Pook Page 1910

2212

BOOK 2212

Cocapted Letter E, Gay //1,

FIELD NOTES

2212

OF THE SURVEY OF THE

2212

·	South boundary of Tp. 14 N. Rg. 6 T. and the fraction	nal S.
<u></u>	boundaries of Tps. 14 N. Pgs. 5 and 7 W. and the frac	tional
	E. boundary of Tp. 14 N. Rg. 7 W.	
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•	2212	·
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		; , , , , , , , , , , , , , , , , , , ,
Section 1	Of the Gila and Salt River Meridia	n,
	Territory of Arizona	
	AS SURVEYED BY	
	John F. Hesse , United States De	puty Surveyor,
Under	his Contract No. 158 , dated June 4, 1009.	
Survey	commenced Herch 10, 1910.	, 19
Survey	completed March 17, 1910.	19
	3—151	

BOOK 2212

NAMES AND DUTIES OF ASSISTANTS.

•••••••••••••••	Α,	<u>N.</u> .	Oliver	 	Chainn	ian		
	Λ.	Ξ.	Lyon	 ~~~~~~~~~~~	Chainn	ar.		
								~~
	P.	Lar	rson	 		an		
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BOOK 2212

INDEX DIAGRAM.

Towns	hip /1	⁰ 1	., Range	JW		
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		R6W	ers Page T 14 N.	Meande	
ا	3 <i>6</i> 3	34 3	53 4	3-4	31
				(P. Ful	T11/01
-				R5W	T.14N.

PRELIMINARY OAT	HS OF ASSISTANTS.
200K	
Wm A N Cliver	and A. E. Lyon
•	xecute the duties of chainmen; that we will level the
·	ally pins, either by sticking or dropping the same; that
•	ets, and the true lengths of all lines that we assist in
•	accordance with instructions given us, in the survey of
The S. bdy. of Tr. 14 N. Rg. of 14 N. Rgs. 5 and 7 W. and the	6 W., the fract. S. bdys. of tps fract E. bdy. of Tp. 14 W. Rg. 7 W.
· 	G. M. May Chainman.
	a grant and
***************************************	Chainman.
Subscribed and sworn to before me this 10th.).
day of <u>Varch 1910</u> , 19	
	John 4. Hesse

	U. S. Peruty Surveyor
Wr	and
•	rform the duties of moundmen in the establishment
•	to the best of our skill and ability, in the survey 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, 19	{
uay or, 15	,
***** ** SEAL (*)	
※※※※※	·
Wy	and
•	m the duties of axmen in the establishment of corners
•	to the best of our skill and ability, in the survey of
·	
· 	, Axman.
	, Axman
Subscribed and sworn to before me this)
day of, 19	
uay or, 10	
WEEKEN MOSE AT L	
	·
P. Larson	, do solemnly swear that I will well and truly
perform the duties of nagman according to instruction the S. bdv. of Tr. 14 N. Po	ons given me, to the best of my skill and ability, in the
survey of Trail 14 No Real 5 and 7 W	. 6 W. and the fract. P. bdye. of and the fract. E. b. of Tp. 14 N
Rg. 7 W.	Parson, Flagman
	V V W W S O T L 1 , Flagman
Subscribed and sworn to before me thislCth)
day of March, 1910. , 19	
uay 01	John Lesse

SEAL

No notary available without loss of time and great expense.

Chains.

Survey commenced March 10, 1910, and executed with an A. Lietz Co. light mountain transit No. 5631, with solar attachment. The horizontal limb is provided with two. double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniage of the latitude and declination arcs. The instrument was examined, tested on the true reridian at Phoenix, found correct, and was approved by the surveyor general for Arizona

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.m., and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of Tp. 14 N. Rg. 5 W.; latitude 34°92′/0″N. longitude//2° 42′3/″N y I set off 34° 32′N on the lat. arc; 4° C7! S. on the decl. arc; and at 4h. Com. r. m. 1 m. t.

C7' S. on the decl. arc; and at 4h. OOm. r.m., 1, m.t., determine with the solar a meridian and mark a roint thereof, on a stone firmly set in the ground, 5 chs. N. of the cor.

At Sh. 11m. p.m., by my watch, which has correct 1.m.t. I observe polaris at western elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a reg driven in the ground, 5 chs. N. of my station.

March 10, 1010.

March 11: At 7h. ZOm. a.m., l.m.t., I lay off the azimuth of Polaris, 1° 261 to the east, and mark the meridian thus determined, by cutting a small groove in the stone set March 10. on which the monitor e stone set March 10, on which the meridian coincides

to the mark determined by the solar.

It 8h. 00m. a.m., l.m.t., I set off 34° 32'A' on the t. arc; 3' 512' S. on the decl. arc; and mark a point h the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark coincides with the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines rositions for meridians which coincide with the meridian established by the Polaris observations; there fore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 8h. 15m. a.m., is N. 14° 30' W.; the angle thus determined gives the mag. decl. 14° 30' E.

From the cor. of secs. 4, 5, 32, and 33 on the S. bdy. of Tr. 14N. Rg. 5 W. which is a malpais stone 18 x 10 x 10 ins. poorly set in a small mound of stone and marked and witnessed as described by the surveyor general. I re-set, the stone 10 inc. in the ground and brighten the old marks and re-build mound of stone 2 ft. base 12 ft. high W. of the cor.

Thence I run

West bat. secs. 5 and 32

Ascendisteen S. F. slore

Vest bat. secs. 5 and 32
Ascend steep S. F. slope
Ridge bears N. E. and S. W. descend.
Slope tacomes very steep.
Cross with 25 lks. wide in bottom of canyonand ascend.
Setta malpais stone SC x 12 x 6 ins. 15 ins. in the ground for t sec. cor., marked t on N. face; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits impracticable impracticable.

Ridge bears N. and S. descend. Cross drain 7 lks. wide course S. and ascend.

49.00

Chains. Ridge bears N. and S. descend. Slope becomes very steep. 62,00 67.00 Set a malpais stone 18 x 10 x 6 ins. 19 ins. in the 20.00 Fround for cor. of secs. 5, 6, 31 and 32, marked with notches on E. and 1 notch on W. edges: and raise a mound of stone 2 ft. base 12 ft. high, W. of cor. Pit impracticable. Land, mountainous. Scil, rocky, 4th. rate. No timber. Mountainous land 80.00 chs. Narch 11: At this sor. I set off 3° 48% S. on the decl. arc; and observe the sun on the meridian at noon, the resulting lat. is 34° 32'N. West bet. secs. 6 and 31 3 Descending W. slore into canyon. Cross wash 50 lks. wide course S. and ascend steep slope 1.60 out of canyon. Ridge bears N. and S. and descend.
Set a malrais stone 20 x 10 x 8 ins. 15 ins. in the ground for a sec. cor., marked a on N. face; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits 37.00 40.00 impracticable. Peacend steeply, into canyon. Cross wash 35 lks. wide course S., and ascend. 42.00 50.50 Over nearly level mesa

Set a malpais stone 30 x 10 x 10 ins. 15 ins. in the ground for cor. of Tps. 13 and 14 N. Rgs. 5 and 6 W., marked 14N on N. E., 5W on S. E., 13N on S. W. 6W on N. W. faces; with 6 notches on each edge: and maise a mound of stone 2 ft. base 12 ft. high, S. of cor. Proventiceble 64.00 70.50 impracticable. Land, mountainous and level. Soil, rocky; 4th. rate. No timber. Mountainous land 64.00 chs. March 11, 1910.

52

	Chains.	South boundary of Tr. 14 N. Rg. 6 W.
•	onains.	March 12: At Sh. Com., a. m. l.m.t., I set off 34°32'N on the lat. arc: 3° 384 S. on the decl. arc; and
		determine a meridian with the solar at the cor. of Tps. 13 and 14 N. Pgs. 5 and 6 W. previously described. Thence I run
•	,	West bet. secs. 1 and 36 Over nearly level mesa.
	8.00 15.25	Descend very steep slope into canyon. Cross wash 30 lks. wide course 2. W. and ascend steep slope.
	23.00	Top of S. end of high ridge extends N. and descend steep slope into canyon.
•	40.00	Set a malpais stone 18 x 3 x 3 ins. 13 ins. in the ground for \$\frac{1}{2}\$ sec. cor., marked \$\frac{1}{2}\$ on M. face; and raise a mound of stone 2 ft. base \$1\frac{1}{2}\$ ft. high, N. of cor. Pits impracticable.
	41.50 51.00	Oross wash 35 lhs. wide commse A. ascond. Over nearly level ness.
-	80.00	Set a malrads stone 20 x 18 x 8 ins. 15 ins. in the ground for cor. of secs. 1, 2, 35 and 36, marked with 5 notches on W. and I notch on E. edges; and raise a mound of stone 2 ft. base 1/2 ft. high, W. of cor. Pits
		impracticable. Land, mountainous and level. Soil, rocky; 4th. rate. No timber.
- -		Mountainous land 80,00 chs. March 18; At this cor. I set off 3° 25' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 32'N.
	y	
	37.00	West bet. secs. 2 and 35 Over nearly level top of mesa. Cross drain 7 lks. wide course S.
	40.00	Set a malpais stone 18 x 8 x 8 ins. 10 ins. in the ground for the sec. cor., marked then N. face; and raise a mound of stone 2 ft. base 1/2 ft. high, N. of cor. Pits
	61.00	impracticable. Rim of mesa N. W. and S. E. descend very steep rockyS. W slope.
-	80.00 -	Set a ralpais stone 24 x 2 x 6 ins. 19 inc. in the ground for cor. of secs. 2, 2, 24 and 35, marked with 2 notches on E. and 4 notches on W. edges; and raise a
		mound of stone 3 ft. base 1 ft. high, W. of cor. Pits impracticable. Land, mountainous and level.
		'Soil, rocky; 4th. rate. No timber. Mountainous land, 19.00 chs.
		March 12, 1910.
		15
		March 13: At Ch. Com. a.m., l.m.t., I set off 34°32'N on the lat. arc; 3° 04½' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. S, 3, 34 and 35 Thence I run
·	40.00	West bet. secs. 3 and 34 Descend along steer rocky S. W. slope. Set a ralpais stone 88 x 14 x 8 ins. 18 ins. in the ground for \$\frac{1}{4}\$ sec. cor., marked \$\frac{1}{4}\$ on N. face; and raise
•	တေ့.ဝဝ	a mound of stone 2 ft. base 1/2 ft. high N. of cor. Pits impracticable. Through dense undergrowth.

South boundary of Tp. 14 N. Rg. 6 W.

	South boundary of Tp. 14 N. Rg. 6 N.
Chains	
78.00	Cross drain 8 lks. wide course S. W. and across M. end
	of Thompson Valley.
80.00	Set a mallais stone 18 x 10 x 8 ins. 12 ins. in the
	ground for cor. of secs. 7, 4, 33 and 34, marked with
	3 notches on F. and W. edges; and raise a mound of stone
	S ft. base ly ft. high, W. of cor. Pits impracticable.
	Land, mountainous. Soil, rocky; 4th. rate.
	No timber.
	Undergrowth, crufixion and oak brush.
	Mountainous land and land covered with dense undergrowth
	80.00 chs.
	March13: At this cor. I set off 3' Olz' S. on the doel.
	arc; and chaerve the sun on the meridian at noon; the
	resulting lat. is 34°32'N.
	geologic responses programme and a second construction of the second constr
	West bet. secs. 4 and 33
	Over level land through dense undergrowth.
18.00	Oross dry creek 80 lks. wide course S.
20.50	Cross fence bears N. and S. Leave brush.
26.75	Cross fence bears N. and S. Barn bears N. 185 lks. "induill bears S. 200 lks.
27.40	East side of shed.
28.50	Cross fence bears N. and S.
39.10	Cool house bears S. 200 lks.
	Mullen's house bears S. 275 lks.
37.25	Cross fence bears N. and S. and through dense undergrowth.
40.00	Set a malgais stone 18 x 10 x 8 ins. 12 ins. in the ground for t sec. marked t on N. face; from which A mescuite 4 ins. diam., bears N. 33° E. 17 lks.
	ground for t sec. marked t on N. 1800; from which
	dist., marked \$233PT.
	An oak 4 ins. diam., bears S. 612 E. 48 lks.
	dist., marked \$34BT.
40.50	Cross wash EO lks. wide course S. E. and ascend gently.
46.00	Cross old road bears N. W. and S. E.
80.00	Set a granite stone 18 x 12 x 6 ins. 12 ins. in the
	ground for cor. of secs. 4, 5, 32 and 33, marked with
	4 notches on E. and 2 notches on W. edges; dig pits 18 x 18 x 13 ins. in each sec. 52° ft. dist., and raise a
	mound of earth 4 ft. base 2 ft. high, W. of cor.
	Land nearly level.
	Soil, gravelly and sandy 2nd. rate.
	No timber.
	Undergrowth resquite, catclaw and oak brush.
	Land covered with dense undergrowth, 63.25 chs.
	March 13, 1910.
	March 14: At 8h. OCm. a.m., 1.m.t., I set off 34° 32%
	on the lat. arc; 35 41' S/ on the decl. arc; and determine a meridian with the solar at the cor. of secs.
	4, 5, 32 and 33
	Thence I run
	West bet. secs. 5 and 32
	Ascend gradually through dense brush.
9.40	Road bears N. W. and S. F.
25.00	Ascend steep slope over huge granite boulders.
40.00	Mark a cross on a granite rock in place lox 8 x 5 ft. above ground for exact point for \$\frac{1}{4}\$ sec. cor., marked \$\frac{1}{4}\$.
	on N. of cross; and raise a mound of stone 2 ft. base
	1 ft. high, N. of cor. Pits impracticable.
62.90	Granite ridge bears N. and S. descend.
78.00	Cross wash 30 lks. wide course S. F. and ascend.

South boundary of Tr. 14 N. Eg. 6 W.

	Chains.	
	78.85	Pideo booms W. W. and C. T. domand
	80.00	Ridge bears N. W. and S. F. descend.
	00.00	Mark a cross on a granite rock in place 20 x 10 x 1 ft.
	•	above ground for exact roint for cor. of secs. 5, 6, 31
		and 32, marked with 5 notches on E. and 1 notch on W.
		of cross; and raise a mound of stone S ft. base 12 ft.
		high W. of cor. Pits impracticable.
		Land, mountainous.
		Soil, rocky; 4th. rate.
		No timber.
		Mountainous land 80.00 chs.
		March 14; At this cor. I set off 2 37 3 S. on the decl.
		arc; and observe the sun on the meridies at noon; the
		resulting lat. is 34°32(N.
		Material providence of the control o
		West bet. secs. 6 and 31
	·	Descend over huge granite boulders.
	17.50	Cross drain 6 lks. wide ascend.
	38.00	Granite ridge bears N. and S. descend.
	40.00	
	20.00	Mark a cross on a granite rock in place 22 x 2 x 1 ft.
	3	above ground for exact point for theec. cor., marked the
		on N. of cross; and reize a nound of stone 2 ft. base 12
	10 50	ft. high, N. of cor. Pits impracticable.
	48.50	Gross drain S lks. wide course S. W.ascend.leave boulders
	49.40	Pescend very steep slope into Mirkland Creek Canyon.
	59.00	Cross Kirkland Creek, clear running water 30 lks. wide
		course N. E. and ascend
	78.30	Ridge bears M. and S. descend.
	79.50	Set a granite stone 20 x 10 x 6 ins. 15 ins. in the
		ground for cor. of Tps. 13 and 14 N. Egs. 6 and 7 W.
		marked 14N on N. E., 6W on S. F., LEN on S. W., and
		7N on N. W. faces; with 6 notches on each edge; and
		raise a mound of stone 2 ft. base 12 ft. high, S. of cor
٠		Pits impracticable.
		Land, mountainous.
		Soil, rocky; 4th. rate.
		No timber.
		Mountainous land 79.50 chs.

March 14, 1910.

Chains.

1.75

17.50 28.00 39.50

40.00

40.00

77.00

30.00

26.50

40.00

45.50 54.00

66.00 77.00 80.00

March 16: At 8h. 00m. a.m., l.m.t., I set off $34^{\circ}32^{\circ}N$ on the lat. arc; l. $53\frac{1}{6}$! Noon the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35

Thence I run
West bet. secs. 3 and 34.
Ascend very steep slope.
Ridge bears N. and S. descend.

4.50 Ridge hears N. and S. descend. 33.00 Cross wash 15 lks. wide course N. ascend.

 	South boundary of Tr. 14 N. Rg. 7 W.
Chains. 27.60 30.50 40.00 50.00 67.00 72.50 80.00	Ridge bears N. and S. descend. Cross wash 10 lks. wide course N. F. ascend. Set a granite stone 20 x 10 x 8 ins. 15 ins. in the ground for the sec. cor., marked the on N. face; and raise a mound of stone 2 ft. base 1 th. high; N. of cor. Pits impracticable. Ridge bears N. and S. descend. Cross wash 15 lbs. wide course N.ascend. Ridge bears N. and S. descend. Set a granite stone 20 x 8 x 8 ins. 15 ins. in the
	ground for cor. of secs. 3, 4, 33 and 34, marked with 3 notches on E, and W. edges; and raise a mound of stone 2 ft. base 12 ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4th. rate. No timber. Mountainous land 80.00 chs. March 16; At this cor. I set off 1° 502' S. on the decl.
	arc; and observe the sun on the reridian at noon; the resulting lat. is 34°32'N.
 3.50 14.00	West bet. secs. 4 and 33 Pescend steep slope. Cross wash 20 lks. wide course N. W. Ridge bears N. and S. descend.
19.80 29.80 40.00	Cross drain 6 lks. wide course N. E. ascend. Cross wash 25 lks. wide course N. E. ascend. Set a granite stone 18 x 12 x 12 ins. 12 ins. in the ground for 1 sec. cor., marked 1 on N. face; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits
44.00 52.00 73.60 80.00	impracticable. Ridge bears N. W. and S. E. descend. Cross drain 8 lks. wide course S. W. ascend. Ridge bears S. W. and N. E. descend. Set a granite stone 18 x 10 x 8 ins. 13 ins. in the ground for cor. of secs. 4, 5, 32 and 33, narked with. 4 notches on E. and 2 notches on W. edges; and raise a mound of stone 2 ft. base 12 ft. high W. of cor. Pits impracticable Land, mountainous.
	Soil, rocky; 4th. rate; No timber. Mountainous land, 30.00 chs. I discontinue the survey of the south boundary at this cor. the land to the west being extremely rough and unsurveyable and the section line running N. from this cor. will include all the agricultural land in the township.
	March 16, 1910.

		East boundary of Tp. 14 N. Rg. 7 W.	
	Chains.	March 17: At 8h. COm. a.m., lm.t., I set off 34°32'N on the lat. arc; 1° 30' S. on the decl. arc; and determine a meridian with the sclar at the cor. of Ths. 13 and 14 N. Rgs. 6 and 7 W. previously described	
	8.75 20.75	Thence I run North bet. secs. 31 and 36 Pescend very steep slope into Kirkland Creek Canyon. Cross Kirkland Creek 80 lks. wide clear running water, and ascend very steep slope out of canyon. Over broken land covered with huge granite boulders. Cross drain 7 lks. wide course W.	
•	38.00 40.00	Rescond. Set a granite stone 18 x 10 x 6 ins. 18 ins. in the ground for t sec. cor., marked t on W. face; and raise a mound of stone 2 ft. base 12 ft. high, W. of cor. Pits impracticable.	
	48.00 54.00 79.80 80.00	Cross drain 6 lks. wide course W. and ascend. Cross drain 5 lks. wide course W. Ridge bears E. and W. descend. Seta granite stone 18 x 8 x 6 ins. 12 ins. in the gro ground for cor. of secs. 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on N. edges; and raise a mound of stone 2 ft. base 12 ft. high, W. of cor. Pits	
		impracticable. Land, mountainous. Soil, rocky; 4th. rate. No timber. Mountainous land 80.00 chs.	
	16 . 50	North bet. secs. 35 and 30 Pescending over huge granite boulders. Cross head of drain 5 lks. wide course W. Ascend steep slope.	
	19.25 23.00 36.90 40.00	Cross road bears E. and W. Ridge bears N. W. and S. E. descend steep slope. Cross drain 5 lks. wide course W. ascend. Set a granite stone 18 x 8 x 8 ins. 13 ins. in the ground for 1. sec. cor., marked 1 on W. face; and raise a mound of stone 2 ft. base 12 ft. high, W. of cor. Pits	
	41.80	impracticable. Fidge bears N. W. and S. E. descend steep slope. Cross wash 70 lks. wide course N. W. and ascend steep slope.	
	76.40 80.60	Ridge bears N. W. and S. E. descend. Set a granite stone 18 x 8 x 8 ins. 12 ins. in the ground for cor. of secs. 19, 24, 25 and 30, marked with 2 notches on S. and 4 notches on N. edges; and raise a mound of stone 3 ft. base 1 ft. high, W. of cor. Pits	
	1, He	impracticable. Land, mountainous. Soil, rocky: 4th. rate. No timber.	
		March 17: At this cor. Feset off 1° 262' S. on the declarc; and observe the sun on the meridian at noon; the resulting lat. is 34° 34'NV	•
	19.00 37.00 40.00	North bet. secs19 and 24 Pescending steep slope over huge granite boulders. Cross wash 30.1ks. wide course W. and ascend steep slope Ridge bears W. and W. descend. Set a granite stone 18 x 8 x 6 ins. 12 ins. in the ground for the sec. cor., marked the on W. face; and raise a mound of stone 2 ft. base 12 ft. high, W. of cor. Pits impracticable.	

East boundary of Tp. 14 N.

Chains. 49.50 56.00 57.50 61.00 80.00

Cross drain 6 lks. wide course W. and ascend.

Ridge bears E. and W. descend.

Cross drain 7 lks. wide course S. E. and along drain

Leave drain bears N. W. and ascend.

Set a malpais stone 18 x 18 x 18 ins. 18 ins. in the

ground for cor. of secs. 15, 18, 19 and 24, marked with

3 notches on N. and S. edges; and raise a mound of stone

3 ft. base 12 ft. high, W. of cor. Pits impracticable.

Land. mountainous. Land, mountainous.

Soil, rocky; 4th. rate. No timber.

Mountainous land 80.00 chs.

I discontinue the survey of the east boundary at this cotthe land to the north being extremely rough and unsurvey able and the section line running west from this cor. will include all the agricultural land in the township.

March 17, 1910.

poundaries of Tp. 14 N. Rg. 7 W.

Latitudes, departures and closing errors.

1: 0 : 4 /	True	n' d	Latitu	les	Departo	res
Line Designated	bearing	Distance :	N	S	Æ.	w.
E.bdy.Tp. 14NR.7W	North	160.00	160.00			
Bet. Secs. 24+25				.02		80.02
" " 23 × 26				./4		80.02
11 1, 22 * 27		i i	.02	·		79.96
" " 2/ + 28	1			.07		79.94
" " 28 × 29) and 32 × 33		160.00		160.00	./0	
S bdy. TIYNR 7 W.					320.00	
Gonverg		l .				.11
	/		160.02	160.23	320 01	340.05
Error in Lat.				ETTOT	in dep.	

GENERAL DESCRIPTION

This township is extremely rough and mountainous. There is no timber in the township. Kirkland Creek runs through the southern part of the township.

John A. Hesse U. S. Deputy Surveyor.

South Boundary of Tr. 14 N. Rg. 5 W.

Corrections.

July 2, 1911: I move the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp. 26 lks. west, destroy all traces of the cor. as originally set, and re-establish it as follows:

Set a malpais stone 18 x 10 x 8 ins. 12 ins. in the ground for cor. of secs. 5, 6, 31 and 32, marked with

5 notches on E. and 1 notch on W. edges; from which
A walnut 8 ins. diam., bears S. 32½ W. 41 lks.
dist., marked Tl3NR5WS6BT.
A walnut 6 ins. diam., bears N. 76¼ W. 31 lks.

dist., marked Tl4NR5WS31BT.

No other trees available. Raise a mound of stone 2 ft.

base 12 ft. high, W. of cor. Pits impracticable.
Thence I run west on my original line bet. secs. 6

and 31

Cross wash 50 lks. wide course S.

Ridge bears N. and S. I destroy all traces of the $\frac{1}{4}$ sec. cor. as originally set and re-establish it 76 lks. west of its original position as follows;

Set a malpais stone 20 x 10 x 8 ins. 15 ins. in the ground for t sec. cor., marked t on N. face; and raise a mound of stone 2 ft. base 1; ft. high, N. of cor. Pits impraction of stone 3 ft. canyon.

41.25 Cross wash 35 lks. wide course S. 49.75

63.25 79.50

Over top of mesa.
The cor. of Tps. 13 and 14 N. Rgs. 5 and 6 W. as original ly established.

From the cor. of secs. 5, 6, 71 and 32 as re-established I chain East on my line and at The $\frac{1}{4}$ sec. cor., bet secs. 5 and 32. All notes in the mile bet. secs. 5 and 32 remain as originally given.

> John F. Hesse U. S. Deputy Surveyor.

1.35 26.75 40.00

λ

40.00

22 ¹² I,	John F. Hesse, United States Deputy Surveyor,
solemnly sv	vear that, in pursuance of a contract received from Frank S. Ingalls
	tes Surveyor General for Arizona, bearing date of
	day ofJune 1909 , I have well, faithfully, and truly, in my o
	on, and in strict conformity with the instructions furnished by the United States Survey
General for	Arizona , the Manual of Surveying Instructions, and the laws of
United Sta	tes, surveyed all those parts or portions of the S. bdy. of Tp 14 N. Rg. 6 W.
the	fract. S. bdys. of Tps. 14 M. Rgs. 5 and 7 W. 21d the Proct.
	ody - of Ty - 14 N - Pg - 7 N -
	of the Gila and Salt
<u> </u>	ver meridian, in the Territory of Arizona, which are represented in the
foregoing f	eld notes as having been surveyed by me, and under my direction; and I do further solema
swear that	all the corners of said survey have been established and perpetuated in strict accordance w
the Manual	of Surveying Instructions, and the special written instructions of the United States Survey
General for	Arizon2and in the specific manner described in the field notes, and the
the foregoing	ng are the original field notes of such survey.
	John Williams
	United States Deputy Survey
Subscribed	
an = this	28 th day of somman, 1910
	Snaul I In ralle
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(OSEAL O MO Our Geful for Climans
	APPROVAL.
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	OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
	Theuir Clair Clan 18 14
	160 10
The	coregoing field notes of the survey of The South Boundary of Jo 1471.
16 W au	the fractioned Caseth Danielouis of Jod. 14 n. /6
Jack	7 West and fractional East Danielong
p. 14	n R 7 W Ste Tila and Dalt Covin Bo
Suf	Meridian lengur
executed by	The Distance Man della Comment
under his c	
/	xamined, and the necessary corrections and explanations made, the said field notes, and
rritically a	y describe, are hereby approved.
	the second of th
	United States Surveyor Gener
surveys the	United States Surveyor Gener
surveys the	cify 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.