

Book 2083

4-679.

2083

BOOK 2083

# FIELD NOTES

2083

OF THE SURVEY OF THE

2083

Retracement of the Fractional  
South and N. Boundaries of  
Township No. 11 North, Range  
No. 11 East

2083

Of the *Gila and Salt River* Meridian,

District of Arizona

AS SURVEYED BY

*Charles D. Campbell*, United States Deputy Surveyor,

Under <sup>joint</sup> ~~his~~ Contract No. *116*, dated *April 15th*, 1904

Survey commenced *May, seventh*, 1905

Survey completed *May, eighth*, 1905

6-161

2083

2083

2083

2

BOOK 2083

NAMES AND DUTIES OF ASSISTANTS.

Harley P. Stewart, Chairman.  
Roy P. Campbell,

Robert A. Holder, Asstman

BOOK 2083

INDEX DIAGRAM.

Township 11 North, Range 11 East

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

3

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

BOOK 2083

WE, Harley O. Stewart and Ray T. Campbell  
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

Recreation Ground and the Odds, T. U. N. R. U. E.

Harley O. Stewart, Chainman.  
Ray T. Campbell, Chainman.

Subscribed and sworn to before me this 21th  
day of May, 1908.



Charles L. Campbell  
U. S. Dept. 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, I, Robert R. Holder  
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

Recreation Ground and the Odds, T. U. N. R. U. E.

Robert R. Holder, Axman.  
\_\_\_\_\_, Axman.

Subscribed and sworn to before me this 21th  
day of May, 1908.



Charles L. Campbell  
U. S. Dept. Surveyor

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 \_\_\_\_\_, 190 \_\_\_\_\_



Retracement, fact. V. and H. Pdes. S. 117. D. 11 C.

Chs. Retracement commenced on the 7th day of May, 1908, and executed with a H. and L. C. Gurley improved solar compass No. 210, with telescopic attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; the latitude and declination arcs read to thirty seconds.

The instrument was examined, tested on the true meridian of the U. S. Geological Survey at the Spokane County Court house, Spokane, Washington, and was found correct on March 23, 1908.

Examining the adjustments of the instrument and find them correct; and knowing from recent tests on a meridian determined by observations on Polaris, that my instrument is in correct adjustment, I commenced at the cor. of secs. 1, 6, 7 and 12 on the 7th day of S. 117. D. 11 C. May 20 at 5<sup>h</sup> 10<sup>m</sup> P. M. (M.T. Az of  $34^{\circ} 19'$  North lat. arc;  $46^{\circ} 57'$  North decl. arc; and determined a meridian with the solar; thence I ran North on a random line bet. secs. 1 and 6.

Recreation of road. S. and H. Pds., T. 11 N., R. 11 E.

Chs.

4.0.00 Intersect  $\frac{1}{2}$  sec. cor., established under this contract.

81.86 Intersect the cor. of secs. 1, 6, 31 and 36, established under this contract.

Therefore, the line has a bearing of North with a length of 40.00 chs for the S. half and a length of 41.86 chs. for the N. half.

of fence runs South bet. secs 1 and 6. Ascend through scattering timber and dense undergrowth.

1 4.15 Summit of divide, 300 ft. above cor., bears S. and th. descend S. slope of mountain precipitous descent.

23.00 Near precipitous descent, bears S. and th.

41.86 The  $\frac{1}{2}$  sec. cor., established under this contract.

81.86 The cor. of secs 1, 6, 9 and 12, 1000 ft. below summit, established under this contract.

Land, mountainous.

Soil, stony; end and red clay. Timber, spruce, fir, cedar and oak, undergrowth, mesquite, laurel, manzanita and chaparral.

May 7, 1908.

May 8: At 7 $\frac{1}{2}$  10<sup>am</sup> l. m. t. Pit of 3 $\frac{1}{2}$  15' N. on the

Recreation Acad. V. and H. Dars. S. 11 N. Q. 11 C.

Chs. lat. acc; 17° 57' N. on the ded. acc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32 on the N. side of the 9<sup>th</sup>. Thence run a straight random line bet. secs. 6 and 31.

39.90 I fall 3 lbs. N. of the 1/2 sec. cor., which was established under this contract.

78.64 I fall 5 lbs. S. of the cor. of secs. 1, 6, 31 and 32, which was established under this contract.

Therefore the E. half mile has a bearing of N. 89° 57' E, with a length of 39.90 chs. The W. half mile has a bearing of N. 89° 33' E, with a length of 38.74 chs.

Thence run N. 89° 33' E. bet. secs. 6 and 31 across through scattering timber and down undergrowth over numerous draws and spurs with S. E. trend.

38.74 Entered the 1/2 sec. cor.

Thence run N. 89° 57' E. bet. secs. 6 and 31.

45.00 Draw, 200 ft. deep, cross S. E.

49.00 Spur, 100 ft. high, slope S. E.

74.70 Road, bears N. 89° and S. E.

78.64 Entered the cor. of secs. 5, 6, 31 and 32, 135 ft. below spur. Land, mountainous.

Soil, sandy; red and red est. Timber, pinon, oak, cedar and juniper; undergrowth, small timber, laurel, manzanita.  
May 8, 1958.

Boundaries of T. 117, R. 11 E.

Latitudes - Departures - Closing Errors.

			N.	S.	E.	W.
L. Ody.	T. 89° 57' H.	400.00		0.05		400.00
"	" 31 S 89° 57' H.	39.90		0.03		39.90
"	" " N 89° 33' H.	38.74	0.08	2.08		38.74
H. Ody North		481.86	481.86			
N. "	V 89° 36' E.	478.40		0.54	478.40	
E. "	South	480.44		480.44		
Convergence					0.49	
			<del>481.94</del>	<del>481.36</del>		
			<del>481.86</del>	<del>481.44</del>	478.89	478.64
			<del>481.36</del>		<del>478.64</del>	
Errors -----			0.42		0.25	
			.58			

Charles J. Campbell  
 C. S. Dept. Surveyor.



FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Charles L. Campbell, 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 Retracumof  
Lead South and the Odds T. 11 N. R. 11 East showing the respective capacities in which they acted:

Harley O. Stewart, Chainman.

Ray T. Campbell, Chainman.

Moundman.

Moundman.

Robert R. Holder, Axman.

Axman.

Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Charles L. Campbell, United States Deputy Surveyor, in surveying all

those parts or portions of the Retracumof Lead South  
and that boundaries of Township  
No. 11 North, Range No. 11 East

of the Gila and  
Salt River meridian, District 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

Harley O. Stewart, Chainman.

Ray T. Campbell, Chainman.

Moundman.

Moundman.

Robert R. Holder, Axman.

Axman.

Flagman.

Subscribed and sworn to before me this 5th day of May, 1908.



Charles L. Campbell  
U.S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Charles L. Campbell, 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 18th day of April, 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

Plottedum each Tract and West Boundaries of Township No. 11 North, Range No. 11 East of the Gila and Salt River meridian, in the District 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.

Charles L. Campbell  
United States Deputy Surveyor.

Subscribed by said Charles L. Campbell, and sworn to before me }  
this 10th day of July, 1908



R. H. Sweet  
COUNTY CLERK AND CLERK OF THE SUPERIOR COURT OF THE STATE OF WASHINGTON, FOR SPOKANE COUNTY

APPROVAL

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz Dec 11, 1908  
The foregoing field notes of the survey of the retracement of the Plotted South and West Boundaries of Twp. 11 North, Range No. 11 East of the Gila and Salt River Base and Meridian in the Territory of Arizona

executed by Chs. L. Campbell, U.S. Deputy Surveyor under <sup>joint</sup> his contract No. 116, dated April 18, 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.