, teseta, and scrub oak. Land mountainous, heavily timbered, or covered with dense undergrowth, 78.40 chs.

The subdivision of this township is here discontinued, there being no agricultural lands that a further survey would include.

## GENERAL DESCRIPTION.

I subdivide only three sections of this Tp. as these three sections include all the agricultural land lying on Pine Creek. There are no settlers in either of these three sections, or to my knowledge on any part of the Tp.. This Tp. is broken on the W. by Pine Creek, which runs in a Southerly direction. The country to the E. and W. is much broken by numerous gulches, heading at the rim of the mesa and the E. and W.

*Jose Wright*  
U.S. Dep. Survey



FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

SEE T. 12. N. P. 8. F.

LIST OF NAMES.

BOOK 1903

A list of the names of the individuals employed by \_\_\_\_\_

\_\_\_\_\_, 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 \_\_\_\_\_

showing the respective capacities in which they acted:

- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Moundman.*
- \_\_\_\_\_, *Moundman.*
- \_\_\_\_\_, *Axman.*
- \_\_\_\_\_, *Axman.*
- \_\_\_\_\_, *Flagman.*

FOR FINAL OATH OF ASSISTANTS.

SEE SUBS T. 12. N. P. 8. F.

We hereby certify that we assisted \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, in surveying all those parts or portions of the \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_

\_\_\_\_\_ meridian, \_\_\_\_\_ of \_\_\_\_\_, 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 \_\_\_\_\_

- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Moundman.*
- \_\_\_\_\_, *Moundman.*
- \_\_\_\_\_, *Axman.*
- \_\_\_\_\_, *Axman.*
- \_\_\_\_\_, *Flagman.*

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 189 \_\_\_\_\_



FOR  
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.  
SEE SUBS<sup>d</sup> T. 12. N. R. 8. E.

BOOK I, 1903

I, \_\_\_\_\_, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from \_\_\_\_\_ United States Surveyor General for \_\_\_\_\_, bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 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 \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_ meridian, in the \_\_\_\_\_ of \_\_\_\_\_, 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 \_\_\_\_\_ 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.

\_\_\_\_\_  
*United States Deputy Surveyor.*

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 189 \_\_\_\_\_ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, A. T. Jany. 23, 190789

The foregoing field notes of the survey of subdivisions of frac'l. T. 12. N. P. 9. E. Of the Gila and Salt River Bce and Meridian, in the territory of Arizona.

executed by \_\_\_\_\_ Jesse B. Wright, U. S. Deputy Surveyor under his contract No. 133, dated May 25, 1905, 189 \_\_\_\_\_, 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.*