-1836-

Dodk. B. Marzilos BOOK 1836

FIELD NOTES

OF THE SURVEY OF THE

-	E. hamlany TIOS RILE.	
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	T105 R15E	
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•	5 fine and an top miles of the E	
36	Loudany of T98 R15E	
6	Ir hours on Tros R15E	
	5 Ince mile of the E hamila	y
	J T93RIHE	
	Of the Siea & Forth Rim Meridian,	
	Ongue,	
	AS SURVEYED BY	1071070
	Under his Contract No. 17 dated	1904
F	010001 1000 001001 0000 0101	904 120
		904 120
	Survey completed	1 8 9
	6—101	N N
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NAMES AND DUTIES OF ASSISTANTS.

BOOK 1836 Elen E, am 6—151

BOOK 1836

	Extras DIAGRAM No. 1							
	Town	nship_(\)) S	Range	9410 16 E	9+9		
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15	1 ^a 7	8	9	10	11	12	3	.+
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	30	29	28	27	26	25	6	۲٦
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Meanders Page.....

PRELIMINARY	OATHS OF	ASSISTANTS.
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do solemnly sween that we will 11 12 12	and
Solution y Swear and we will well and faithful	ully execute the duties of chainmen; that we will level the
chain over even and uneven ground and plumb	the telly pine oith and the little of the
we will report the two distances to the tall	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, ar	nd in accordance with instructions given us, in the survey of
OOK 1836	(Fr 101) 1.
0012	Thank (Melton, Chainman.
	Thank (Melton, Chainman.
	, Chainman.
Subscribed and sworn to before me this)
day of, 189	}
uay 01, 189	,

WEEKE	
•	
We,	andand
	y 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
	•
	Commet J. Ford, Moundman.
	Moundman.
·	Jusus Lofuz "Moundman.
•	, mounaman.
Subscribed and sworn to before me this	<u></u>)
day of, 189	
, 100	<i>)</i> ,
M SEAT.	1
*****	·
i de la companya del companya de la companya del companya de la co	and
do solemnly swear that we will well and truly pe	erform the duties of axmen in the establishment of corners
do solemnly swear that we will well and truly pe	
do solemnly swear that we will well and truly pe and other duties, according to instructions given	erform the duties of axmen in the establishment of corners in us, to the best of our skill and ability, in the survey of
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do solemnly swear that we will well and truly per and other duties, according to instructions given	erform the duties of axmen in the establishment of corners in us, to the best of our skill and ability, in the survey of surlains, Axman. Axman.
do solemnly swear that we will well and truly per and other duties, according to instructions given Subscribed and sworn to before me this	erform the duties of axmen in the establishment of corners in us, to the best of our skill and ability, in the survey of the sur
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do solemnly swear that we will well and truly per and other duties, according to instructions given subscribed and sworn to before me this	erform the duties of axmen in the establishment of corners in us, to the best of our skill and ability, in the survey of the survey of the survey of the survey. Axman. Axman. do solemnly swear that I will well and truly uctions given me, to the best of my skill and ability, in the
Subscribed and sworn to before me this	erform the duties of axmen in the establishment of corners in us, to the best of our skill and ability, in the survey of surling, Axman. Axman. Axman. do solemnly swear that I will well and truly uctions given me, to the best of my skill and ability, in the survey of the survey
do solemnly swear that we will well and truly per and other duties, according to instructions given subscribed and sworn to before me this	erform the duties of axmen in the establishment of corners in us, to the best of our skill and ability, in the survey of strank and surlain and ability, in the survey of axman. Axman. do solemnly swear that I will well and truly uctions given me, to the best of my skill and ability, in the survey of axman. Flagman.
Subscribed and sworn to before me this	erform the duties of axmen in the establishment of corners in us, to the best of our skill and ability, in the survey of strank and surlain and arranged and arranged and arranged and solemnly swear that I will well and truly uctions given me, to the best of my skill and ability, in the survey of arranged arr
Subscribed and sworn to before me this	erform the duties of axmen in the establishment of corners in us, to the best of our skill and ability, in the survey of strank and surlain and ability, in the survey of axman. Axman. do solemnly swear that I will well and truly uctions given me, to the best of my skill and ability, in the survey of axman. Flagman.

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BOOK 1836

INDEX DIAGRAM. - No. 2

Tot	vnship 9	S	, Range	13 1		
6	5	4	3	2	1	M
3	8	9	10	11	12	A T V S
. 18	17	16	15	14	13 Vé	and who
3 ^t 19	20	21	22	23	24	26
.# 80 3	29	28	27	26	25	1
3 ⁵ 81	82	33	34	85	36	4
30	30 x 31	31	37	33	37 4 1	L

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS. 2E 1836 V. West 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 and TIOSRISE; and the S3 miles of E hamday T 4795R15E; N. La Subscribed and sworn to before me this _______, 188-1904) Rayh W Laugurth WE, Comus J. Ford and kudud dop 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 Ether Tros Rive; I homeony Tros Rive; M3 miles of the Ehrendony Tros Rive; T95 P15E; Whanday TOSRITE; and that 3 miles of Eh wy I Frank L. Durli 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 36/mile of the Elder Southhim TOSHIE MAN ann E. 2 mot Subscribed and sworn to before me this..... ly Cruin Boy furt 24'06 I, I Buth. ., 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 \$ 5 miles of the Ety Task 15E; Mary 71007 10E, and the & 3 miles of El Subscribed and sworn to before me this Ralydo W Laugur 6-151

Roct 1	noundaru	οf	T	10	2	Ð	16	F.	BOOK	1836

Chains

Survey commenced July 28th,1904, and executed by a Young & Sons light mountain transit, No. 7520; with a solar attachment, the horizontal limb having two double verniers placed opposite each other and reading to single minutes of arc.

The instrument was examined, tested on the true meridian at Phoenix, Arizona, found correct, and approved by the Surveyor General for Arizona, June 25th, 1904.

I begin at the standard cor. of Ts. 10 S. Rs. 16 and 17 E. hereinbefore described.

A.m. and p.m. solar and Polaris observations were taken at this point July 26th and 27th,1904. From the results of this operation, I conclude that the adjustments of the solar attachment are satisfactory.

From this station, lat. 32°-32-1/2' N., long. 116°-39' W., I run north on a randon line, between secs. 31 and 36.

Var. 12°-45' E.

40.00 Set temp. 1/4 cer. to secs. 31 and 36.

80.00 Set temp. cor. to secs. 25, 36, 31, and 36.

July 28th, 1904, I set off 18-58 Mon the decl. arc, and at 12 h. 0 m., 1.m.t., observe the sun on the meridian; the resulting lat. is 32-33' M.

North between secs. 25 and 30.

40.00 Set temp. 1/4 cor to secs. 25 and 30.

80.00 | Set temp. cor. to secs. 19, 24, 25 and 30.

July 28th,1904.

July 29th, 1904.

North between secs. 19 and 24.

40.00 Set temp. 1/4 cor. between secs. 19 and 24.

80.00 Set temp. cor. to secs. 13, 18, 19, and 24.

July 29th,1904; At 9 a.m., 1.m.t., I set off 32°-35'n lat. arc; 18°-46'mon the decl. arc; and determine a meridian with the solar.

North between secs. 13 and 18,

Chains 40.00 Set temp. 1/4 cor. to secs. 13 and 18. 80.00 Temp. cor. for secs. 7, 12, 13 and 18 falls in wash. 82.00 Set temp. witness cor. July 29th, 1904; I set off 18°-44 non the decl. arc, and at 12 h. 0 m., 1.m.t., observe the sun on the meridian the resulting lat. is $32^{\circ}-36-1/2'$. North between secs. 7 and 12. 40.00 Set temp. 1/4 cor. to secs 7 and 12. 00.08 Set temp. cor. to secs. 1, 6, 7 and 12. North between secs. 1 and 6. 40.00 Set temp. 1/4 cor. to secs. 1 and 6. 17 E., a decayed mesquite post, 4×4 ins. 83.90 x 3 ft., loose in the ground, bears west 1.09 chs. July 29th, 1904. July 30th, 1904.

> As old cor. is scarcely discernable, I reestablish in the original position by setting limestone, 8 x 8 x 20 ins. 15 ins. in the ground for cor. of Ts. 9 and 10 S. Rs. 16 and 17 E.; marked with 6 grooves on N.S.E. and W. edges; dig pits 24 x 24 x 12 ins. on each line N.E. and W.4 ft., and S. of stone, 8 ft. dist.; and raise a mound of earth, 5 ft. base, 2-1/2 ft. high, S. of cor. No bearing trees available.

July 30th, 1904; At 7 a.m., 1.m.t., I set off 32°-38' M on the lat. arc; 18-33-1/27 on the decl. arc; and de termine the meridian with the solar.

Thence I run.

- S. 0-8' E. on true line between secs. 1 and 6 on ascending slope.
- Top of hill. Becsend. 3.30
- Small wash, course east. Ascend. 5.10
- Top of hill. Descend. 8.80
- Wash, course east. Ascend. 10.80
- Top of hill. Descend. 15.80
- Wash, course east. 18.40

		1000
	Chair	ns -
	29.60	Wash, 50 lks. wide, course east. Ascend.
	31.70	
	33. 45	Wash, course east. Ascend.
	3 8.10	Top of hill. Descend.
	41.62	Wash, course N.E. Over roughly rolling ground.
	43.40	
	to the second	for 1/4 cor. between secs. 1 and 6 marked 1/4 on W.face
		dig pits 18 x 18 x 12 ins., 3 ft. N. and S. of stone;
		and raise a mound of earth 3 ft. base, 2 ft. high, west
-		of cor.
	52.80	Wash, course east. Ascend.
	54.70	Top of hill. Descend.
	57.75	Wash, course east. Over roughly rolling ground.
	62.80	Wash, course N.E.
	83.90	Set a granite stone 7 x 10 x 16 ins., 11 ins. in the
	e kajari	ground, for cor. to secs. 1, 6, 7 and 12, marked with
	•	one notch on N. and 5 notches on S. edges; dig pits
1		18 x 18 x 12 ins., in each sec. 5-1/2 ft. dist.; and
		raise a mound of earth, 4 ft. base, 3 ft. high, west of
	å	cor.
-		Land, mountainous.
1		Soil, sandy, 3rd rate.
		Timber, mesquite brush.
		Mountainous land, 83.90 chs.
	en é	
	•	S. 0°-8' E. on true line between secs. 7 and 12, over
	4.	roughly rolling land.
	1.10	Wash, course E. Ascend.
*	6.20	Cross road on top of hill, course E and W. Descend
		through dense undergrowth of mesquite.
	11.33	Left bank of large wash, course E.
	12.07	Right bank of wash.
	40.00	Set a quartzite stone, 12 x 12 x 16 ins., 11 ins. in the
	₹ ⁶	ground for $1/4$ cor. between secs. 7 and 12, marked $1/4$
		on W.; dig pits 18 x 18 x 12 ins., 3 ft. N.and S.; and
	*	raise mound of earth 4 ft. base, 3 ft high, W. of cor.
		· · · · · · · · · · · · · · · · · · ·

-		
	Chair	ns ,
		Ascend over gently rolling country.
	41.00	Top of hill. Descend.
	45.30	Wash, course E. Ascend.
	48.00	Top of hill. Descend through mesquite brush.
	5 3 .00	Wash, course E. Ascend.
	67.00	Top of hill. Descend.
	76.00	Foot of hill. Over rolling country.
	77.40	Cross well traveled road, bears E.
	78.00	As corner to secs. 7, 12, 13 and 18 falls in wash, I set
		witness cor., a granite stone, 6 x 11 x 14 ins., to ins.
		in the ground, marked with two notches on N., and 4
	ez:	notches on S. edges, and W. C. on ME face; dig pits
ľ		18 x 18 x 12 ins., in each sec. 5-1/2 ft. dist; and
		raise a mound of earth 4 ft. base, 3 ft. high, 5-1/2
		ft. west of cor.
	.80.00	Point for cor. of secs. 7, 12, 13 and 18, falls in
		wash, Course E.
		Land, mountainous.
	•	Soil, sandy, 3rd and 4th rate.
	1	Timber, mesquite brush.
		Mountainous land, 80.00 chs.
		July 30th, 1904; I set off 18°-30 % pn the decl. arc;
	*	and at 12 h., 1.m.t., observe the sun on the meridian;
	e.	the resulting lat. is 32°-36'.7
	-c -	
	. T	S. 0°-8' E. on true line between secs. 13 and 18 over
ľ		rough rolling land.
	3.70	Cross old untravelled road on N. side of slope, bears
		N.E.
	9.96	Cross trail, bears W. Ascend.
:	10,30	Top of hill. Descend.
-	26.30	Left bank of main wash, course E.
•	28.05	Right bank of main wash.
	31.00	Wash, 55 lks. wide, course E. Over bushy flat.
	40.00	Set a granite stone 6 x 10 x 14 ins., pins. in the
		ground, for 1/4 cor. between secs. 13 and 18, marked
		, and the state of

1/4 on W.; and raised mound of stones 3 ft. base, 2 ft Chains high west of cor Pits impracticable. Ascend. Top of hill. Descend gradually. 63.30 68.10 Wash, course E. Ascend. Top of hill. Descend steep hill. 74.30 Set a granite stone 6 x 8 x 20 ins., 15 ins., in the ground 00.08 for cor. to secs. 13, 18, 19 and 24, mark with 3 notches on N, and 3 notches on S. edges; and raised a mound of stones, 3 ft. base, 3 ft. high W. of cor. Pits impracticable. Land, mountainous. Soil, sandy and rocky, 3rd ad 4th mate. Timber, mesquite. Mountainous land, 70.00 chs; level, densely wooded, 10.00 chs. July 30th,1904. July 31 st, 1904. At 8 h. 30 m., 1.m.t., I set off 32°-35'7) on the lat. arc 18°-17' non the decl. arc, and determined the meridian with the solar at cor. of secs. 13, 18, 19 and 24. Thence I run. S. 0° 8' E. on true line between secs. 19 and 24. Descend abruptly. 7.50 Wash, 40 lks. wide, course S.E. Ascend. 12.36 Top of hill. Descend abruptly. 18.00 Wash, 60 lks. wide. Course N.E. Ascend. 24.30 Top of hill. Descend. 26.30 Small wash, course N.E. Ascend. **3**5.00 Top of hill. Descend. 36.09 Cross trail, bears W. **3**7.56 Small wash, course E. Descend. 40.00 Set a granite stone, 10 x 10 x 18 ins., 12 ins. in the ground for 1/4 cor. to secs. 13 and 18, marked 1/4 on W.; and raised a mound of stones, 3 ft. base, 3 ft. high, west of cor. Pits impracticable. Ascend. 42.10 Top of hill. Descend.

Wash, 50 lks. wide, course E. Ascend.

6

-	The second second	BOOK 1836
	Chain	s
	45.00	Over gently rolling ground.
	46.80	
	48.70	
	50.30	
	51.50	
	57.00	
	67.00	Top of circular hill. Descend.
	75.80	Wash, 18 lks. wide, course N.E.
	80.00	Set a granite stone 6 x 12 x 18 ins., 12 ins. in the
		ground, for cor. to secs. 25, 30, 31, and 36, marked
		with 5 notches on N. and 1 notch on S. edge, and raised
	• .	a mound of stone, 2 ft. base, 3 ft. high, W. of cor.
		Pits impracticable.
		Land, mountainous.
	- -	Soil, rocky and bushy, 4th rate.
		Timber, mesquite, Palo verde, etc.
		Mountainous land, 80 chs.
	•	July 31st, 1904.
		*
		August 1st, 1904; At 7 h. 30 m., a.m., 1.m.t., I set off
		32°-33-1/2 Mon lat. arc, 18°-3 Mon decl. arc; and de-
		termine a meridian with solar at cor. to secs. 25, 30,
		31, and 36.
	1	Thence I run.
		S. 0 8' E., on true line between secs. 31 and 36. Ascend.
	1.40	Top of hill. Descend.
	6.00	Small wash, course E. Ascend.
	9.60	Top of hill, over level ground. Dense undergrowth.
	17.00	S. edge, descend. Leave dense undergrowth.
	22.00	Wash, course N.E. Ascend.
	26.00	Top of hill, over rolling ground.
	40.00	Set a granite stone 5 x 10 x 15 ins., 10 ins. in the
		ground for $1/4$ cor. to secs. 31 and 36, marked $1/4$ on
		W. face, and raised a mound of stones 3 ft. base, 3 ft.
		high, W. of cor. Pits impracticable.

8

=		North Boundary, T. 10 S. R. 16 E.
	Chains	
	50.00	Descend steep slope.
	60.00	Foot of steep slope, over gentle descent.
	61.30	Begin abrupt descent.
	61.50	Foot of bank, over gentle descent.
	66 30	Wash, 60 lks. wide, course E. Ascend abru
	76.00	Top of hill, over gently rolling ground.
	80 00	The standard cor To 10 C Ro 16 and 15

e, course E. Ascend abruptly.

The standard cor. Ts. 10 S., Rs. 16 and 17 E.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, mesquite brush.

Mountainous land, 73.00 chs. Dense undergrowth 10.00 chs. August 1st, 1904; I set off 18-0'7on the decl. arc, and at 12 h., 1.m.t., observe the sun on the meridian; resulting lat. is 32°-33'.

August 1st, 1904.

August 5th, 1904.

At 7 h. 10 m., a.m., l.m.t., I set $32^{\circ}-38$ γ on the lat. arc., 17° 1 non the decl arc; and determine a true meridian with the solar at a point 2.13 ft. south of dor. Ts. 9 and 10 S., Rs. 16 and 17 E.

I am unable to locate the S.W. cor. of T. 10 S. R. 16 B. in the regular manner, and thence establish the west boundary in the regular way; therefore I run N. 89° 58' W. on a true line, south of sec. 36.

Along side hill sloping S.S.E.

12.00 Ridge, bears E.N.E.

15.50 Small wash, hears E.N.E.

Top of hill, bears E.N.E. 19.00

Wash, course E.N.E. 27.55

Wash, course E.N.E. 35.30

M

N..96 ft. from the secant. 40.00

Set a quartz stone 6 x 9 x 12 ins., 9 ins. in the ground for 1/4 cor. between secs. 1 and 36, marked 1/4 on the N. face. Dig pits 18 x 18 x 12 ins. E.and W. of stone

3-1/2 ft. dist. and raised a mound of earth 3-1/2 ft. Chains base, 1-1/2 ft. high, N. of cor. Ascend. 60.00 Begin descent 64.00 Begin ascent. 67.20 Top of hill, and road to Oracle, S.W. 80.00 Set a quartzite stone 8 x 8 x 12 ins., 8 ins. in the ground for cor. of secs. 1, 2, 35, and 36, marked with 1 notch on B. and 5 notches on W. edges, and raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. Pits impracticable. Land, mountainous. Soil, sandy, 3rd rate. Timber, cacti and mesquite. Mountainous land, 80 chs. August 5th, 1904; I set off 16°-57 non the decl. arc, and at 12 h., 1.m.t., observe the sun on the meridian; the resulting lat. is 32° 38'? on the Seaant N. 89° 59' W., south of sec. 35. 1.65 Wash, course N. Ascend. 3.00 Top of hill. Descend. 7.90 Wash, course N.E. Ascend. 18.50 Descend 30 ft. into a broad wash, with dense undergrowth. 28.13 Center of road and wash, N.E. 35.00 Begin ascent of prominent hill. 40.00 S..75 ft. from the secant, Set a quartzite stone $7 \times 9 \times 14$ ins., 10° ins. in the 015 ground for 1/4 sec. cor. marked 1/4 on the N.; and raise a mound of stones, 2 ft. base, 2 ft.high, N. of Pits impracticable. This cor. is situated on a hill sloping S.E. Continue ascent. 47.00 Top of hill. 53.00 Begin rapid descent into rolling valley. 56.00 Foot of rapid descent. Descend gradually.

_		
	Chain	s
	57.95	Small wash, bears N.
	71.50	
	80.00	
	804	Set a granite stone, 8 x 12 x 18 ins., 12 ins.in the ground,
		for cor. of secs. 2, 3, 34, and 35, marked with 2 notches
		on E. and 4 no tches on W. edges, and raised a mound of
		stone, 3 ft. base, 2 ft. high, W. of cor. Pits im-
		practicable.
		This Cor. is on top of a prominent hill.
		Land, mountainous.
		Soil, 3rd rate.
		Timber, mesquite and cacti.
		Mountainous or densely wooded land, 80.00 chs.
	•	August 5th, 1904.
		An
		August 6th, 1904.
		At 7 h. 5 m., a.m., 1.m.t., I set off 32°38'Non the lat.
		arc, 16°-45'non the decl. arc; and determine a meridian
		with the solar; thence I run N. 89°-59-1/2' W. south
		of sec. 34. and the Second
		Var. 13°-15' E.
	10.00	Descend abruptly.
1	12.60	Enter large broad wash, wooded with dense mesquite, N.E.
	15.05	Middle of main channel, bears N.E.
	15.15	Trail, bears N.N. E. Leave dense mesquite.
	18.15	Ascend through dense cacti, etc.
	21.15	Top of hill. Descend.
1	22.85	Foot of hill,
1	28.20	Wash, 30 lks. wide, bears N.E. Ascend.
	37. 3 0	Top of hill over roughly rolling ground.
	39.00	Top of prominent hill. Descend abruptly.
	10.00	Foot of descent over rolling valley. S. 1.59 from the secant.
	3 A E	
		Set a granite stone 10 x 12 x 14 ins., in the
		ground for 1/4 sec. cor., marked 1/4 on N. face; dig

		BOOK 1836
	Chains	dist., and raise a mound of earth 3-1/2 ft.base, 1-1/2 ft. high, N. of cor.
		This cor. is on a hill sloping gently S.
	54.45	Trail, bears N.
٠	62.20	Top of prominent ridge, on which are extensive ruins of
		Indian habitation. Descend abruptly.
	80.00	S. 1.70 ft. from the secant.
	ele	Set a granite stone 8 x 8 x 12 ins., 8 ins. in the
		ground for cor. of secs. 3,4, 33 and 34 marked with 3
		notches on the E. and 3 notches on the W. edges; from
		which
		A mesquite 10 ins. diam. bears N. 23° E., 85 lks
		dist., marked T. 9 S., R. 16 E. S. 34, B.T.
		No other trees available; dig pits 18 x 18 x 12
		ins. in each section 5-1/2 ft. dist.; and raise
		a mound of earth 4 ft. base, 2 ft. high W. of cor.
	·	Land, mountainous.
		Soil, stony, 3rd rate.
		Timber, mesquite and cacti.
		Mountainous or densely wooded land, 80.00.che,
	N.,	August 6th,1904; I set off 16°-41' non the decl. arc,
		and at 12 h., 1.m.t., observe the sun on the meridian;
		the resulting lat. is 32°-38' η
	***	+
		W. on South boundary of sec. 33.
		Var. 13°-30' E.
	1.50	Wash, N.E. Ascend.
	5.70	Top of hill over rolling country.
	10.78	Wash, N.E.
	17.50	Wash, bears N.E.
	19.20	Pile of boulders on line. Over rolling rise.
	3 7.27	Top of prominent ridge, bears N. Descend abruptly.
4	40.00	Point for 1/4 sec. cor. falls in wash.course M.E.
۱	41.00	S. 1.58 ft. from the secant.
		Set a porphyry stone, 6 x 8 x 14 ins., voins. in the
1	1	•

ground for W.C. to 1/1 sec. cor. between secs. 4 and 33,

-		BOOK 1836
	Chains	marked W. C. 1/4 on N. face; dig pits 18 x 18 x 12 ins
		E. and W. of stone, 3 ft. dist., and raise a mound of
		earth, 3-1/2 ft. base, 1-1/2 ft. high N. of cor.
	41.05	Trail, bears N.
	42.00	Top of hill. Descend.
	55.00	Middle of important wash, 60 lks. wide, bears N.E.
	55.40	S. W. cor. of corral, bears N. 40 lks. dist.
	56.85	Cross brush fence, bears N.E.
	58.42	S.E. cor. of shanty at Peck Ranch, bears N. 15 lks.dist
		Thence over stony side hills sloping S.
	62.85	A well, bears S., 1.60 chs. dist.

63.90 A well and galvanized iron tank, bear S. 4.50 chs.dist.

69.10 Top of hill. Descend.

73.70 Trail, bears N. Ascend.

77.50 Top of hill.

00.08 S. 1.28 ft. from the secant.

> Set a gramite stone 6 x 8 x 14 ins., 10 ins. in the ground for cor. of secs. 4, 5, 32, and 33, marked with 4 notches on the E. and 2 notcheson the W. edges; dig pits $18 \times 18 \times 12$ ins. in each section, 5-1/2 ft. dist.; and raise a mound of stones 4 ft. base, 2 ft. high W. of cor.

Land, mountainous.

Soil, 3rd and 4th rate.

Timber, mesquite and cacti.

Mountainous land, 80 chs.

August 6th, 1904...

August 7th, 1904; At 6 h. 55 m., a.m. 1.m.t., I set off 32-38 Mon the lat. arc 16-29 Mon the decl. arc, and determine a meridian with the solar at the cor. of secs. 4,5,32, and 33.

S. 89-59' W. between secs. 5 and 32.

Var. 13 - 40 E.

Ascend.

2.10 Top of hill, on which a porphyry ledge bears N. Descend.

Chai	ins	
6.0	Wash, course N. Ascend.	
16.4	Top of ridge, bears N.E.	
	Enter growth of live oak and bear grass; thence along	
	steep side hill sloping N.	
21.1	O Trail, bears N.E.	
22.0	0 Wash, course N.N. E. Ascend along roughly rolling side	
	hill sloping S. Dense cacti, bear grass, etc.	
25.8		
33.0	Top of hill. Covered with growth of bear grass, manzanita	,
	and etc. Descend gradually.	
	S. E. cor. of Durand Daily's house, bears N. 8 W.; S.E.	
	cor. of barn, N. 5° W.	
	N. E. cor. of Frank Daily's house, bears S. 78-17' W.	
40.00	S75 des. from the secant.	
·	Set a granite stone 8 x 8 x 16 ins. 11 ins. in the ground	i
	for 1/4 sec. cor., mark 1/4 on N. face; from which	
	A mountain oak 14 ins. diam. bears S. 11 W. 52	
	lks. dist. marked 1/4 S. 5 B.T.	
	A mountain oak 16 ins. diam. bears N. 66° W. 165	
	lks. dist. marked 1/4 S. 32 B.T.	
45.00		
53.90		
55.00		
55:20	The state of the s	
61.00	ons. albert	•
61.15		
63.00	, , , , , , , , , , , , , , , , , , , ,	
68.60	The state of the s	
70.40		
73.00	S S S S S S S S S S S S S S S S S S S	
	To pass a boulder on line 50 ft. high 20 ft. diam., I	
	off set as follows:	
77.00	S. 54 lks.	
	Thence S. 89-59' W to 80.00 chs.	
	Thence N. 54 lks.	
	, I	

Chains

00.08

Point for sec. cor. falls on boulder in place.

Cut across (X)at the exact cor. point for cor. of secs. 5, 6, 31 and 32, marked with 5 grooves on the E. and groove on the W. sides; from which

> An oak 14 ins. diam. bears S. 4° E., 170 lks. dist., marked T. 10 S. R. 16 E. S. 5, B.T.

An oak 12 ins. diam. bears S. 60-1/2 W. 1681ks. dist. marked T.10 S. R. 16 E. S. 6, B.T.

An oak 18 ins. diam. bears N. 26 W. 64 lks.dist. marked T. 9 S. R. 16 E. S. 31, B.T.

An oak 16 ins. diam. bears N. 9 E. 86 lks. dist marked T. 9 S. R. 16 E. S. 32, B.T.

Land, mountainous, and densely wooded.

Soil, 3rd and 4th rates.

Timber, oak, manzanita, cacti and mesquite.

Mountainous land, 80 chs. Densely wooded land,64.00 chs. August 7th, 1904; I set off 16-24 Mon the decl. arc, and at 12 h., 1.m.t., abserve the sun on the meridian the resulting lat. is 32°-38'.

S. 89° 59' W. my the recont on & Bdy of See 36 Var. 13°-30' E.

0.12 Oak 14 ins. diam. on line.

5.72 Wire fence bears N.N.W.Leave Frank Daily's enclosure.

16.85 Ridge, bears W.N.W. Descend.

17.46 Main Oracle road. Bears W.N.W. Ascend.

Top of small ridge, bears N. Over roughly rolling 18.00 country, densely wooded with scrub oak and bear grass.

Center of wash, 50 lks. wide, bears N. Ascend. 23.00

29.00 Top of prominent hill. Descend into Cherry Valley.

34.10 Large boulder on line.

39.32 Wire fence, bears N.E.

North .96 ft. from the secant, 40.00

> Set a granite stone 5 x 12 x 14 ins., 10 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face; and

		BOOK 1836 15
	Chains	raise a mound of stones 2 ft. base, 2 ft. high, N. of
		cor.
		From this cor. an oak 20 ins. diam. bears N. 56° W. 44
		lks. dist., marked 1/4 S. 31 B.T.
		A circular corral bears N. of cor. 13 chs. dist., and
		Durand Daily's adobe ranch house bears N. of cor. 23 chs.
	· · · · · · · · · · · · · · · · · · ·	dist.
	43.00	Enter flat of Cherry Valley.
	44. 85	Wash, 25 lks. wide, bears N.E.
	49.50	Ascend abruptly.
	54.70	Top o f rocky hill.
	55.10	Pile of boulders on line.
	57 .0 0	Small wash, bears S.E. Ascend.
	63.00	Same wash, bears N.E.
	66.50	Top of hill. Thence over rough rocky country.
		The falling of the east boundary of this township is
		1.09 chs. W., the convergency of meridians 6 miles long
		and 6 miles apart, in lat. 32°-32-1/2' N. is 46 lks.;
		therefore at
17	78.45	N. 2.13 ft. from the secant,
-		Set a sandstone 12 x 12 x 24 ins., 18 ins. in the ground
		for cor. of Ts. 9 and 10 S. R. 16 E., on east houn-
		dary of T. 9 S. R. 15 E., marked with 6 notches on
		the N.E. and S. edges; and raise a mound of stones 2 ft.
		base, 2-1/2 ft. high, E. of cor. Pits impracticable.
		From this cor. an oak 20 ins. diam. bears S. 21-45 E.
		3.18 chs. dist., marked T. 10 S., R. 16 E., S. 6, B.T. Land, mountainous, and densely wooded.
		Soil, 3rd and 4th rates.
		Timber, live oak, walnut, etc.
•		Mountainous and wooded land 78.45 chs.
	1 .	tara da la companya d

August 7th, 1904.

Chains

- Survey commenced August 7th,1904, and executed with a Young & Sons Light Mountain Transit No. 7520, with a solar attachment; the horizontal limb having two double verniers placed opposite each other and reading to single minutes of arc ,which is also the least reading of the latitude and declination arcs.
- I begin at the Ts. 9 and 10 S. R. 16 E. on the E boundary of T. 9 S., R. 15 E. in lat 32-38 m long. 110
- I examine the adjustments of the transit and find them to be correct.
- In order to test the solar apparatus by comparing results of observations on the sun made during a.m. and p.m. hours with a true meridian determined by observation on Polaris, I proceed as follows:
- Aug. 7th,1904; At 4 h. 10 m., p.m. l.m.t., I set off 16-22'/on the decl.arc, 32-38'/on the lat. arc, and mark the meridian thus established by a tack driven in a stake set firmly in the ground, about 1 ch. N.of my station.
- At. 10.h. 23.1 m. p.m., l.m.t., I observe Polaris at eastern elongation in accordance with instructions given in the manual and mark the line thus established by a tack driven in a stake set firmly in the ground about 1 ch. N. of instrument.

August 7th, 1904.

Aug. 8th, 1904.

At 7 h. 0 m., a.m., l.m.t., I lay off the azimuth of Polaris, 1-25-1/2' to the W. of stake, set last night, and mark the true meridian thus established by a tack driven in the stake set from solar observation yesterday; and meridian falls .05 ins. E. of the mark determined by solar observation.

At 7h. 10 m., a.m., 1.m.t., I set off 32-38 Mon the lat. arc 16 11-1/2 Mon the decl. arc and determine a meri-

	Chains	dian by the solar and mark a point thereof on the	
	•	stake already set N. of instrument. This mark falls	
		.02 ins. W. of the meridian determined by observation	
		on Polaris.	
		The solar apparatus by p.m. and a.m. observations define	s
	•	the position of meridian as about 13" W. and 5" W. of	the
		meridian established by observation on Polaris. There-	
		fore I conclude that the adjustments of the solar are	
	,	satisfactory.	
		From this corner I run	
)		E., west of sec. 6, T. 10 S. R. 16 E.	
	3.90	Set a granite stone 6 x 8 x 14 ins., 10 ins. in the	to a comment
		ground for corner of Ts. 9 and 10 S. R. 15 E., marke d	
		with 6 notches on N.S. and W. edges; raise a mound of	
	·	stone 2-1/2 ft. base, 3 ft. high W. of cor.,	·
,		An oak 6 ins. diam. bears S. 4-30' W. 195 lks.	
		dist. marked T.10 S. R. 15 E., S. 1, B.T. To orber trees within limits Pits impracticable.	
		Ascend gradually.	
	7.20	Top of hill. Descend.	
	8.70	Small wash, bears W. Ascend.	
	11.80	Top of ridge, bears W. Descend.	
	17.20	Wash, 15 lks. wide, bears N.W.	
	26.50	Ascend.	
	30.70	Pass E. side of prominent pile of boulders on E. slope	
		of hill.	
	32.9 5	Trail, bears N.E.	
	43.90	Set a porphyry stone, 12 x 12, x 14 ins., 9 ins. in the	$\nu_{\scriptscriptstyle c}$
		ground for 1/4 cor. between secs. 1 and 6, marked 1/4	
	•	An 8° oak, bears S.3-15° W.20 lks.dist., marked 1/4 S.B	.Т.
	,	An oak 10 ins. diam. bears S. 26-15' E., 25 lks.	
		dist. marked 1/4 S. 6, B.T.	
		Ascend hill sloping N.W. and thence over rapidly	
		rising, roughly rolling country covered with mountain	. •
		oak. Var. 13 45' E.	
	74.70	Begin abrupt ascent along side of hill sloping W.N.W.	
	79.30	Top and trail N.N.W Descend gradually along hill sloping	g

w.s.w.

	BOOK 1836
Chains	
83.30	Wash 10 lks. wide bears N.W.Ascend hill sloping N.E.
83.90	Set a quartz stone & x 10 x 20 ins., 15 ins. in the
	ground for cor. of secs. 1, 6, 7 and 12; mark with 1
	notch on the N. and 5 notches on the S. edges, from
	which
	An oak 9 ins. diam bears N. 58 W. 39 lks. dist.
	marked T. 10 S. R. 15 E. S. 1, B.T.
	An oak 5 ins. diam, bears N. 21 30' E. 58 lks.
	dist. marked T. 10. S. R. 16 E., S. 6, B.T.
	An oak 6 ins. diam. bears S. 53° E. 61 lks.dist.
	marked T. 10 S. R. 15 E., S. 7, B.T.
	An Oak 5 ins. diam., bears S. 12° W. 13 lks.dist
	marked T. 10 S. R. 15 E., S. 12, B.T.
	Aug. 8th, 1904; I set off 16-7% on the decl. arc, and
	at 12 h. 1.m.t., observe the sun on the meridian,
	the resulting lat. is 32-37' ??
	Land, mountainous and densely wooded.
	Soil, 3rd and 4th rates.
•	Timber, oak.
	Mountainous and densely wooded land, 89.00 chs.
	August 8th, 1904.
	A A A A A A A A A A A A A A A A A A A
	S. between secs. 7 and 12.
	Var. 14-15' E.
	Continue ascent.
7.40	Top of ridge, bears N.N.W. Descend hill, sloping W.S.W.
11.10	Wash, 10 lks. wide, bears N.N.W. Ascend abruptly hill
	sloping N.N.E.
12.90	Top of hill on which a quartz ledge 5 ft. wide bears
	W.N.W., thence over sharply rolling land, covered with
	dense oak.
23.80	Wash, 4 lks. wide, bears N.N.E.
3 8.90	Descend.
40.00	Set a granite stone, 14 x 16 x 24 ins. 18 ins. in the
	ground for 1/4 cor. between secs. 7 and 12, marked 1/4

_	At the second second second second second	
	Chains	on the W.; from which
	× t	An oak 12 ins. diam., bears \$. 9-30' E. 167 lks.
	,	dist. marked 1/4 S. 7, B.T.
		An oak 12 ins. diam., bears S. 4 W. 171 lks. dist
	. *	marked 1/4 S. 12, B.T.
		Continue descent.
		Var. 13°-40' E.
	40.80	Small wash, course W. Ascend.
	42.85	Top of prominent ridge, bears W.S.W., from this point
		an extensive valley with rough canons and ridges ex-
		tends to the S.W. Descend 600 ft.
	45.95	Quartz ledge 7 ft. wide, bears S.W. and N.E.
	63. 25	Wash, 20 1ks. wide, course S.W.
	63.90	Same wash, course S.E.
	66.3 5	Same wash, bears S.W. Ascend 70 ft.
	69.45	Top of ridge, bears W. Descend.
	72.65	Wash, 20 lks. wide, course W. Ascend.
	74.90	Top of ridge, bears W. Dsscend.
	7 5.75	Small wash, course W. Ascend abruptly along hill sloping
	·	N.E.
	80.00	Set a granite stone, 8 x 8 x 18 ins., 12 ins. in the
	· oK	ground for cor. of secs. 7,12,13 and 18, marked with 2
		notches on the N/ and 4 notches on the S. edges; from
	•	which
		A Juniper 26 ins. diam., bears N. 62° E. 178 lks.dist.
		marked T. 10 S. R. 16 E. S. 7, B.T.
		An oak, 8 ins. diam., bears N. 62-30' W., 89 lks. dist.,
		marked t. 10 S., R. 15 E. S. 12, B.T.
		An oak, 8 inc. diam., bears S. 66°-15' W., 69 lks. dist.
		marked T. 10 S. R. 15 E., S. 13, B.T.
		An oak, 8 ins. diam., bears S. 21-45' 48 lks.dist.,
		marked T. 10. S.? R. 16 E. S. 18, B:T.
		Land, extremely mountainous.
		Soil, 4th rate.
		Timber, oak, juniper and manzanita.
		Mountainous and wooded land, 80. chs. August 8th, 1904.
	•	nugusu oun, 1 /o ±.

	Chains	
		August 9th,1904.
		At 8 h. 0 m., a.m., 1.m.t., I set off 32-36' N. on the
		lat. arc, 15°-54'Non the decl. arc, and determine a
	·	meridian with the solar.
		S. betweens secs. 13 and 18.
	·	Var. 13-45' E.
		Continue ascent.
	6.80	Top of hill, thence along side hill sloping W.
	14.90	Small wash, bears W. Ascend abruptly.
	18.80	Top of ride, bears W. Descend.
	21.90	Gold bearing quartz ledge, 5 ft. wide, bears N.W. and S.E.
	23.50	Small wash, bears W. Ascend.
	24.50	Top of ridge, bears W. Descend.
	25.1 0	Wash, bears W. Ascend abruptly.
	28.80	Top of hill slopes W. Descend 70 ft.
-	31.70	Trail, bears N.W.
	3 2.60	Ravine, course W. Ascend.
,	3 4.80	Ledge, course E.&.W.
	40.00	Falls on steep hill.
	42.02	Top of ridge, bears and slopes W.
	• .	Set a porphyry stone 6 x 10 x 12 ins., 8 ins. in the
		ground for W.C.to $1/4$ cor. between secs. 13 and 18,
		marked 1/4 W.C. on W., from which
-	·	An oak, 10 ins. diam., bears N. 73° W. 17 lks.dist. marked $1/4$ S. 13 , B.T.
		An oak, 8 ins. diam., bears S. 30-45' E., 54 lks.
		dist., marked 1/4 S. 18, B.T.
	,	Aug.9th,1904; I set off 15 50 mon the decl.arc and at
		12 h., l.m.t., observe the sun on the meridian; the
		resulting lat. is 32-36'7.
		De scend.
	44.50	Bottom of deep gulley, bears W. Ascend long steep slope,
		400 ft. rise.
,	60,00	Top about 1 ch. west of peak. Descend rapidly, slope
		bearing S.W.
	65.00	Gulley, course S.W. Ascend.

Chains 69.00

74.00

00.08

Spur, bears W.S.W. Descend rapidly.

Gulley, bears W. Ascend.

Set a sandstone, 8 x 12 x 20 ins., 15 ins. in the ground for cor. of secs. 13, 18, 19 and 24, marked with 3 grows au "the Nama S, edges. from which

> An oak, 5 ins. diam., bears N. 35° W., 61 lks.dist marked T. 10 S. R. 15 E., S. 13 B.T.

A Juniper, 8 ins. diam., bears N. 61-30' E.,31 lks. dist., marked T.10 S., R. 16 E. S. 18, B.T.

An oak, 10 ins. diam., bears S.5 - 30' E., 98 lks. dist., marked T. 10 S. R. 16 E., S. 19, B.T.

An oak, 20 ins. diam., bears S. 33-30' W. 115 lks dist., marked T. 10 S. R. 15 E., S. 24, B.T.

Land extremely mountainous.

Soil, 4th rate.

Timber, oak, mesquite, juniper and manzanita. Mountainous land, 80.00 chs.

Var. 14-00' E.

August 9th, 1904.

This . embraces mountainous country, densely wooded in the western part with live oak and mesquite. Dense undergrowth, consisting of mesquite, catsclaw, cacti and some manzanita, covers almost the entire area. Soil generally 3rd and 4th rates and the grazing is fair. There are some settlers but Ido not think the S. half of the Tp. could be practicably surveyed.

Just 9t, 904 Wiesimmer (1) Dengan

Survey commenced Sept.25th, 1904, and executed with a Young & Sons Light Mountain Transit, No. 7520. The horizontal limb being provided with two opposite verniers reading to single minutes of arc.

At 5 p.m., 1.m.t., I set off 0-56-1/2' S. on the decl. arc and 32-38' N. on the lat. arc, and mark the line thus determined by a tack driven in a stake set firmly in the ground about 4.50 chs. N. of my station, at cor. to Ts. 9 and 10 S., R. 15 E. on W. boundary of T. 10 S. R. 16 E.

At 7 h. 16 m., p.m., by my watch, which is 4 m. fast of 1.m.t., I observe Polaris at eastern elongation in accordance with instructions given in the manual and mark the line thus established by a tack driven in a stake about 4.50 chs. H. of my station.

September 25th, 1904.

September 26th,1904; At 6 h. 0', a.m., 1.m.t., I turn off the azimuth of Polaris 1-26' to the west and mark the meridian thus determined by driving a tack in stake set yesterday by means of solar apparatus. The point for the meridian falls .. 2 ins. east of point determined by p.m. solar observation.

At 7 h. 8 m., a.m. 1.m.t., I set off 32 38' N. on the lat. arc 1-10-1/2 S. on the decl arc. and mark the point thus determined by a tack driven in a stake upon which meridian was established yesterday. This point falls .25 ins. E. of meridian. These errors being within the limit of direct instrument reading I conclude that the adjustments are satisfactory

Thence I run

N. on a random line, east of sec.36.

Set temporary 1/4 sec. cor.

Set temp. sec. cor.

Set temp. 1/4 sec. cor.

40.00

00.08

	Chains	
		Spptember 26th,1904; I set off 1° 17' S. on the decl.arc
	·	and at 12 h. 1.m.t. observe the sun on the meridian; the
		resulting lat. is 32° 39' N.
	80.00	Set temp. sec. cor.
		800 met och 1400 mit
	40.00	Set temp. 1/4 sec. cor.
	80.00	Set temp. sec. cor.
		September 26th, 1904.
		Sontombon 27th 1004 At 7 h 0
		September 27th,1904. At 7 h. 0 m. a.m. l.m.t., I set off
		$32^{-40-1/2}$ ' N. on the lat. arc $1-34$ 'S. on the decl.
		arc and determine a true meridian.
		Thence I run North, E. of sec. 13.
	40.00	Set temp. 1/4 sec. cor.
	80.00	Set temp. sec. cor.
	40.00	Set temp. 1/4 sec. cor.
	•	September 27th, 1904; I set off 1 40-1/2' S. on the decl.
		arc and at 12 h. 1.m.t. observe the sun on the meridian;
		the resulting lat. is 32°-43' N.
	80.00	Set temp. sec. cor.
	00.00	500 00mp. 500. 001.
	40.0 0	I and M of this point is autumnely mountained and
ľ	#0.00	Land N. of this point is extremely mountainous and im-
	-	practicable to survey; therefore I discontinue and
		make random line permanent.
		Set a quartz stone 6 x 12 x 20 ins. 15 ins. in the ground
		for 1/4 cor. of sec. 1 marked 1/4 on W. face; raise
		mound of stnes 2 ft. base 2 ft. high W. of cor. Pits
	·	impracticable.
		September 27th, 1904.
		September 28th, 1904; At 7 h. 5 m. a.m., 1.m.t., I set off
		32-43' N. on the lat.arc 1-57' N. on the decl.arc
		ad determine a true meridian; thence I run S. on a true
		line E. of sec. 1.

Chair 2.90	Wash 30 lks. wide, course E.
	Ascend hill sloping N.W.
10.40	
	Descend abruptly.
15.90	
- ,	Ascend abruptly.
20.90	Top. Descend along side hill aloping E.S.E.
40 00	Set a granite stone 6 x 8 x 24 ins. 18 ins. in the ground
oK	
	5 notches on S. edges; raise a mound of stones 2 ft.
	base, 1-1/2 ft. high W. of cor.
	Pits impracticable.
	This cor. is near W. side of old Mammoth Road.
	Land mountainous.
	Soil 3rd and 4th rates.
	No timber.
	Mountainous land 80.00 chs

7 00	S., east of sec. 12.
4.00	Old Mammoth road bears E.N.E.
7.20	Wash 1 ch. wide, bears N.N.E.
35.7 0	Wash 30 lks. wide, bears W.
77.00	Ascend.
37. 00	Top of ascent.
40.00	Set a quartz stone 7 x 12 x 14 ins. 10 ins. in the

51

	ha	i	n	S
7		-		

ground, for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stones 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.

September 28th,1904; I set off 2-3-1/2' S. on the decl. arc, and at 12 h., l.m.t., observe the sun on the meridian; the resulting lat. is 32-41-1/2' N.

Ascend along rocky side hill, sloping W.N.W.

62.00 Top of spur, slopes W. Descend side hill, sloping W.S.W

72.50 Wash, 30 lks. wide, bears N.W. Ascend 150 ft.

> Set a granite stone 10 x 12 x 14 ins., /o ins. in the ground for cor. of secs. 12 and 13, marked with 2 notches on N. and 4 notcheson S. edges; and raise a mound of stones 2ft. base, 2 ft. high, W. of cor. Pits impracticable.

Land, mountainous.

Soil, 4th rate.

No timber.

Mountainous land, 80.00 chs.

S., east of sec. 13.

Over side hills, sloping E.N.E.

Prominent ridge, hears N.N.W. Over side hills, sloping W 16.00

37.00 Same ridge, bears S.W. Descend.

Set a granite stone 6 x 8 x 16 ins., // ins.in the ground 40.00 for 1/4 sec. cor., marked 1/4 on W. face; and raise a mound of stone 2 ft. base, 2 ft. high, W. of cor. Pits impracticable.

Continue descent along hills sloping E.S.E.

71.90 Gulch, bears N.E.

Ridge, bears N.E. 75.**3**0

Wash, 8 lks. wide, course B. 79.40

Set a granite stone 6 x 8 x 18 ins., 12 ins. in the ground 00.08 for cor. of secs. 13 and 24, marked with 3 notches on the N. and S. edges; and raise a mound of stone, 2 ft base, 2 ft. high, W. of cor.; from this cor.

Chains	
31142110	An oak,5 ins.diam.bears S.77~15' W., 1.44 chs
• .	dist., marked T. 9 S., R. 15 E. S. 24, B.T.
	arbo, mark ou i b., it. 10 ii. b. b.; b.;
·	No other trees available.
	Land ,mountainous.

Soil, 4th rate.

No timber.

Mountainous land, 80.00 chs.

September 28th, 1904.

September 29th, 1904.

At 7 h. 0 m., a.m., 1.m.t., I set off 32-40-1/2' N. on the lat.arc, 2-20'S. on the decl.arc, and determine a true meridian at cor. of secs. 13 and 24.

Thence I run

S., east of sec. 24. Over roughly rolling ground.

15.40 Wash, 10 lks. wide, bears E.

23.70 Porphyry ledge, bears E.&. W.

26.40 Wash, 5 lks. wide, course A.

27.90 Wash, 5 lks wide, course E.

Top of small ridge, bears N.E. 32.40

Point forl /4 sec. cor. falls in wash. Journey (2)

Set a granite stone 6 x 8 x 14 ins. , oins. in the ground 40.90 for W.C. to 1/4 sec. cor., marked W.C. 1/4 on W.face; and raise a mound of stone, 2 ft.base, 2 ft.high, W. of cor.

43.92 Porphyry ledge, bears N.E. and S.W.

46.85 Ridge, bears N.E.

56.50 Wash, 5 lks. wide, bears N.N.W.

69.60 Trail, bears E.

Set a granite stone 6 x 8 x 18 ins. 12 ins. in the 80.00 ground, for cor. of secs. 24 and 25, marked with 4 notches on the N. and 2 notches on the S. edges; and raise a mound of stones 2 ft.base, 2 ft. high, W. of cor; from this cor..

> An oak, 4 ins. diam., bears S. 16-30' W. 1.12 chs. dist., marked T.9 S., R.15 E. S. 25, B.T.

	Chains	
	Onains	No more trees available.
		Land, mountainous.
		Soil, 3rd rate.
	,	No timber; undergrowth of bear grass and mesquite.
		Mountainous land, 79.00 chs.
		S., east of sec. 25. Over rolling ground.
	5.90	Porphyry ledge, bears E. and W.
	7.40	Porphyry ledge, bears N.E. and S.W. Along side hill sloping E.
	2 5.40	Wash, 15 lks. wide, bears N.H. Ascend.
	3 2.40	Porphyry ledge, bears N.E.
	40.00	Set a granite stone 6 x 8 x 16 ins., ll ins. in the
ं ्र ` ;;		ground, for 1/4 sec. cor., marked 1/4 on W. face; from
		which,
		An oak,5 ins.diam., bears S.57°-15' W., 1.26 chs.
		dist., marked 1/4 S. 25, B.T.
		September 29th, 1904; I set off 2-27'S. on the decl.
		arc, and at 12 h., 1.m.t. observe the sun on the meridian;
		the resulting lat. As 32-39' N.
	54.90	Wash, 20 lks. wide, course N.E.
	56.90	Prominent pile of boulders on line.
	59.85	Wash, 10 1ks. wide, bears N.W.
	65.70	Wash, 15 lks. wide, bears N.E. Ascend hill sloping N.W.
	68.60	Spur, slopes W. Descend hill sloping S.W.
	70.00	Wash, 10 lks. wide, bears N.W. Ascend gradually.
.	77.45	Road from Oracle to Mammoth, bears N.E.
	80.00	Set a granite stone 5 x 12 x 14 ins., ioins. in the ground
	. (* *	for cor. of secs. 25 and 36, marked with 5 notches on
		the N. and 1 notch on the S' edges; dig pits $24 \times 24 \times 12$
		ins. in secs. 25 and 26, 6 ft. dist.; and raise a mound
		of earth 4 ft. base, 2 ft.high, N. of cor.
, !	· · · · · · · · · · · · · · · · · · ·	Land, mountainous.
		Soil, 3rd rate.
		Timber, scattered mesquite.
		Mountainous land, 80.00 chs.

	Chains	S., east of sec. 36.
	7.40	Wash, 20 lks. wide, hears E.
	10.30	Enter wash, 15 lks. wide, bears N.N.E.
	12.40	Leave wash, bears N.
	22.90	Top of hill. Descend.
-	26.20	Begin ascent.
	31.90	Top of hill, slopes N.E.
	33.7 0	Quartz ledge, hears N.W.
	3 5.00	Road to Oracle, bears W.
	3 8.27	Quartz ledge, course N.W. and S.E.
	40.00	Set a porphyritic-granite stone, 8 x 8 x 14 ins., roins.
		in the ground for 1/4 sec. cor., marked 1/4 on W. face;
	•	from which
		An oak,5 ins.diam. bears S.10°- 30' W.,102 lks.
		dist. marked 1/4 8. 36, B.T.
	40.90	The main chimney on the Estill a house at Oracle, bears N.
		75°- 23' W.
	41.70	Ridge bears E.and W. Descend.
	43.50	Foot of descent. Begin ascent.
ŀ	44.80	Ridge, bears S.E. Descend.
	45.90	Foot of descent, over rolling land.
	51.90	Wash, 20 lks. wide, bears N.R.
	59.90	Wash, 30 lks. wide, bears M.E. Ascend through dense bear-
		grass and scrub oak.
	75.20	Top of hill. Descend gradually over hill sloping S.W.
+	76.10	Cor. of Ts. 9 and 10 S. R. 16 E., previously established
		by me.
	80.00	Cor. of Ts. 9 and 10 S., R. 15 E. on W. bdy. of T.10 S.,
		R. 16 E. previously exampled by me
-	•	Land, mountainous.
		Soil, 3rd and 4th rate.
		Under growth, scrub oak, bear grass and mesquite.
		Mountainous land, 80.00 chs.
		Timber and under growth 20.00 chs.
		September 29th,1904.

	- 1000	
Chains	October 15th,1904.	
	from the cor. of Tps. 9 and 10 S., R. 15 E. on the W. bdy. of T. 10 S., R. 16 E., I run on a random line bet. secs.	
40.00	l and 36.	
40.00	Set temp. 1/4 cor. bet. secs. 1-36.	
80.00	Set temp. cor. of secs. 1-2-35-36.	
	October 15th,1904; At 8 h. 40 m., a.m., l.m.t., I set off	
	8° 30'S. on the decl. arc, 32° 38' N.on the lat. arc,	
	and determine a meridian with the solar at the temp.	
	cor. of secs. 1-2-35-36.	
	W. on a random line brt. secs. 2-35.	
	Var. 13° 30' E.	
40.00	Set temp. 1/4 cer. bet. secs. 2-35.	ı
80.00	Set temp. cor. of secs. 2-3-34-35.	ı
	u	
	W on a muslem lime last area of 7.4	
40.00	W. on a random line bet. secs. 3-34	*******
40.00	Set temp. 1/4 cor. bet. secs. 3-34.	
80.00	Set temp. cor. of secs. 3-4-33-34.	
	October 15th, 1904; I set off 8 33-1/2' S. on the decl.	
	arc, and at 12 h. observe the sun on the meridian at the	•
	temp:cor. of secs. 3-4-33-34; the resulting lat.is	
	32° 37-1/2' N.	
	W. on a random line bet. secs. 4-33.	
40.00	Set temp. 1/4 cor. bet. secs. 4-33.	
80.00	Not temp. cor. of secs. 4-5-32-33.	
	W an a mandow line had many 5 79	
40.00	W. on a random line bet. secs. 5-32.	
	Set temp. 1/4 cor. bet. secs. 5-32.	
80.00	Set temp. cor. of secs. 5-6-31-32.	
	W on a mandom line hat goes 6-71	
40.00	W. on a random line bet. secs. 6-31.	
	Set temp. 1/4 cor. bet. secs. 6-31.	
80.00	Diligent search reveals no traces of a previously es-	

Chains

tablished cor. bet. Tps. 9-10 S., Rs. 14-15 E. Therefore I proceed to re-survey such lines in T. 10 S., R. 14 E. as may be necessary to properly locate and identify said cor.

October 15th, 1904.

October 21st, 1904.

From the temp. cor. of secs. 5-6-31-32, Tps. 9-10 S., R. 15 E., I run W. on a random line bet. secs. 6-31.

11.70

Cor. of Tps. 9-10 S., R. 14-E., bears S. 8.48 chs.dist.

Set a granite stone 10 x 11 x 12 ins. 8 ins. in the ground for closing cor. of Tps. 9-10 S., R. 15 E., marked C.C. on E., with 6 grooves on N.E. and S. edges; raise a mound of stones, 3 ft. base, 3 ft. high E. of cor. Pits impracticable.

I destroy temp. cor. established by me W. of this cor. and run E. on a true line bet.secs. 6-31.

. Var. 13° 20' E.

Over rolling land.

11.70

Set a granite stone 10 x 10 x 15 ins. 10 ins. in the ground for cor. of secs. 5-6-31-32, marked with one notch on the W. and 5 notches on E. edges; from which

A catsclaw 11 ins. diam. bears N. 13° 45' E. 159 lks. dist, marked T. 9 S., R. 15 E. S. 32, B.T.

A catsclaw, 5 ins. diam.bears N. 71° 15' W. 238

And raise a mound of stones 2 ft. base 2 ft. high w of cor.

Land roughly rolling; soil, 2 nd and 3 rd rates; timber mesquite and catsclaw; good grazing.

Mountainous land, 11.70 chs.

October 21st, 1904; At 7 h. 40 m. a.m. 1.m.t., I set off 10° 39-1/2' S. on the decl. arc, 32° 37-1/2' N. on the lat. arc. ad observe the sun on the meridian at the cor. of secs. 5-6-31-32; thence I run E. on a true line

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		BOOK 1836
	Chains	het. secs. 5-32. Ascend.
	21.00	Top of prominent hill. Descend.
•	3 8.00	Road from Tucson to Oracle, bears E.N.E.
16)	40.00	Set a granite stone 7 x 10 x 22 ins. 16 ins. in the
		ground forl/4 cor. bet. secs. 5-32, marked 1/4 on N.
		face; dig pits, 18 x 18 x 12 ins. E. & W. of stone, 3
		ft. dist. and raise a mound of earth 3 ft.base, 2 ft.
		high N. of cor. Ascend
	45.00	Trail bears N S. Over rolling land, sloping S. to a
		wash about 6 chs. dist. running W. by S.
	74 40	Quartz ledge 8 ft. wide, bears N.W.& S.E.
•	80.00	Set a granite stone 7 x 7 x 26 ins. 20 ins. in the
•		ground for cor. of secs. 4-5-32-33, marked with 4 notches
	•	on the E. and 2 notches on the W. edges; dig pits 18
		x 18 x 12 ins. in each sec. 5-1/2 ft. dist. and raise
		a mound of earth 4 ft. base 2 ft. high is. of cor.
•		Land sharply rolling; soil 3rd rate; scattered under-
		growth of cacti and mesquite.
	,	Mountainous land, 80.00 chs.
	·	
		E. on a true line bet. secs. 4-33.
	1 6.50	Wash, 10 lks. wide, bears S.W.
	40.00	Set a granite stone 12 x 12 x 16 ins. 1) ins. in the
		ground for 1/4 cor. bet. secs. 4-33, marked 1/4 on N.
		face; raise a mound of stones 2 ft. base 2 ft.high N.
		of cor. Pits impracticable.
	52. 50	Road to Oracle bears E. by S.
	57.00	Same, bears E. by N.
	59 9 5	Same, bears E.S.E.
	73 60	Small wash, bears W by N.
	78 00	Road to Oracle bears E.N.E.
	80 00	Set a granite stone 9 x 9 x 13 ins. 8 ins. in the ground
		for cor.of secs. 3-4-33-34, marked with three notehes
		on the E. & W. edges; raise a mound of stones 2 ft.base
		2 ft.high w. of cor. Pits impracticable.
		Land sharply rolling; soil 3 rd rate; scattered under-
		growth of mesquite and cacti.

	BOOK 1836
Chains	Mountainous land 80.00 chs.
	October 21st, 1904: I set off 10° 44' S. on the decl.arc
	and at 12 h., observe the sun on the meridian at the cor. of secs. 3-4-33-34; the resulting lat. is 32° 37-1/2' N.
7.30	Thence I run, E. on a true line bet. secs. 3-34. Trail bears E.N.E.
21.00	Small wash, bears S.
40.00	Set a granite stone 6 x 13 x 14 ins. /oins. in the ground
	for 1/4 cor. bet. secs. 3-34, marked 1/4 on the N. face;
·	raise a mound of stones 2-1/2 ft.base, 2-1/2 ft.high N.
	of cor.
	An oak, 15 ins. diam, bears S. 1° E. 131 lks. dist.,
	marked 1/4 S. 3, B.T.
	An oak, 10 ins. diam. bears N. 71° 15' W. 44 lks.
	dist., marked 1/4 S. 34 B.T.
45.20	Wash, 30 lks. wide, containing many large granite boulders
	bears W.S.W. Ascend small irregular wash, general west-
	erly bearing.
80.00	Set a granite stone 12 x 12 x 20 ins. 15 ins. in the
	ground for cor. of secs. 2-3-34-35, marked with 2 notches
·	on the E. and 4 notches on the W. edges; raise a mound
	of stones 2 ft. base 2 ft. high W. of cor.
	An oak, 7 ins. diam. bears N. 32° 30° E. 107 lks.
	dist. marked T. 9 S., R. 15 E. S. 35 B.T.
	An oak, 14 ins. diam. bears N. 76° 15' W. 135 lks.
	dist. marked T. 9 S., R. 15 E. S. 34, B.T.
*	An oak, 10 ins. diam. hears S. 28' 15' W. 133 lks.
	dist.marked T. 10 S. R. 15 E. S. 3, B.T. So other trees within limits Land, sharply rolling; soil 3rd and 4 th rates; timber,
	mountain oak and mesquite.
	Mountainous land 80.00 chs.
	E. on a true line bet. secs. 2-35 over sharply rolling

land.

- 		
Chains 10.00	Set a granite stone 6 x 6 x 12 ins. 8 ins. in the ground	
\$	for 1/4 cor. bet. secs. 2-35, marked 1/4 on the N.face;	
	from which,	
	An oak, 12 ins. diam.bears S. 19° 36' E. 76 lks.	
·	dist.marked 1/4 S. 2 B.T.	
	An oak, 6 ins. diam. bears N. 37° 15' W. 92 1ks.	
	dist. marked 1/4 S. 35 B.T.	
71 50	Wash, 5 lks. wide, bears N.	
80.00	Set a granite stone 12 x 12 x 20 ins. 15 ins. in the	
	ground for cor. of secs. 1-2-35-36, marked with one notch	
	on the E. and 5 notches on the W. edges; raise a mound	
	of stones 2-1/2 ft.base,2-1/2 ft. high W. of cor.	
	An oak 8 ins. diam.bears N. 51° 30' E. 196 lks.	
	dist.marked T.9 S., R 15 E. S. 36, B.T. Joseph trees and 4th fates; timber	
	mountain oak and undergrowth of manzanita and bear	
	grass.	
	Mountainous land 80.00 chs.	
	E. on a true line bety good 1 70 or an all 1	
	E. on a true line bet. secs. 1-36 over sharply rolling land.	
17 55		·
	of oak and manzahita.	
40.00	Set a granite stone 7 x 14 x 16 ins. 11 ins. in the	
	ground for 1/4 cor. bet. secs. 1-36, marked 1/4 on N.	
	face; from which	
	An oak, 10 ins. diam, bears S. 23° 15' E. 87 lks.	
	dist. marked 1/4 S. 1, B.T.	
	An oak, 4 ins.diam, bears N. 17° 15' W. 46 lks.	
	dist.marked 1/4 S. 36 B.T.	
48.00	Wash 30 lks. wide, with trail bears N.	
52 70	Ridge bears N.	
57 70	Trail bears N.	
57 90 62 50 69 05 69 40 80 00	Prominent wash 20 lks. wide, bears N. Ascend abruptly. Ridge bears N. Trail bears N. Trail bears N. Wash 12 lks.wide, bears N. The cor.of Tps.9 & 10 S.R.15 E. on W.bdy. T.10 S. R.16 E. Land sharply rolling; soil 3-122 rate; oak, manzanita and bear grass. Dense undergrowth 62.45 chs. Mts. land 80.00 chs. October 21st. 1904.	الرمو
	THE WALL OF THE PARTY OF THE PA	

Chains

Survey commenced October 19th,1904, and executed with a Young & Sons Light Mountain Transit, No. 7520; with a Smith solar attachment, the horizontal limb having two double verniers placed opposite each other and reading to single minutes of arc.

The instrument was examined, tested on the true meridian at Phoenix, Arizona, found correct and approved by the Surveyor General of Arizona June 25th, 1904.

- I begin at the cor. of Tps. 9 and 10 S., R. 14 E. on the W.-bdy. of T. 10 S. R. 15 E. in lat. 32° 37-1/2' N. long. 110° 50-1/2' W.
- I examine a bubble, collimation, and standard ajustment of the transit and find them to be correct. In order to test the solar apparatus by comparing the results of observations on the sun made during a.m. and p.m. hours, with a true meridian, determined by observation on polaris, I proceed as follows:
- October 19th,1904; At 3 h. 20 m.p.m.,1.m.t. I set off 10° 4' S. on the decl. arc, 32° 37-1/2' N. on the lat. arc, and mark a meridian established by solar observations by a tack driven in a stake set firmly in the ground about 2 chs. N. of my station.

October 19th, 1904.

- October 20th, 1904; At 5 h. 24.7 m. a.m.l.m.t., I observe polaris at western elongation in accordance with instructions given in the Manual and mark the line thus established by a tack driven in a stake, set firmly in the ground, about 2 chs. N. of my instrument.
- At 7 h. 15 m. a.m. I lay off the azimuth of polaris

 1° 25-1/2' to the E. of stake set last night and mark
 themeridian thus established by a tack driven in the
 stake already set; the meridian falls .13 ins. E. of
 the mark determined by the solar observation.
- At 7 h. 40 m. a. m. 1.m.t., I set off 10° 17-1/2' S. on the decl.arc, 32° 37-1/2' N. on the lat.arc, and determine a meridian with the solar marking the same by tack driver in the state checky set.

-		BOOK 1836 シ
	Chains	falls .10 ins. E. of the meridian determined by obser-
		vation on polaris.
		The difference in direction of the meridian as estab-
		lished by solar and polaris observations is less than
		the allowable error of observation; therefore I con-
		clude that the adjustments are satisfactory.
		Var. 13° 15' E.
		N. on a true line E. of sec. 36. Ascend.
	2.10	Ridge bears E.W. Over rolling land.
	18.00	Small wash, bears W.N.W.
	21.40	Spur, bears W.N.W.
	26.60	Wash, 60 lks. wide, bears W.
	36.00	Ridge bears W.
	40.00	Set a granite stone 5 x 6 x 16 ins. // ins. in the ground
		for 1/4 cor.of secs.36, marked 1/4 on W.face; dig pits 18
		x 18 x 12 ins. N. & S. of stone 3 ft.dist.and raise a
,		moundof earth, 1-1/2 ft. high W. of cor.
	59.00	Circular wire corral 125 ft.in diam. bears E. 150 lks.dist.
	61.00	Tent residence, bears E. 2 chs. dist.
	63.70	Wash 10 1ks. wide, bears W.
	65.00	Spur bears W.
	69.00	Wash, 20 lks.wide, bears W.by S.
	80.00	Set a quartz stone 12 x 12 x 15 ins. 10 ins. in the ground
	0.5	for cor.of secs.25-36, marked with 5 notches on the N.and
		one notch on the S. edges; dig pits, 18 xnl8 x 12 ins.
		5-1/2 ft.dist.in secs.25-36; and raise a mound of earth
		3 ft.base,1-1/2 ft.high W. of cor.
		Land sharply rolling; soil 2nd and 3rd rate: some cacti
	,	andmesquite; fair grazing.
		Mountainous land 80.00 chs.
	.*	N. on a true line E. of secs. 25 over rolling land.
		Road bears N.E.
	21.50	Wash 40 lks.wide, hears W.
	40.00	Set a quartz stone 8 x 9 x 13 ins. 8 ins. in the ground
	13	for 1/4 cor. of sec.25, marked 1/4 on W.face; dig pits
-		

18 x 18 x 12 ins. N. & S. Of stone 3 ft.dist, and raise

		BOOK 1836 32 62
	Chains	a mound of earth 3 ft.base 2 ft.high W.of cor.
	47.50	Road bears E.N.E to Bayless'Ranch.
	50.30	Small wash, bears W.
	54.00	Ridge bears W.
	5 8.50	Small wash, bears N.W.
	74.00	Small wash, bears W.by S.
	80.00 S	Set a granite stone 12 by 12 by 14 ins. to ins. in the ground
	e K	for cor.of secs.24-25, marked with 4 notches on the N.and
		2 notches on the S.edges; dig pits 18 x 18 x 12 ins.in
	2	secs.24-25,5-1/2 ft.dist.and raise a mound of earth 3 ft
		base, 1-1/2 ft.high W.of cor.
		Land rolling, soil 2nd and 3rd rates: some cacti and mes-
		quite. Rolling Land 80.00 chs.
		October 20th, 1904; I set off 10° 23' S. on the decl.arc
		and at 12 h. observe the sun on the meridian at the cor.
		of secs.24-25; the resulting lat.is 32° 39-1/2' N.
		N.on a true line E.of sec. 24, over rolling land.
	10.10	Road bears E.
	25.00	Wash, 30 lks.wide, bears N.W. Thence through undergrowth of cacti.
	40.00	Set a granite stone 6 x 8 x 13 ins.8 ins.in the ground for
	612-	1/4 cor.of sec.24, marked 1/4 on W.face; dig pits 18 x 18
		x 12 ins.N.& S.of stone 3 ft.dist.and raise a mound of
		earth 3 ft.base,2 ft.high W. of cor.
	30.00	Set a granite stone 6 x 13 x 16 ins.11 ins.in ground for
	\$ \lambda_{\infty}	cor.of secs.13-24, marked with 3 notches on N.& S.edges
		dig pits 18 x 18 x 12 ins.in secs.13-24,5-1/2 ft.dist.
		and raise a mound of earth 3 ft.hase, 1-1/2 ft.high W.of cor.
		Land, rolling: soil 3 rd rate: undergrowth of cacti.
İ		Rolling land 80.00 chs.
		Dense undergrowth 55.00 chs.
		October 20th, 1904.
		Pile mendium Ab Ab and A
		R. 15 g. Land broken and mountainous in the eastern portion

Fine grazing to the western and northern half of T.9 S R. 15 E. Land broken and mountainous in the eastern portion but level in the western part. Tp. should be subdivided. T. 9 S., R. 14 E. contains level land and offers excellent grazing. This Tp. should be subdivided.

Dot 20, 160A.

Wining Burander

I do not consider it compulsory to re-establish the corners for the west three miles of the north boundary of T. 10 S. R. 17 E., and preferred to take the low rate rather than go to the expense and consume the time necessary to effect the re-establishment.

the time necessary to effect the re-establishment. The same explanation holds for corner to Secs. 11, 12, 13 and 14, and the 1/4 corner between Secs. 11 and 12 in T. 10 S. R. 14 E.

12 in T. 10 S. R. 14 E.

My reasons for not establishing the north boundary of T? 10 S. R. 15 E. by continuing line between Tps. 9 and 10 S. R. 16 E. due west to an intersection with the west boundary of the township, were as follows: The Manual contemplates no such procedure, and in fact, implies that no discrepancy in measurement beyond the prescribed limits of three chains shall be carried over from one township or range into another. Furthermore, my especial instructions for this particular contingency in running range line between Rs. 16 and 17 E. ordered me specifically to close upon the SW corner of T. 9 S. R.

17 E., and to throw any fractional or excess measurement into the last half mile to the north, thus explaining the excess beyond limits in north tier of sections in T. 10 S. R. 16 E.

Wm. B. Alexander.

(Extract from letter of Wm. B. Alexander, dated Mar. 13, 1905.)

LIST OF NAMES.

BOOK 1836

IT-:4.1 Q	mployed by William ()	
	ates Deputy Surveyor, to assist in ru	
marking the lines and corners described in the	foregoing field notes of the survey of some 1	of Ely T105, P164
N by T105 116 E; No miles of the said the Some of the Fly of T95 showing the respective capacities in which they	ElyTIOSPISE; ElyT95 SRIGE. racted:	PIEE, NHY TIOSPIS
	Frank C. Kelin	
	Edgar E. ater	
	Emmet T. Ford	Moundman
	tromp L. Durlin	A come and
	,	
	L. Duttlar	$\dots, Axman.$
FINAL CAT		$\dots, Flagman.$
We hereby certify that we assisted V	H OF ASSISTANTS.	a
		•
1		reyor, in surveying all
nose parts or portions of the East bounds	my TIOS, PIGE; worth L	runday TIOSAILE
north three miles of the East &	ometany of TIOSPISE;	East boundary
north three miles of the East bounds 195 PISE; unth boundary Tios	PISE and the south	there miles
of the cast boundary of	T95, P14 E.	of the Lies a.
et River base and meridian, Territ	my of angma	which are represented
n the foregoing field notes as having been surve	yed by him and under his direction:	and that said survey
ias been in all respects, to the best of our known	wledge and belief, well and faithfu	lly surveyed and the
former monuments established, according to the	e instructions furnished by the Ur	ited States Surveyor
deneral for my ma		
	Frank C. Kel	Zon, Chainman.
	Edgar & allen	
	7	Chain
	Enne F. Fr	Chainman.
	Elmes 4 4	Chainman. Moundman.
	Elinne I 4 4 fr	Chainman. Moundman.
	Elinne I 4 4 fr	Chainman. Moundman.
	Frank Larlin	Chainman. Moundman.
	Jusus Sopus Frank & Lurlin	, Chainman. , Moundman. , Moundman. , Axman.
	Jusus Sopus Frank & Lurlin	, Chainman. , Moundman. , Moundman. , Axman.
	Elinne I H. Fr. Jerns Sopres Frank & Lurlin Spectlan	, Chainman. , Moundman. , Moundman. , Axman.
abscribed and sworn to before me this 30	Justes Links Sofons Frank & Lurlin	, Chainman. , Moundman. , Moundman. , Axman. , Axman. , Flagman.
abscribed and sworn to before me this	Justes Links Sofons Frank & Lurlin	, Chainman. , Moundman. , Moundman. , Axman. , Axman. , Flagman.
abscribed and sworn to before me this 30	Justes Links Sofons Frank & Lurlin	, Chainman. , Moundman. , Moundman. , Axman.

under his contract NO. //, dated Jame 1/3 th 1/904 , 189 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

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.