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Book "B"

BOOK 2051

2051FIELD NOTES OF THE SURVEY OF THE

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Under his Con	tract No. 136	, dated	pril 12°	<i>t</i>	, 1906.
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BOOK	NAMES AND DUTIES OF ASSISTANTS.	7
	Julm M Inaugen	
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BOOK 2051

INDEX DIAGRAM.

Town	nship //	Yorth	, Range	14 East	
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15	BOOK	2051
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PRELIMINARY OATHS OF ASSISTANTS.

WE Sulmill Shower Million Brown	www.and wings lehvolow and I wings Divino
	ecute the duties of chainmen; that we will level the
	lly pins, either by sticking or dropping the same; that
	ts, and the true lengths of all lines that we assist in
	ccordance with instructions given us, in the survey of
Maria Chalask	
George Chedsey - Gronge Davis -	Thus Court, Chainman.
LAN CAN	Mrs. Chainman.
Subscribed and sworn to before me this	
day of, 190 \bar{\day}	W. G. Power
W SEAL W	notary Public, rima County, Artzona Territory
WE, Rus. G. Ruym,	My Commission Expires April 27th, 1996.
No.	and
do solemnly swear that we will well and truly person of corners, according to the instructions given me. t	· · · · · · · · · · · · · · · · · · ·
My with rang went of Was bonn white	
	Las Sores ; Moundman.
	, Moundman.
Subscribed and sworn to before me this $\frac{1}{2}$	
day of, 190 \	M. C.
	J. J. Jaway
SEAL (I	My Commission Expires April 27th, 1906.
A day was	
do solomnly sweet that we will will and the profession	and
do solemnly swear that we will well and truly perform and other duties, according to instructions given me,	•
My my ran & Servit I had some while Will	minan In Dust
	James Ligel , Axman.
	·
	, Axman.
Subscribed and sworn to before me this	and the control of th
day of	Me la P
WEXE W	1. J. Vawas
M SEAL M	Notary Public, Pimu County, Arizona Territory. — My Commission Expires April 27th, 1908.
perform the duties of flagman according to instruction	do solemnly swear that I will well and truly
Asurvey of My Sala Amad Sala Waxay Basse	N DMM CHAMAN JAMOAN J. T. TOWN
	Charles Hurher , Flagman.
Subscribed and sworn to before me this^\	en e
day of	$\mathcal{A} \mathcal{D} \mathcal{O}$
	IV. J. Vower
**	Notury Public, Pima County, Arizona Territory, My Commission Frances, April 197th, 1976

Resurvey of the Base Line Through Range 14 East.

For the purpose of correcting errors in measurements along the base line, so that same can be used whenever T. 1 N., R. 14 E., is subdivided, I proceed to resurvey same.

Survey commenced August 22nd, 1906, and executed with a Young & Sons light mountain transat, with Smith selar attachment No. 5609. The horizontal limb is provided w with two double verniers placed opposite to each other, and reading to single minutes of arc, which is also the least count of the verniers of the lat. and declination arcs.

The instrument was examined, tested on the true meridian at Phoenix, Arizona, found correct, and was approved by the Surveyor General for Arizona, August 8, 1906.

I examine the adjustment 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:-

At the Stoor, of Tps. 1 N., Rs. 14 and 15 E, latitude 33° 22' 40" | longitude 110 50" 45" N,I set off 33° 23' N. on the lat. arc and 11. 52' N. on the decl. arc and at 4 hrs. 0 m., P.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a

the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of the cor. At 9 h. 282m., p.m., by my watch which is correct, I ob Polaris at eastern elongation in accordance with the I observe Manual of Instructions, and mark a point on the line thus determined, on a peg driven in the ground, 5 chs.
N. of my station.

August 22, 1906.

August 23: At 6 h. 30' a.m., by my watch which is correct, I lay off the Azimuth of Polaris, 1. 26'/to the west, and mark the meridian thus determined by cutting a small groove in the stone set August 22, 1906, on which the meridian falls 0.4 ins. west of the mark determined by the solar.

At 7 k 30 m. a.m., l.m.t., I set off 33° 25' N. on the latitude arc and ll° 38' N. on the decl. arc, and mark a point in the meridian determined with the solar by a cross on the stone already set 5.00 chs. N. of my station; this mark falls .2 ins. east of the meridian established by the Polaris observation.

The solar apparatus by p.m. and a.m. observations, defines positions for meridians, respectively about 0° 21" west and 0' 11" east of the meridian established by the Pelaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7 h 30 m. a.m., is N. 13° 35' W., the angle thus determined gives the mag. decl. at 13° 35' E.

I observe a white tent set en line near Standard cor. of T. 1 N Rs. 15 and 15 E., which brs. S. 89° 58' W. Thence I run, from the standard cor. of Tps. 1 N. T. 14 and 15 E., which is a granite stone in place, 24 X 16 X 6 ins. above ground. West on the Gila & Salt River Base Line.

Gver mountainous land, descending through oak brush.

Gulch, 60 lks. wide, course N., ascend.

Ridge entends N. and S. Friedescend by mc

15 lks. wide, course N. enter dende brush.

Ridge extends N. and S.; descend.

Old + sec. cor. brs. North 47 lks. dist. which I destroy. Set a granite stone, 18 X 10 X 8 ins. lin mound of its stone, 2 ft. base, 12 ft. high. N. of cor. Pits impracti-Company of the Paris Company

2,70 2.70

39.00 39.50 40.00

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chains
                 Mining camp brs. North 10 chs. dist.
Gulon, 25 ins. wide, course N., ascend over rocky ground
 47.00
 48.50
                     along N. slope of ridge.
                 Gulch, 50 lks. wide, course N.E.; leave dense brush. Old sec. cor. brs. N. 55 lks. dist. which I destroy.
 59.00
 78.40
                 Point for cor. of secs. 1, 2, 35 and 36 falls on blanket ledge of granite, which I mark with a cross (x) for exact point for stand. cor. of secs. 35 and 36, marked S C on N with 1 groove on E. and 5 grooves on E. face;
 80.00
                     from which
                   A chapparal, 5 ins. dia., brs. N. 6\frac{1}{2} W., 64 lks. dist., marked T 1 M R 14 E S 35 B T.
                   Raise a mound of stone, 2 ft. base, 12 ft. high. N. of
                     cor. Pits impracticable.
                 Land, mountainous.
                 Soil, gravelly, stony and rocky; 3rd and 4th rat .
                 Timber, a few cedar; undergrowth, oak, manzanita, tesotilla,
                 mezcal, Spanish bayonet, laurel, mesquite, and cacti.
Mountainous land, covered with dense undergrowth, except-
                     ionally difficult to survey, 80.00 chs.
                 August 23: At noon, I set off 110 35' No on the decl. are and abserve the sun on the meridian; the resulting lat.
                     is 33° 23' N. /
                  Thence I run.
West on the 8. bdy. of sec. 35.
                  over mountainous land, along N. slope of ridge, over granite boulders and through dense brush.
                  After diligent search I fail to find the eld ; sec. 007
I mark a cress (x) on a granite rock in place, 50 X 14
12 ins. above ground, for point for ; sec. cor., and
  40.00
                  out † N. of cross, from which
A coder tree, 8 ins. diam., brs. N. 58; W., 205 lks. dist.,
marked S C + S 388T, No other tree within limits.
Raise a mound of stone, 2 ft. base, 1; ft. high, N.
of cor., Fits impracticable.
Begin descent from whose of ridge.
Deep, resky, gulch, 50 lks. wide, course N.E.; Lasse boulders
and dense brush; ascend.
 .52.00
      70
   66.00
                  Trail, brs. N.N.E. and S.S.W.
  69.70
                  Chromocraterals Has and Sks. dist which I destroy. Ridge, bree N. and S. Set a quartaite stone, 18 x 10 x 5 ins., 12 ins. in
   78.00
                                                                                                    12 ins. in the
   BO.00
                   ground, for our. of secs. 34 and 35, marked 8 C on M.
                   face, with 2 grooves on E and 5 grooves on W. faces, and raise a mound of stone, 2 ft. base, 12 ft. high. E. of cor. Pits impracticable.
                   Land, mountainous.
                 Soil, gravelly, stony and rocky: 3rd and 4th rate.
Timber, a few juniper and oedar, undergrowth, oak,
manzanita, tesotilla, laurel, memoal, Spanish bayonet
                       and cacti.
                   Mountainous land, covered with dense undergrowth, exceptionally difficult to survey, 80.60 chs.
               Amount 24: At 7 a.m., l.m.t., Theoret 11. 20. N. on the decl. are and 35. 25. N. on the lat. are, and determine a true meridian with the solar at the cor. of secs. 34 and 35 on the Gila a Salt River Base line.
                                                                         I set off 11. 20' N. on the
               Thence I run,
West on the South box. of see Section through dense brush,
              Small gulen, course S.; ascend.
Road, brs. N. and S.
Top of South Slope of ridge; leave Edise brush; descend.
Gulch 10 lks. wide, course S.; ascend.
Spur, extends S., descend.
Gulth, 10 lks. wide, course S.E.; ascend.
Spur, extends N.; descend.
   5.00
 6.40
11.60
 15.00
 16.52
 19.20
 20.70
               Spur, extends N.; descend.
```

is wall and the first

RESURVEY OF BASE LINE THROUGH RANGE 14 EAST.

chains Gulch, 10 lks. wide, course N.; ascend. Ridge, extends N. and S., descend. 22.80 28.40 Open cut, brs. N. 1.00 ch. dist.
Gulch, 25 lks. wide, course S., ascend.
eld † W. C. cor., brs. North, 60 ks. dist, which I destroy.
Set a granite stone, 18 X 6 X 6 ins. in mound of stone,
for † sed. cor. marked s C + 8 of Meride and relate about
of stone, 2 ft. base, 12 ft. high, N. of cor. Fits 33.70 34.50 37.10 40.00 impracticable. Ridge, extends N. and S.; enter dense brush; descend. Gulch, 20 lks. wide, course S., ascend.
Top of ridge, extends N. and S.
Old cor. brs. N. 85 E. 352 lks. dist.whichIIdestroy.
Set a granite stone, 18 X 10 X 7 ins.; 12 ins. in the 55.00 **65.0**0 75.20 80.00 ground, for cor. of secs. 33 and 34, marked S C on M. face, with 3 groves on E. and W. faces, from which.

A cedar tree, 14 ins. diam., brs. N. 78° 45° M. 185°
lks. dist., marked T 1 M R 14 E S 34 B T.

Raise a mound of stone, 2 ft. base, 1½ ft. High. N.

of cor. Pits impracticable. No other trees available. Land, mountainous, broken and gently rolling.
Soil, gravelly, stony and rocky; 3rd and 4th rate. Timber, seattering pinon and cedar; undergrowth, messanita, tesetilla, Spanish bayonet and cacti.
Mountainous land, or land covered with dense undergrowth,
exceptionally difficult to survey, 50.00 chs. august 24: At noon, I set off 110 14' N. on the decl. ard and observe the sun on the meridian; the resulting lat. is 33° 23' N. West on the mouth bdy. of sec. 33. Over gently rolling land, through dense brush. Begin secent over broken ground. Top of rocky knoll; descend steep over boulders. 10.80 12.50 37.60 40.00 Raise a mound of stone 2 ft. base, 1 ft. high. H.
of cor. Fits impracticable.
Beaky ridge, 500 ft. above guich.
Butto steep descent.
Six Now, cor. box. N. 75° 45' E., 495 Fts. dist. which I destroy.
Set a granite stone, 16 x 12 x 10 ins., 11 ins., in the
present for cor. of cors. W. and 50' marked S U on E.
face, with 3 grooves on W. and 4 grooves on E. faces.
From which
a chapparal tree, 8 ins. dism., brs. N. 80° W., 70
iks. dist., marked T 1 N P 14 limits. 50.70 io Ede A phapparal tree, 8 ins. diam., brs. N. 80° W., 70 iks. dist., marked T 1 N R 14 E S 52 B T.
Raise a mound of stone, 2 ft. base, 1 ft. bich of cor. Pits impracticable se other tree within I.
This cor. stands 450 feet below ridge. This cor. stands the rest pelow riage.
Lend, mountainous, broken and gently rolling.
Soil, grevelly, stony and rocky; 5rd and 4th rate.
Timber, a few dedar; undergrowth, oak, mensamite, tosotille.
Laurel, mescal. Spanish beyones and cacti.
Mountainous, or land covered with dense undergrowth, exceptionally difficult to survey. 80.00 chs. August 24, 1906. August 25: At 7 a.m. 1.m.T. I set off let 56 / I on Sect. are and are 25 N./on the lat. are and determine type my ideas the setup at the cor. of mans. 25 of 25 at 25 at

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ohains
                                                                   Thence I run. West on the S. bdy. sec. 32.
            Descending over rocks and boulders.
22.00 Enter dense brush.
26.70 Guloh, 20 lks, wide, course S.; ascend.
28.00 Ridge, extends N.E. and S.W.; descend.
26.00 Efter diligent search I fail to discover the circulated the old standard the cor. of Sec. 22, I. l N. R
   the old standard tase. cor. of Sec. 5E, I. 1 s. 14 E.

I set a granite stone, 18 X 10 X 5 ins. in manual of stone, marked S C + S en H. face. From which An oak tree, 5 ins. dism. brs. H. 55 E. 35 lks. dist., marked g.C. I/4852MF. No other trees within limits.

Raise a mound of stone, S Ft. base, 1; ft. high. H. of cor. Pits impracticable.

41.85 Sareh 50 its wide source S.E.; ascend.

50.00 Ridge extends H. and S. leave dense brush; descend.

57.90 Spur. extends H. ascend.

59.00 Guich, 10 lks. wide, course H.; ascend.

75.89 Spur. extends H.; descend.

76.00 Old Sec. cor. box. H. 70 E. 221 lks. dist. which I destroy.

77.80 Old Sec. cor. box. H. 70 E. 221 lks. dist. which I destroy.

60.00 Set a granite stone, 18 X S X S ins. in mound of stone, for cor. stone, 18 X S X S ins. in mound of stone, with 1 graces on H. and S2 marked S O ch H. face, with 1 graces on H. and 5 greeves on E. face, and raise a mound of stone, 2 ft. base, 14 ft. high, H. of cor.
                                                                   a mound of stone, 2 ft. base, 12 ft. high, H. of cor.
Pits improviousla.
Land, maintainous.
                                                                     Seil, gravelly, stony and rocky; 3rd and 4th rate.

Finder period oak; undergrowth, eak, imurel, tesotila,

manusalite Syanish bayonet and cacti.

Mountainous, or land covered with domes undergrowth, ex-

ceptionally difficult to survey, 80.00 chs.
                                                                 27.70 Hidge, extends & Main R. 2. descend.
22.00 Open out; 10 lks. Wide, course S.
23.75 Outch, 10 lks. Wide, course E. ascend.
20.00 Leave dense brush, extends E. and S.
20.00 Hidgen extends N. and S. 3. descend steep slope.
40.00 After diligent search I failte find any trace of the old seed.
25.00 After diligent search I failte find any trace of the old seed.
      set appearance seems 18 Y 10 X 5 ins. 12 ins. in the greated for seen our manistric and S. Teom. From which itself in tree 5 ins. diam. brs. N. 555 V. 98 lks. dist. marked 8 S1 B T S. C. No. taker trees in limits. analysis of the dist. Extree a md. of stones 2 H. C. 100 bad. brs. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 bad. brs. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. of cor. 1.70 ca. N. and S.S. (base 1/1/2 ft. high. N. and S.S. (ba
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                                                                           This is rome over mountainene land. Tours 1 forth Bush 18 Fast 18 membersons and roughs
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             For red ink corrections see
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                                                                                     letter dates novi/1907. 4. S. à
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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

BOOK	2051	

		BOOK
	LIST OF NAMES.	
A list of the names of the in	ndividuals employed by	V Whym
	, United States Deputy Surveyor, to assist	in running measuring, an
marking the lines and corners desc	ribed in the foregoing field notes of the sur	vey of
I amil Vine bound of the) as Live, thousan Human 14	(low)
showing the respective capacities in		
	- Lulin II - Drugor Ja Jan	Chainman.
	bounds properly & money	Z. Bahasz., Chainman.
·		\ , Moundman
		, Moundman
	James Draw	Axman.
		, Axman.
•	Whompha Danka	· · · · · · · · · · · · · · · · · · ·
FINA	AL OATH OF ASSISTANTS.	$ ilde{oldsymbol{ iny V}}_{},$ $ ilde{oldsymbol{Flagman}}.$
We hereby certify that we a		(0
we hereby certify that we s		.,,,,,
	United States Deputy	Surveyor, in surveying a
those parts or portions of the		
- 2 WW WWO.	Sall River Base Pinn	
<u>)</u>	mungh 14 5 ns	* \(\)
· • • • • • • • • • • • • • • • • • • •		of the Andwwwd
DANN RAWY BASS AND meridian	of Annyman	, which are represented
in the foregoing field notes as havin	g been surveyed by him and under his dire	ction; and that said surve
corner monuments established, acc	t of our knowledge and belief, well and fa ording to the instructions furnished by	ithfully surveyed, and the United States Surveyo
General for YWWWW.		States Salvey .
Λ	2 Dilmillo mimor	~1
George Davi	T	, Chainman.
Jenge Davi	o Crums Togul	Chainman.
	. 150	, Moundman.
	Los & Boren	, Moundman.
	james Argel	Axman.
		, Axman.
-	Chorles Dur	Rei, Flagman.
	//_	
Subscribed and sworn to before me t	his 30	
day of Ochily		Power
OCCOCO O SEAL O OCCOCOCO	Notury Public, Pimu ; Mit Apmenteria - r	Gounty, Arizona Territory, pires April 27th, 1903.
	A SECTION OF THE SECT	PUTUS APPIL 2/th, 1903.

OK.				
I,	Wywy M	1777 00 p	·	, United States Deputy Surveyor, do
solemnly swea	r that, in pursuance of	a contract rec	ceived from2	symple 5. Brogalls
				bearing date of the
				well, faithfully, and truly, in my own
				nished by the United States Surveyor
General for	-M	, the	Manual of Surv	reying Instructions, and the laws of the
United States	, surveyed all those par	ts or portions		
	<i>jj</i>		~~~~~~ ~	
	John Mila	Mary Mory	12WW 51.W	/
	1 hringh	~ 16 moon ,	1K forest	
)	<u> </u>		of the silw was ball
RAMON/ BARRA	/www\ meridian in the	e Danning	of $$	which are represented in the
foregoing field	I notes as having been	surveyed by	me. and under	by direction; and I do further solemnly
swear that all	the corners of said sur	rvev have been	n established an	d perpetuated in strict accordance with
				ructions of the United States Surveyor
				her described in the field notes, and that
	are the original field n		•	
the foregoing	are the original neid in	Oles Of Such S	ar voy.	
			\mathcal{O}	
			(M	United States Departy Surveyor
				United States Deputy Surveyor.
	of in	<i></i>		"
Subscribed by	y said Thilip Co	nzen	and sworn to	before me
this	my to day of De	cembr	1906	· · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·	day or			Will !
**************************************			\mathcal{E}	Slumy
	SCOCOO SEAL S			William
•	Significance		-	
E		graph and the second se		w.
	•	APP	ROVAL.	
				WOR GENERAL
	OFFICE OF T	HE UNITED S	STATES SURVE	EYOR GENERAL,
·			(4 / no	1. 1 (1) Jahr 15 = 1907
The for	regoing field notes of th	e survey of!	the July	and Salt Twee
(Dage	Line thro C	Paner /	4 East	GX3 Q Brm
Anna M	1. 4			
(NIN)	<u> </u>			
executed by	Philip Con	tru d	9.8	
•	ntract No. 138,		6 ril 15=	1906 , 190 , having bee
				ions made, the said field notes, and th
-	describe, are hereby ap		~	
surveys they	are nerony at	Pro roa.	-Ju an	ut Donalls
		•		United States Surveyor Genera
I certi	fy that the foregoing tr	anscript of th	e field notes of t	the above-described surveys in
				the original notes on file in this office.
				Land the second of the second
				United States Surveyor Genera

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.