Book H

## FIELD NOTES

BOOK 1803

East boundary, from the cor of secs 19, 24, 25 - and 30 as far north as the rim of the Grand Canon, of Pp. 31 M. Rg. 2 C. BOOK 1803 1803 Of the Gila and Galt River Meridian, Peritory of arizona AS SURVEYED BY John B. Nesse, United States Deputy Surveyor, Under his Contract No. 109, dated December 19, 1903, 189 Survey commenced Pebruary 15th 1904 , 189 Survey completed Pebruary 18th 1904 , 189

## NAMES AND DUTIES OF ASSISTANTS.

a. n. Olwer	Chamman
William Wallace Oliver	Chainnan
V. L. Pinley	axman
	20
George Cassidy	flagman
	·
······································	
	·
0.151	

1803

## BOOK 1803 INDEX DIAGRAM.

Tou	nship 3/	' <i>U</i>	, Range	26.	
6	5	4	8	2	1
7	8	9	10	11	12
18	17	16	15	14	13 3
19	20	21	22	28	24
80	29	28	27	26	25
. 81	82	83	34	85	36

Meanders Page.....

©BOOK 1803 WE, and William Wallace Oliver 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 East boundary of Ph. 31 M. Rg. 26. William Wallace Olivordinman. Subscribed and sworn to before me this 15th day of *Hebruary 1904*, 180 John I. Kesse 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 day of \_\_\_\_\_, 189 WE, I Willey 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 the East boundary of Mp. 31 M. Rg. 2 6. 5 L Filef, Axman. Subscribed and sworn to before me this 15-4 John D. Hesse U.S. Dep. Surveyor 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 Mp. 31 M. Rg. 2 E. Subscribed and sworn to before me this .... day of *Hebruary 1904*, 180

PRELIMINARY OATHS OF ASSISTANTS.

BOOK 1808 Fast boundary of Ph. 31 M. Q. 2 G. BOOK 1803 > **BOOK** 18(8 (E) Hebruary 16. at 3 hoom from limit. I set off 36°04'M on the lat are; 12°30 I on the decl. are; and mark a point in the meridian determined with the solar, by a cross on the stone already set 6 cho. M. of my station: this mark falls on the meridian established by the Coloris observation. vermenea ques rue mag. deil 14° 30' 6. Debruary 16, 1904 Petruary 17: Stormy weather pre-Debruary 17, 1904 February 18: at shoom a. m. l. m. t. Q set off 36°04' on the lat. are; 11°56' 30" I on the decl. are; and determine a meridian with the solar at the cor. of secs. 19, 24, 25 and 30 which is a limestone marked and writnessed as Phence I run North bet secs. 19 and 24. Over level land through heavy fine and cedar tunber. 15.20 Cross wash 15 lks. wide, course W. 40.00 Set a limestone 20x 0x 3 ins. 15 ins: in the ground, for 1/4 sec. cov. marked 14 on W. face; from which a cedar 10 ins. diani., bears S87 1/2° G. 16 lks. dist., marked 4519BT. a fine 10 ins. deam., bears N. 60°W. 12 the dist, and the bosons. Market Leans N. 15° G. and Sis W.

Gast foundary of the May 15 Survey commenced Pebruary 15, 1904 and executed with a W. and L. E. Gurley light mountain transit with solar BOOK 1803 attachment. The horizontal limb is provided with two double vermers placed opposite to each other, reading to single munites of are, which is also the least count of the latitude and declination ares. Transit not numbered I examine the adjustments of the transit and find them correct, then to test the solar apparatus, by comparing its indications, resulting from solar observations made during a ser and p. m. hours, with a migridian. determined by observations on Planes. I proceed as follows at my camp which is one half will north of the 14 see cor but seen 23 and 26 Apr 2 12, Pg. & C. Latetude 36°04' 70. longitude 110.00 10.00; at 92 4/3 - from lying witch which has conect from H., E observe Polerio at western elongation, in accordance with Marinel of Justinestins, and mark a point in the live thus determined, on a flig. driven in the ground 6 chs H. of my station: Hebruary 15, 1904. You determination of latitude see Book 13" Mehinary 16: at 7 h ps man. Cm. t. Dlay of the agimuth of Orlars 1.29 to the east, and mark the meridian thus. determined, by cutting a small grown in a stone set finity in the ground. at show an lust get of 4°04'm the let ne; 12°38'd in the del, are; and wark a point in the nursain determent with the the by a cross on the stone already

Set a limestone 24 x /2 x 4 ins. 18 ins 50.00 in the ground for cor. of secs. 13, 18, 19 and 24, marked with 3 notches on W. and S. edges; from which a cedar 10 ius diam hears N. 57° C. 56 lks. dist. marked T3/NR3ES/8BT. a cedar 8 ins. diam. bears 8.52.6. 24 lks. dist. marked T3/NR3ES/9BT. a fine 10 ins. diam. bears &. 390 W. 38 lks. dist. marked T3/NRZE S24BT. a fine 6 rus diam bears U. 71/2° W. 29 lks. dist. marked T3/NR2ES 13BT. Land, level. Soil, rocky and sandy; 4th rate. Dumber, cedar and pine. Heavily tunbered land 5000 cho.

> North bet secs. 13 and 18 Over level land through heavy cedar and pinon timber.

3.25 Cross road, bears & and W.

6.82 Phe sim of the Grand Cañon of the Colorado River.

Land, level.

Soil, rocky; 4th rate.

Dimber, cedar and pinon.

Heavily timbered land 6.82 chs.

John D. Stesse U.S. Deputy Surveyor East boundary Ph. 31 H. Rg. 2 6. This township is nearly level as covered with a dense growth of cedar, piñon and pine timber. There is no water in this township except in the Grand Canon of the Colorado River 1803 John D. Hesse U.S. Def Surveyor

## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

106	
6	١
(5)	

LIST OF	NAMES
---------	-------

BOOK 1803

A list of the names of the individuals empl	loyed by John G. N	esse
	s Deputy Surveyor, to assist in runn	
marking the lines and corners described in the for	regoing field notes of the survey of	the East
boundary of Mp. 31 M. Rg:		
showing the respective capacities in which they a		
	a. M. Oliver	
Will	liam Wallace Olu	, Chainman.
		, mounaman.
	) l cl l) : 1	, Moundman.
	J. L. Dinley	, Axman.
		Axman.
	George Cassidy	
		, Flagman.
	OF ASSISTANTS.	
We hereby certify that we assisted	John G. Hesse	
	, United States Deputy Survey	or, in surveying all
those parts or portions of the East bou		
or constraints of the	y Joseph	- Seg. 20
	of	the Gila
and Salt Pin m. Perit		
and Salt River meridian, Perritor	of aryona, wh	nich are represented
in the foregoing field notes as having been surveyed		
has been in all respects, to the best of our knowledge corner monuments established, according to the		
deneral for any ona		
General for Asizona	4. h. China	, Chainman.
Willia	un Wallace Oliv	A / Chainman
7		, Onamman.
<del></del>		, Moundman.
	0.1.	, Moundman.
	SLF mlet	. Axman
	la o ' 1	$\dots$ , $Axman$ .
	George Cassidy	$f_{1}, Flagman.$
	/	
Subscribed and sworn to before me this	,	
Subscribed and sworn to before me this 1844 day of Pebruary 1904, 189		
general Total	John G. He U.S. Dep. &	sse
Ö SEAL Ö ÖGGGGGG	U. S. Deh. *	Surveyor.
6-151		- po <u>-</u>

....., 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 ..... Company of the Compan 1803 BOOK 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 \_\_\_\_\_, 189 APPROVAL. OFFICE OF THE UNITED STATES SURVEYOR GENERAL, Phoenix, Asigona April 14 -1884 The foregoing field notes of the survey of the East boundary of 7:31 No. R. 2/6... of the Gila and Salt River Rave & meridian, in the Peritory of Augona ----executed by John to Shave U.S. Klips Surveyor under his contract No. 109, dated Wecenher 11- 1903, \$89, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved. Mank Dingales
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.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

Mank Aligalls
United States Surveyor General.