Pick My 12 min

1912

BOOK 1912

# FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION		
TOWNSHIP 20 SOUT	н,	
RANGE 18 EAST		
()		
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<u> </u>		×
	•	
		• .
Of the GILA AND SALT RIVER	Meridian,	
ARIZOH	A	
AS SURVEYE	D BY	
Casimiro R. Barthelemy	, United States Depu	ty Surveyor,
Under his Contract No 139	April 14,	, 190 6
Survey commenced	June ♣,	
Survey completed	June 28,	, 1906

### NAMES AND DUTIES OF ASSISTANTS.

BOOK 1912		
BOO.	Arthur Poque, Chainman,	•
·	Harry Mallory Chainman	
	Harry Mallory, Chainman Louis Renaud, Moundman	/
	L. C. Millar, arman,	,
	H. 13. Milliken, Flagman	
		•
		•
· · · · · · · · · · · · · · · · · · ·		•
		•
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		. ****
6—151		-

### BOOK 1912

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Meanders Page

### PRELIMINARY OATHS OF ASSISTANTS.

2610	PRELIMINARY C	OATHS OF ASSISTANTS.
A	WE, Athu Poque	·
BOO	WE Arthur Toque	and Harry Mallory
·	do solemnly swear that we will well and faithfu	lly execute the duties of chainmen; that we will level the the tally pins, either by sticking or dropping the same; that
		objects, and the true lengths of all lines that we assist in
		d in accordance with instructions given us, in the survey of
	Subdivisions of T. 20.	· · · · · · · · · · · · · · · · · · ·
	The work of the second	o # D
		arthur ogne, Chainman.
•		Arthur logue, Chainman. Harry Mallory Chainman.
	. 1	a ( ) avoy v / a x a v · g c nainman.
	Subscribed and sworn to before me this	)
	day of <u>June</u> , 190 6	
		H. G. Power
	SEAL (	d <b>otu</b> na filodinasti
	•	$H_{S}(0,0) = \frac{1}{2} \frac{1}{2}$
	JWE Louis Renaud	and
	do solemnly swear that we will well and trul-	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
	Suldivision of TIDAS	RIGE
	y www.cons vy v. av v.	R18E. Louis Renaud, Moundman.
	<b>V</b>	Louis Renaud, Moundman.
		, Moundman.
	Subscribed and sworn to before me this	)
	day of June, 1906	_
		V. G. Power
	SEAL	Action of the state of the stat
	waaraa	$M_{ij} \in \mathbb{R}^{n \times n}$
	0) W. S. C. Millar	and
		erform the duties of axmen in the establishment of corners
a , 💉		n us, to the best of our skill and ability, in the survey of
		2.188,
•	en e	Cle. Millar , Axman.
•		
•		, Axman.
	Subscribed and sworn to before me this.	<del></del> )
	day of June, 1906	
		H. G. Power
	SEAL()	Older Andrews and State of the
	// 2 24 22 11	eng en er en
A	1, AB Milliken	do solemnly swear that I will well and truly
	•	ructions given me, to the best of my skill and ability, in the
	survey of Suldivision of 720	S. P. 186
	sarvey or server seems of the server seems of	OLB Wining
		I'M // Mllkm, Flagman.
	an in the second	
	Subscribed and sworn to before me this	{
	day of June, 190 6	V. G. Power
	C SEENERS	11. J. Vawer
•	(*) SEAL (例 使表示图形器	Colored States States
***	6151	

BOOK 1912

N. of the cor.

Survey commenced June 10, 1906, and executed with a W. & L. E. Gurley light mountain transit No. 1000 B. 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 verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Phoenix, found correct and was approved by the surveyor general for Arizona on June 5, 1906.

I examined the adjustments 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 corner of sections 1,2,35 and 36, on the N. bdy. of T. 20 S., R. 18 E., lat. 31° 43'/N. on the lat. arc. and 23° 1%' N. on the decl. arc, and at 5 h., p.m., l.m.t. determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs.

June 14, 1906.

June 15: At 1 h., 58 m., a.m., I observe Polaris at eastern elongation in accordance with the Mamual of Instruction and mark a point in the line thus determined on a peg driven in the ground 5 chs. N. of my station.
At 6 h., a.m., l.m.t., I lay off the azimuth of Polaris,
lo 24'/to the west, and mark the meridian thus determined by cutting a small groove in the stone set June 14, on which the meridian falls 3 in & of the mark determined by the solar. At 7 h., a.m.,/l.m.t.; I set off 519 43' W. on the lat. arc, and 23° 18' Won the decl. arc, and mark a point in the meridian determined with the solar by a cross in the stone already set 5 chs. N. of my station; this mark falls 2 ins & of the meridian established by the Polaris observations. The solar apparatus by the ammanded p.m. observations defines positions for meridians respectively about 16" W. and 10" E. of the meridian established by Polaris observations. Therefore I conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian at 7 h., a.m. is N. 12º 45'E.

There being a number of parties outside of the two settlers who have applied for the survey of this town-ship, who have already taken up land under forest scrip, and who are going to enter some more land in the same manner, I proceed to subdivide the whole of this town-ship, therefore, I begin at cor. of secs. 1, 2, 35 and 36 of this township.

```
Subdivision of T. 20 S., R. 18 E.
 chains
              Thence I run
S. 00 1 E, bet. secs. 1 and 2.
              Over gradually descending ground, through scattering
              yucca.
              Draw 80 lks. wide course S.W.W.
   9.60
              Old road bears E.N.E. and W.S.W.
  24.30
              Sama draw 80 Mks. wide course S.S.E.
  26.50
  27.80
              Old road bears E, and W.
             Set a limestone 18 X 10 X 6 ins., 12 ins. in the ground, for t sec. cor. marked t on W. face; dis pits, 18 X 18 X 12 ins., W. and W. of stone, 3 ft. dist.; and raise a mound of earth, 31 ft. base, 11 ft. high, W. of cor. Set a porphyr ite stone 16 X 12 X 10 ins., 11 ins. in ground, for cor. of secs. 1, 2, 11 and 12, marked with 1 notch on the W. and W. on the W. edge; and raised a
  40.00
  80.00
             mound of stone, 2 ft. base, 'le ft. high, W. of Cor.Pits imprac
             Land, gently rolling,
              Soil, gravelly loam and stone; 2nd, 3rd and 4th rate.
             No timber; undergrowth, yucca.
             East on a random line bet. secs. 1 and 12. Intersect E. bdy. of Tp. 6'lks. W. of cor. of secs. 1, 6, 7 and 12, as heretofore described.
  40.00
 80.04
             Thence I run
             S. 890 57 W. on true line bet. secs. 1 and 12.
             Over gently rolling land.
             Draw 40 lks. wide course S.W.
 19.00
 26.00
             Draw 2.00 chs. wide course S.W.
            Set a porphyr ite stone 18 X 6 X 6 ins., 12 ins. in the ground, for ‡ sec. cor., marked ‡ on N. face; dig pits
 40.02
            18 X 18 X 12 ins., E. and W. of stone, 3 ft. dist.; and raised a mound of earth, 3 ft. base, 1 ft. high,
             N. of cor.
            Draw 160 lks. wide course S.S.E. Land, gently rolling.
Draw 2.00 chs. wide course S. Soil, sandy and gravelly loam, 24,34
The cor. of secs. 1, 2, 11 and 12. No timber, undergrowth, yucca.
 51.00
 72.00
 80.04
            South 00 1' E., bet. sees 11 and 12. Over gradually descending ground.
  7.50
            Enter draw course E.
14.00 Leave draw, begin gradual ascent.
15.90 Road bears E. and W.
14.00
           Set a limestone 18 X 6 X 5 ins., 12 ins. in the ground, for 1 sec. cor. marked 1 on W.face; and raised a mound of stone, 2 ft.base; 11 ft. high, W. of cor. Pits imprac-
40.00
    ol
           Set a limestone 18 X 8 X 7 ins., 12 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, marked with 4 notches on the S. and 1 on the east edge; and raised a
80.00
           mound of stone, 2 ft. base, 12 ft. high, W. of cor. pits
            impracticable.
           band, gently rolling and level.
           soil, sandy and gravelly loam, and stoney, 2nd, 3rd and 4th
          No timber; undergrowth, yucca.

June 15; At this cor. I set off 23° 18; N. on the declare; and at 12 h. M. l.m.t., observe the sun on the meridian; the resulting late is 31° 42. N.
           M. 89° 57' E. on random line bet secs. 12 and 13.

Intersect E. bdy. of Tp. 5 lks. E. of cor. of secs.

V. 12, 13 and 18. Thence I run

S. 89° 59 W. on a true line bet. secs. 12 and 13.
80. 85
           Over level land.
           Leave level land, thence over gradually rising ground.
20.00
           set a silicate stone, 18 X 6 X 5 ins, 12 ins. in the
           ground, for } sec. cor., marked } on N. face, and raised
           a mound of stone, 2 ft. base, 12 ft. high, W. of cor.
```

Pits impracticable.

```
Subdivision of T. 20 S. R.
chains
             Draw 20 lks. wide course N.
 43.90
             Cor. secs. 11, 12, 13 and 14.
Land, gently rolling and level.
Soil, gravelly loam, 2nd and 3rd rate.
 80.05
             No timber.
             S. 00 1 E. bet. secs. 13 and 14.
             Draw 15 lks. wide course E. Draw 30 lks. wide course E.
 21.40
  29.70
             A limestone ledge 2 X 2 X l ins. above ground, for witness corner to in a sec. cor., marked w.C. tatmer. pt.on w. face; and raised a mound of stones, 2 ft. base,
  39.50
   0/2
             12 ft. high, W. of cor. Pits impracticable.
Falls in draw 30 lks. wide course N.E.Enter mountainers land.
  40.00
            Spur extends E., decsend.
Gulch 60 lks. wide course E., enter scattering oak
  56.00
  58.25
             timber; ascend.
  61.00
             Ridge bears E. and W., descend.
              Gulch 30 lks. wide course E.; ascend.
  65.60
             Guld 40 lks. wide course N.E. Leave mountainous land.
  79.00
             Set a limestone, 18 X 8 X 8 ins., 12 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked with
  80.00
             3 notches on the S. edge and 1 on the E. edge; from which An cak, 8 ins. diam., bears S. 68° W., 108 lks, dist., marked T. 20 S R 18 E S 28 B T.

An oak 16 ins. diam., bears N. 58° W. 3 lks. dist. marked T 20 S R 18 E B 14B T No other trees within limits.
             Raised a mound of stones, 2 ft. base, l_2^{\frac{1}{2}} ft. high, w. vof cor. Pits impracticable.
             Land, gently rolling and mountainous.
              Soil, gravelly and stony, 3rd and 4th rate.
             Timber, scattering oak.

Mountainous land, 39.00 chs.
                                                                          June 15, 1906.
             June 16: At 7 h. a.m., I set off 230 21 non the decl.
arc. and 310 41 Non the lat. arc, and determine a
true meridian with the solar at the cor. of secs. 13, 14, 23
Thence I run
              N. 89° 58° E., on random line bet secs. 18 and 28. Intersect E. bdy. of Tp. 1ks. of the cor. of
19.00
              secs. 15. 18, 19 and 24.
              Thence I run :
N. 89° 59° W. on a true line bet. secs 18 and 24.
             Over gently rolling land,
Draw 10 lks. wide course N.E.
Enter scattering oak timber bears N.W. & S.E.
  3.80
 27:00
              Draw 20 lks. wide course N.E.
Set a porphyr ite stone 18 X 14 X 12ins., 12 ins.
in the ground, for possecofour; marked 26n marface, from
 36.20
 39.98
    ok
              An oak, 14 ins., diam., bears N. 42° E., 240 lks., dist., marked T. 20 S R 18 E B 35.B T.
              An oak, 10 ins. diam., bears S. 64° E., 139 lks. dist., marked T 20 S R 18 E S 24 B.T.
              Raise a mound of stones 2 ft. base, 12 ft. high. W. of
              cor. Pita impracticable.
  68.00
              Gulch 40 lks. wide course N.E., thence E. begin steep
             ascent. Over mountainous land.
Cor. of Secs. 15, 14, 25 and 24.
Land, gently rolling and mountainous.
  79.96
              Soil, gravelly and stony, 3rd and 4th rate.
             Timber, scattering oak.
Mountainous land, 12.00 ohs.
              S. 0° 1° E. bet. secs. 25 and 24.
Over mountainous land, ascending through oak timber.
    9.60
              Spur extends W.E., thence E. along slope of Mustang Mts.
```

```
chains
   37.00 Leave timber; begin steep decsent.
   40.00 Cut x on porphyryite rock 4 X 4 X 3 ins. above ground, for \frac{1}{4} sec. cor., marked \frac{1}{4} on W. face, and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, W. of cor. Fits impracticable.

43.00 Gulch 30 lks. wide course E., ascend along E. slope of
   65.00 Top E. slope round peak; descend.
   73.00 Gap bears E. and W.; ascend.
   80.00 Set a porphyr ite stone 18 X 12 X 5 ins. 12 ins. in the
             ground, for cor. of secs. 23, 24, 25 and 26, marked with 2 notches on the south edge and 1 on the East edge, from which
             An cak, 24 ins. diam., bears N. 60° E., 198 lks, dist. marked T 20 S R 18 E S 24 B T.
            An oak 14 ins. diam., bears S. 58° E., 71 lks. dist., marked T 20 S R 18 E S 25 B T. No other threes within limits. Raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. Pits impracticable.
             Land, mountainous.
            Soil, gravelly, stony, rocky, 3rd and 4th rate. Timber, oak; undergrowth, oak, salacirsa, cacti. Mountainous land, 80 chs.
            June 16; At this corner, I set off 23° 21' on the declare; and at 12 h. M. lam.t., observe the sun on the meridian; the resulting lat. is 31° 40'. N
 80.05 S. 89° 59 E, on random line bet. secs. 24 and 25.
80.05 Intersect E. bdy. of Tp. 9 lks. E. of cor. of secs. 19,
            24, 25 and 30.
N. 89° 55!/W. on a true line bet. secs 24 and 25.
            Over mountainous land, descending along N. slope of ridge,
            through oak timber.
 13.70
            Enter guloh course N.E.
18.00
            Leave gulch and timber; ascend.
Top of N. slope of spur, 600 ft. above gulch; descend 40.02 Falls on blanket ledge of limestone, cut x for t sec. cor. Raise a mound of stone 2 ft. base, 12 ft. high, N. of cor. Pits impracticable.
           Gulch 20 lks. wide course N.N.E.; ascend. S pur 400 ft. above gulch, extends N. High bluff extends 10 chs. S.
54.50
56.00
57.00
           Descend.
           Gulch 40 lks. wide course N.N.E., begin steep, rocky ascent. Top of Mustang Mountains, 800 ft. above gulch, bears N. and S.
63.50
80.05
            Cor. of secs. 23, 24, 25 and 26.
           Land, mountainous.
           Soil, gravelly, stony, rocky; 3rd and 4th rate.
Timber, oak and scattering pinons; undergrowth Salaciesa,
manzanita, amole, cacti.
            Mountainous land, 80.05 chs.
                                                                                 June 16, 1906.
            June 17:
At 7 hall.m.t. I set off 31040 m on the lat. arc; 230
23% on the decl. arc; and determine a true meridian with
            the solar at the cor. of secs. 23, 24, 25 and 26.
            Thence I run
            S. 00 1'E., bet. secs. 25 and 26.
Over mountainous land, ascending through scattering oak.
           Top of escarpment; thence along top of mountain.
 6.00
           Begin steep descent; leave oak timber.
19.00
           Gulch 30 lks. wide course S.W.; ascend.
34.00
           Spur of mountain bears E. and W.; descend.
The point for 1 sec. cor. falls in deep guloh 40 lks.
wide course S.W.; ascend.
38.00
40.00
           Limestone in place, 24 X 18 X 14 ins. above ground, for witness cor. to 1 sec. cor. markedxw c 1 on the w. race;
40.50
           A manzanito tree, 6 ins. diam., bears N. 26° E., 82 lks.,
           marked F 8 25 8 T
```

-		DUDULY LOUDIN OF 18 NO DEC 25 TO TO		
	chains			
		A manzanito tree, 6 ins. diam., bears N. 480 W., 38		
		lks. dist., marked + S 26 B T		•
		Raisedea mound oftstone. 20st. base, le ft. high, w.		•
		of cor. Pits impracticable.		•
	er :	1200 lks. below the top of mountain.		•
	44.50	Top of W. slope of porpohry ridge, descend steep grade.		
l	56.00	Deep gulch 40 lks wide course S.E.; ascebd.		
	59.00 65.00	Ridge bes. N.W. and S.E.,; descend.  Draw 15 lks. wide course S.S.E.		
١	80.00	Set a limestone 18 X 12 X 10 ins, 12 ins., in the		
	1	ground, for cor. of sees. 25, 26, 35 and 36, marked		
	DK	with 1 notch on the E. and Limotch on the S. sage	<b>.</b>	
		and raise a mound of stone, 2 ft. base, 12 ft. high,	•	
		W. of cor. / Pits impracticable.		1
		Land, mountainous.		
		Soil, gravelly, stony and rocky; 3rd and 4th rate.		
		Timber, scattering oak; undergrowth, manzanito, sal-		
١		aciesa, mezcal, cacti.		1
		Mountainous land, 80 chs.  June 17; At this cor. I set off 23° 23' on the decl		
		are; and at 12 h.M 1.m.t observe the sun on the		<b>4</b>
		meridian; the resulting lat. is 31° 39 %. N.		
	j			
		S. 89° 55' El, on a random line bet. secs. 25 and 36.		
j	40.00	Set temp. 1 sec. cor.		
	79.94	Intersect E. bdy. of T. 9 lks. S. of cor. of secs.		d.
`	• * * * *	25, 30, 31 and 36, *** previously described.		
		Thence I run N. 89° 59' W., on a true line bet. secs. 25 and 36.		
		Over gently rolling land.		_
	3.00	Deep gulch 60 lks. wide course S.E. over mounta	ina	18.
	17.00	Deep gulch 50 lks. wide course S.E.; begin steep ascent.	A	Ind.
	23.25	Sharp rocky spur bears S.E. and N.W.; descend.	Ż	
	39,97	Falls on a porphyr ite stone in place 36 X 24 X 16		
	ing e	ins. above ground, marked ton w face, and raise a	<i>'</i>	
		mound of stones, 2 ft. base, 12 ft. wide w. of cor. Pits impracticable.		*
• •	49.60	Deep gulch 40 lks. wide course S.E., thence over		-
-	2000	rolling land.		
	59.40	Deep gulch 40 lks. wide course S.E.		
	77.80	Gulch 20 lks. wide course S.		
	79.94	The cor. of secs. 25, 26, 35 and 36.		
	• 6	Land, rolling and mountainous.		•
		Soil, gravelly, stony and rocky; 2nd and 3rd rate. No timber; undergrowth, tesetilla, mezcal, casti.		
		Mountainous land, 32.60 ohs.		
	a sa ta a	District for the first f		
		S. 00 l' E., bet. secs. 35 and 36. on a true line.		
		Over mountainous land, descending.		
•	8.40 11.20	Draw 20 lks. wide course S.E.		
	17.50	Draw 20 lks. wide course & E.; ascending. Spur extends N.E.; descending.		
	20.30	Draw 15 lks. wide course N.E.; begin steep ascent.		
	26.20	Same wash 15 lks. wide course course N.W., enter		
	ST.	dense prusi		
	33 600	Ridge bears N.W. and S.E., leave dense brush; descend.		
	40.00	Set a limestone is X 10 X 6 ing. (12 ing. in the ground)		•
	R 32	101 T 550. COF. Marked 7 On W. Page: and raise a mon nd		
		of stone 2 ft. base, 12 ft. high, W. of cor. Pits impracticable.		•
	49.07	Intersect then N. bdy. of San Ignacio del Babocomarichand	,	
		Spant 10 34 2 cor. dor. brs. N. 880 07! W. 17.19 che diet		
		Set a limestone 18 X 8 X 6 ins., 12 ins. in the ground.		
		IOF Glosing Cor. Of 1800s. 35 and 36 and San Ignacio dei	1	
		Badocomari Land Grant, merked C.C. on W. g. I D. on g. face		. 7. ·
	;	Withigrouve on E. and 5 grooves on T food & motors and a	r	
		Land, mountainous (stone 3 ft. base & 2 ft. high N og cor. Soil, gravelly and stony; 3rd and 4th rate.		
		No timber; undergrowth salaciesa, manzanito and cacti.		
		Mountainous and dense brush, 49.07 chs.		
		June 17, 1906.		
- Colores			T Managanagan kanasahan	Maria Cara Cara Cara Cara Cara Cara Cara

chain	/ June 18, 1906.
	At 7 hAMl.m.t., I set off 230 25 Non the decl. arc; and
·	31° 43'/on the lat. are; and determine atrue meridian
	with the solar at the cor. of secs. 2, 3,34 and 35. on 4 bdyrp.
	Thence I run
	S, 00 1 E. bet. secs. 2 and 3.
40.0	Over gradually descending ground
40.0	
	for 2 sec. cor. marked 2 on w. face; dig pits, 18 X 18
	X 12 ins., % and % of stone, 3 ft. dist. and raise a
64.0	mound of earth, 3½ ft. base, ½ ft. high, w. of cor.
70.6	The state of the s
80.0	
00.0	Set a sandstone, 18 X 10 X 7 ins., 12 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked with 1 notch
	on the mand s on the so edge; and raise a mound of sante.
	2 ft. base, 12 ft. high, W. of cor. Pits impracticable.
-	Land, gently rolling.
•	Soil, sandy and gravelly loam; 2nd and 3rd rate.
	No timber.
	East on a random line bet. secs. 2 and 11.
40.00	Betotemp: H.send Borline A News Co. College Strange Second
80.06	Intersect N. and S. line 7 lks., S. of the cor. of secs.
7	1,2,11 and 12.
	Thence I run
	S. 89° 57' W. on a true line bet. sees. 2 and 11.
	over gently rolling land.
8.00	Draw 2.00 chs. wide course S.
22.00	Enter draw course E.S.E.
36.00	Canyon 40 lks bears N.W. and S.E.
40.03	I DOU A SANGSTONE. IN X X X 6 ING. 12 ING. in the anound!
64	TOT 2 Sec. COT. Marked 2 On N. face: and raise a mound
	or stones 2 ft. base. 14 ft. high. # of cor. Pits
45 00	impracticable.
45.00	Leave draw; begin gradual ascent.
50.10 80.06	Draw 10 lks. wide course N.E.
00.00	
	Land, gently rolling and level.
	Soil, sandy and gravelly loam and stony; 2nd, 3rd and 4th rate.
	No timber; undergrowth, yucca.
	ar valued; diddest on oil, yddda.
	S. 00 1' E. bet. secs. 10 and 11.
	Over rising ground.
25.60	Draw 10 lks. wide course N.E.
33.45	Draw'So lks. wide course N.E.
34.70	O Draw 20 lks. wide course N.E.
40.00	Set a limestone 18 X 8 X 7 ins. 12 ins. in the ground
1 HK	IOI T Sec. Cor. Marked 7 on W. Tace: and raise a mound
	or stone 2 ft. base. 14 ft. high. W. of cor. pits
	impracticable.
49.40	Begin steep ascent, over mountainous land.
58.00 80.00	Spur bears E. and W.; descend.
00.00	Set a limestone 18 X 8 X 5 ins., 12 ins. in the ground,
1. 1	for cor. of secs. 10, 11, 14 and 15, marked with 2 notches
1 5 /	on the sand from the sand raise a mound of stone,
	2 ft, base, 12 ft. high, W. of cor. Pits impracticable. Land, gently rolling, and mountainous.
	Soil, gravelly, stony and rocky; 3rd and 4th rate.
	No timber; undergrowth, yucca, amole, cacti.
	Mountainous land, 30.60 chs.
	June 18: At this cor. I set off 23° 25N on the decl.
	aro; and at 12 h.M.l.m.t. observe the sun on the meridian:
	the resulting lat. is 31° 42'.//
	N. 89° 57' E. on a random line bet. secs. 11 and 14.
40,00	Set temp. + sec. cor.
80.02	Intersect N. and S. line of lks. N. of cor. of secs. H. of
	1 CT 12 13 and 14 /
	Thence I run West on a true line bet. secs. 11 and 14.

```
chain
             Over gradually rising ground. Top of low spur bears N. and S.
30.00
             Gulch 40 lks. wide course N.
31.00
             Draw 30 lks. wide course E.N.E.; begin gradual ascent.
38.30
             Set a limestone 18 X 6 X 6 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
40.01
   01
             impracticable.
             Draw 10 lks. wide course S.E. over mountainous land Draw 15 lks. wide course S.E.; ascend steeper grade
                                                                over mountainous land.
46.40
50.85
             Spur bears N. and S.; descend.
57.00
             Gulch 30 lks. wide course S.; steep ascent of E. slope
60.00
             of mountain.
             The cor. of secs. 10, 11, 14 and 15. Land, rolling and mountainous.
80.02
             Soil, gravelly, stony; 3rd and 4th rate.
Timber, a few ash and walnut trees along the washes;
             undergrowth, yucca, amole, cacti.
Mountainous land, 29.17 ohs.
             S. 0° 1' E., bet. secs. 14 and 15.
Over mountainous land, descending along the E. slope
             of mountain.
             Descend abrubtly 60 ft.
 5.65
             Deep gulch 40 lks. wide course E, 700 #1. below sec. cdr.
14.60
             Gulch 35 lks. wide course E., ascend.
15.85
             Ridge bears E. and W.; descend.
22.00
             Draw 20 lks. wide course W; ascend gradually leave mountainous A limestone rock in place, marked X on Wface f and raised a mound of stone, 2 ft. base, 12 ft. high, w. of cor.
30.60
40.00
             Pits impracticable.
                                                                                         tainous land.
             Gulch 30 lks. wide course W.; begin steep ascent Enter moun-
50.30
             Top of mountain, descend steep grade,
Set a limestone 18 X 7 X 6 ins., 12 ins. in the ground,
for cor. of secs. 14, 15, 22 and 23, marked with 3
notches on the S. and S on the E. Sige; and raised a
67.00
80.00
  NE
             mound of stone, 2 ft. base, 12 ft. high, W. of Cor.
             Pits impracticable.
             Land, mountainous and gently rolling.
             Soil, gravelly, stony and rocky, ord and No timber; undergrowth, salaciesa, amole, mezcal and
                      gravelly, stony and rocky; 3rd and 4th rate.
             cacti.
             Mountainous land, 60.30 chs.
                                                                         June 18, 1906.
             June 19: At 7 hAM 1.m.t., I set off 23° 25'Non the declare; and 31° 41'Non the lat. arc; and determine a
              true meridian with the solar at the cor. of secs.
             14, 15, 22 and 23. Thence I run E. on a random line bet. secs. 14 and 23.
             Set temp. 1 sec. cor.
Intersect N. and S. hdne 10 lks. N. of cor. of secs.
40.00
79.96
             13, 14, 23 and 24. Thence I run
             N. 89° 56° W. on a true line bet. secs. 14 and 23. Over mountainous land, ascending through oak timber. Spur bears N. and S.; descend.
  5.00
              Gulch 20 lks. wide course N.N.E.; ascend.
11.50
17.00
              Spur bears N. and S.; descend.
22.30
              Gulch 10 lks. wide course E; ascend.
             Spur bears N. and S.; descend.

Spur bears N. and S.; descend.

Set a sandstone 18 X 6 X 5 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor, marked $\frac{1}{2}$ on N. Tace; and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, M. of cor. P

An cak, 6 ins, diam., bears S. 64° 45° W., 77 lks. dist. marked $\frac{1}{2}$ S. $\frac{1}{2}$ VB T.

An cak, 10 ins. diam., bears N. 50° W., 133 lks. dist., marked $\frac{1}{2}$ S. 14 /B T.
 26.00
 39.98 V
     014
              Gulch 40 lks. wide course S.W.; heave timben ascende
 50.00
              Gulchope ikspowide incourse S.W.,; ascend steeper grade
56.20
              along S. slope of mountain.
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#### BOOK 1912 - 8 -Subdivision of T. 20 S. R. 18 E. chains 79.96 The cor. os secs. 14, 15, 22 and 23. Land, mountainous. Soil, gravelly and stony; 3rd and 4th rate. Timber, oak; undergrowth, aak, manzanito, amole, sala-ciesa, mezcal and cacti. Mountainous land, 79. 96 chs. S. 00 1' E. bet. secs. 22 and 23. Over mountainous land, descending through scattering oak timber. Gulch 30 lks. wide course S.W.; ascend. Ridge bears E. and W.; descend. 11.00 20.00 26.00 Gulch 20 lks. wide course W; ascend. Spur bears E. and W.; descend; 29.70 31.80 Gulch 30 lks. wide course S.W.; ascend. Set a limestone 18 X 8 X 6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor. marked $\frac{1}{4}$ on W. face; from which An oak, 18 ins. diam., bears S. 48° 45' E., 37 lks. dist., marked $\frac{1}{2}$ \$23.817. 40.00 An oak, 14 ins. diam., bears S 73° W, 116 lks. dist. marked 2 S. 22 B T. Raised a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Top of W. slope of mountain; descend. 45.00 68.00 Foot of steep descent; descend gradually. 74.50 Draw 30 lks. wide ourse S.W. Set a porphyr ite stone 18 X 8 X 6 ins., 12 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, marked with a notches on the S. and 2 on the E. edge; and raised a mound 80.00 "ol of stone, 2 ft. base, la ft. high, W. of cor. Pits. impracticable. Land, mountainous and gently rolling, Soil, gravelly and stony; 3rd and 4th rate. Timber, scattering oak; undergrowth, manzanito, mezcal, and cacti. Mountainous land, 68.00 chs. June 19: At this cor. I set off 23° 26'N on the decl. are; and at 12 h Ml.m.t., observe the sun on the meridian; the resulting lat. is 31° 40'. S. 89° 56' E. on a random line bet. secs. 23 and 26. Set temp. I sec. cor. Intersect the N. and S. line of iks. N. of cor., of, inc. 40.00 79.92 Beess 23rand 26.

Intersect the N. and S. line of iks. N. of cor., of, inc.

Necs: 25 and 26.

Thence I run

N. 89° 54' W. on a true line bet. secs. 23 and 26.

Over mountainous land, descending through scattering oak.

Leave timber bears N.E. and S.W.

Sulch 20 lks. wide course S.W., 800 ft. below sec. cor.

ascend.

Ridge bears N.E. and S.W.; descend through scattering oak.

Gulch 20 lks. wide course S.W.

Set a porphyr ite stone 18 X 10, X 8 ins., 12 ins. in the ground for t sec. cor. marked t on W. face; from which an ash, 9 ins. diam., bears S. 6° E., 131 lks dist.,

marked t S 25 B.T.

An oak, 12 ins. diam., bears N. 87° W., 158 lks., hist.

marked t S. 25 B T.

Raised a mound of stone 2 ft base 11 ft high W. of cor.

Raised a mound of stone 2 ft. base 1 ft. high, W. of cor.

Same gulch 20 lks. wide course N.W.

Enter same gulch bears E. and W.

Leave gulch course N. W., thence along S. side.

Same gulch 20 lks. wide course B.W., leave scattering oak.

Same gulch 25 ft. wide course N.W.: foot of steep descept

TE E

Same gulch 20 lks. wide course S.W., leave scattering oak.
Same gulch 25 ft. wide course N.W.; foot of steep descent.
The cor. of secs. 22, 23, 26 and 27.
Land, mountainous and gently rolling.

Soil, gravelly, stony and rocky; 3rd and 4th rate.
Timber, scattering oak; undergrowth, mezcal, yucca, cacti.
Mountainous land, 63.00 chs.

June 19, 1906.

_	and the second control of the second	Subdivision of 14, 20, 23, 110,
	chains	At 7 h., 1.m.t., I set off 31° 40' on the lat. arc; 23° 23° hon the decl' arc; and determine a true meridian
	<u> </u>	with the solar at the cor. of secs. 22, 23, 26 and 27. Thence I run S. 0º l'E. bet. secs. 26 and 27.
	5.00	Over gradually descending ground. Draw 20 lks. wide course W.
	38.00 40.00	Draw 30 lks. wide course S.E. Set a porphyr ite stone 18 X 10 X 6 ins., 12 ins. in
	91	the ground for 1 sec. cor., marked 1 on W. face, and raise a mound of stone, 2 ft. base, 12 ft. high, W. ofcor. Pits impracticable.
	51.70	Draw 30 lks. wide course S.E. Enter draw bears S.W. and N.E.
	58.00 77.70	Same wash 40 lks. wide course S.W.
	78.50	I appro drow
	80.00	Set a sandstone 18 X 10 X 6 ins., 12 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked with 1
		notoher on the size and 2 on the Ba bury, and raise a
	VI	mound of stone, 2 ft. base, la ft. nigh, w. or cor.
		Pits impracticable.
		Land, gently rolling and level. Soil, sandy and gravelly loam; 2nd and 3 rd rate. No timber.
		South 89° 54' E. on a random line bet. secs. 26 and 35.
	40.00	Set temp. 1 sec. cor. Intersect N. and S. line 10 1ks. Scof cor. of 18.
	79.96	Recoft 25rand 36.
		Thence I run N. 89º 58' W. on a true line bet. secs.
		26 and 35.
	6.20	Over rolling land Draw 20 lks. wide course S.S.E.
į	14.00	A round hill bears S. 18 chs.
	26.70	Draw 40 iks. wide course S.S.W.
1.	39.00	Draw 40 lks. wide course S.S.W. Set a porphyr ite stone 18 X 10 X 8 ins., 12 ins. in
,	39.98	the ground for & sec. cor. marked # on N. face; and
ķ	A. A.	raise a mound of stone 2 ft. base, 12 ft. high, N. of cor.
	40.60	Pits impracticable.  Deep draw 4001ks. wide course S.S.W.,
	48.60 65.00	Draw 1.00 chain wide course W.S.W.
	71.20	Draw 30 lks. wide oqurse S.W.
	79.96	The cor. for secs. 26, 27, 34 and 35.
		Land, rolling. Soil, gravelly and stoney; 3rd and 4th rare.
	1. 1. 1. 1. 7	No +imber: undergrowth Vinorama, along Washes.
		June see At this cor. I set off 23° 28 Non the decl. arc;
	e	and at 12 h., 1.m.t., observe the sun on the meridian; the resulting lat. is 31° 39'. N
		S. 00 l'E. bet. secs. 34 and 35. on a true line.
	20.00	Over gradually descending ground.  Draw 3 chs. wide course S.S.W.
	25.00	Along E. side of draw course S.
	40.00	Set a norphyr ite stone 18 X 10 X 8 ins. 12 ins. in
	1	the ground, for t sec. cor. marked t on W. face;
		and raise a mound of stone 2 ft. base, la ft. high, W. of oor. Pits impracticable.
A.	41.00	Leave side of draw course S.W.
1	46.45	Intersect the N. bdy. of San Ignacio del Babacamari
		Land Grant, 332 M. cor. brs. N. 880 07 W., 17.12 ohs. dist.
,		Set a norphyrite stone 18 X 12, X 8 ins., 12 ins. in
ť		the ground, for closing cor, of thes. 34 and 35 and San
		Ignacio del Babocomeri Land Grant, marked CC on W. S. I D B on S. face, with a grooves on E. and a grooves on W.
	· .	face
e:		Raise a mound of stone 2 ft. base, 12 ft. high of cor.
		Pits impracticable.

```
chains
                Land gently rolling.
               Soil, gravelly and stony; 3rd and 4th rate, No timber.
                                                                                     June 20, 1906.
               At 7 h.A.Ml.m.t., I set off 31° 43 Non the lat. arc; and 23° 28'Non the decl. arc; and determine a true
               meridian with the solar at the cor. of secs. 3, 4, 33 and 34 on the N. bdy. of tp. previously described.
               Thence I run
               S.6° 2' E. bet. secs. 3 and 4. Over level land.
 19.00
               Old read bears E. and W.
               Old road bears E. and W.
 19.80
 24.00
               Begin gradual ascent.
               Road bears E. and W.
 37.85
               Set a limestone 18 X 6 X 6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor. marked $\frac{1}{2}$ on W. face; dig pits 18 X 18 X 12 ins.; $\frac{1}{2}$ and $\frac{1}{2}$ ins.; and riase a mound of earth, $\frac{1}{2}$ ft. base, $\frac{1}{2}$ ft. high, $\frac{1}{2}$. of cor. Old road bears N.E. and S.W.
 40.00
 51.90
 54.20
               Draw 15 lks. wide course N.E.
               same wash course N.W.
 75.70
              Set a limestone 18 X 10 X 7 ins., 12 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked with 5 notches on the S. and 3 notches on the E. edge; and raised a
 80.00
    t_{V_{\zeta}}
               mound of stone, 2 ft. base, 1 ft. high. w. of cor.
               Pits impracticable.
               Land, gently rolling and level. Soil, sandy and gravelly loam and stony, 2nd, 3rd
               and 4th rate.
               No timber.
               East 1. 2 on a random line bet. secs. 3 and 10.
              Set temp. 1 sec. cor.
Intersect N. and S. line 5 lks. S. of the cor. of secs. 2, 3, 10 and 11.
Thence I run
 40.00
 79.96
               S. 89° 58' W. on a true line bet. secs. 3 and 10.
               Over 'gradually rising ground.
 11.50
               Draw 10 2ks. wide course N.
 20.40
               Draw 20 lks. wide course N.
              Draw 30 lks. wide course N.

Draw 20 lks. wide course N.

Draw 20 lks. wide course N.

Set a limestone 18 X 6 X 6 ins., 12 ins. in the ground, for \( \frac{1}{2} \) sec. cor. marked \( \frac{1}{2} \) on \( \frac{1}{2} \) face and raise a mound of stone 2 ft. base, \( \frac{1}{2} \) ft. high, \( \frac{1}{2} \). of cor. Pits
 29.20
 35.40
 39.30
 39.98
              impracticable.
              Begin steep ascent.
              Spur of Mustang Mountains bears N. and S.
 49.00
              Descend steep slope.
              Draw 15 lks. wide course, S.W.; ascend.
60.00
 69.00
              Top of spur bears N. and S.; descend.
              Foot of steep descent.
Same wash 15 lks. wide course N.N.W.
 76.00
 78.90
 79.96
              The cor. of secs. 3,4,9 and 10. Land, gently rolling.
              Soil, gravelly and stony; 3rd and 4th rate. No timber; undergrowth, yucca and vinorama. Mountainous land, 55.98 chs.
              June 21: At this cor. I set of 23° 27th on the decl. are; and at 12h. 1 m.; Ml.m.t., observe the sun on the
              meridian; the resulting lat. is 310 42 N.
              S. 00 21 E. bet. secs. 9 and 10.
             Over gradually rising ground.
Set a limestone 18 X 12 X 10 ins., 12 ins. in the ground, for 2 sec. cor. marked 2 on W. face and raise a
40.00
19 M 3
              mound of stone 2 ft. base, 12 ft. high, w. of cor.
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Pits impracticable.

_		Subdivision of T. 20 S., R. 18 E.	
	chains.		
	43.00 48.00 54.70 73.30	Top of swell bears E. and W.; descend gradually. Mustang dome 1200 ft. high, brs. Mc. about 25 chs. dist. Draw 20 lks. wide course W. Small draw course W.S.W. Set a limestone 18 X 14 X 6 ins., 12 ins. in the ground,	
	80.00 M	for cor. of secs. 9, 10, 15 and 16, marked & notches on the s. and 3 notches on the E. edge; and raise a mound of stone 2 ft. base, 12 ft. high, W. of cor. Pits impracticable.	
	t y	Land, gently rolling. Soil, gravelly loam and stony; 2nd, 3rd and 5th rate. No timber.	
	40.00	N. 89° 58' E. on a random line bet. secs. 10 and 15.  Set temp. t sec. cor.  Intersect the N. and S. Line Line line line line line line line.  No. 111, 14 and 15. 00 000.  Thence I run	
	24.00	S. 89° 56' W. on a true line bet. secs. 10 and 15.  Over mountainous land, ascending.  Top of Mustang Mountain 50ft. above ser. seps. 10,	
:	35. <b>5</b> 0 39.96	ll, 14 and 15. bears N. and S.; begin steep descent. Crevice 20 lks. wide course S.E. Set a limestone 18 X 6 X 6 ins., 12 ins. in the ground, for \( \frac{1}{2} \) sec. cor. marked \( \frac{1}{4} \) on N. face and raise a mound	
	62.00	of stone 2 ft. base, l2 ft. high, W. of cor. Pits impracticable. Foot of steep descent bears N. and S.; thence descend	
٠.	68.00 74.00 79.92	gradually. Draw 20 lks. wide course S.W. Draw 30 lks. wide course S.W. The cor. of secs. 9, 10, 11 and 15.	
		Land, mountainous and gently rolling. Soil, gravelly, stony and rocky; 3rd and 4th rate. No timber; undergrowth, mezcal, manzanito, salaciesa and cacti. Mountainous land, 62.00 chs.  June 21, 1906.	
		June 22: At 7 h.Ml.m.t., I set off 23° 28 Mon the decl. arc; and 31° 42'Non the lat. arc; and determine a true meridian with the solar at the cor. of secs. 9, 10, 15 and 16.	
	•45 4•55	Thence I run S. 0° 2' E. bet. secs. 15 and 16. Over gradually descending ground. Draw 10 lks. wide course S.W. Draw 15 lks. wide course S.W.	
	7.35 26.35 40.00	Draw 20 lks. wide course S.W. Draw 20 lks. wide course S.W. Set a limestone 18 X 12 X 10 ins., 12 ins. in the ground, for \( \frac{1}{2} \) sec. cor. marked \( \frac{1}{2} \) on W. face and raise a mound of stone 2 ft. base, 1\( \frac{1}{2} \) ft. high, W. of cor. Pits	
	52.20 80.00	impracticable.  Draw 40 lks. wide course N.W., thence S.W.  Set a limestone 18 X 14 X 12 ins. 12 ins. in the ground,  for cor. of secs. 15, 16, 21 and 22, marked with 3  notches on the S. and E. edges: and raised a mound of	•
•		notches on the so and E. edges; and raised a mound of stone 2 ft. base, 14 ft. high, W. of cor. Pits impracticable. Stone also marked 20 S on N.E.& 18 E on S Land, gently rolling. Soil, Gravelly and stony; 3rd and 4th rate. No timber.	•
	40.00	N. 58° 2564 Remominandom line bet. secs. 15 and 22.  Set temp. † sec. cor.  Intersect N. and S. 1ine, 6 lks. Nl4 of cor. of secs,  14 kls. 22 and 25.  Thence I run	
			SERVE

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SILESTO
               S. 89° 59'W. on a true line bet. secs. 15 and 22.
               Over mountainous land, ascending.
   5.00
              Ascend over bluffs.
              Top of bluffs bears NE and SW, thence along S. slope of
   9.00
               spur which bears S.W. and N.E.
 16.00
              Begin steep descent.
              Foot of syeep descent; descent gradually.
 36.00
              Leave mountainous land.
              Set a limestone 21 X 7 X 6 ins., 16 ins. in the ground, for 2 sec. cor. marked 1 on N. face, and raised a mound of stone 2 ft. base, 11 ft. high, N. of cor. Pits impracticable.
 39.95 v
              Draw 1.00 ch. wide course S.W.
 58.00
              The cor. of secs. 15, 16, 21 and 22.
 79.90
              Land, gently rolling and mountainous.
              Soil, gravelly, stony and rocky; 3rd and 4th rate. No timber; undergrowth, manzanito and cacti. Mountainous land, 36.00 chs.
              June 22: At this cor. I set off 23° 27' N. o n the decl. arc;
              and at 12. h. 2 m., p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 31° 41'$
             S. 0° 2'E., bet. secs. 21 and 22. Over gently rolling land.
Draw 1.00 ch. wide course W.
10.50
             Draw 1.00 ch. wide course W.

Draw 1.00 ch. wide course W.

Bet a sandstone 24 X 7 X 5 ins, 18 ins. in the ground, for the sec. cor., marked to on W. face, and raise a mound of stone, 2 ft. base, 1th. high, W. of cor. Pats impracticable.

Braw 1 ch. wide course S.W.

Set a sandstone 18 X 8 X 8 ins., 12 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked 2 notches on the S. and 3 notches on the E. edges, and raise a mound of stone, 2 ft. base, 1th thigh, W. of cor. Pits impracticable. Land, gently rolling.
21.00
40.00
62.00
80.00
   MK
             Land, gently rolling.
Soil, gravelly loam; 2nd and 3rd rate.
No timber.
             N. 89° 59° E., on a random line bet. secs. 22 and 27. Set temp. ½ sec. cor. Intersect N. and S. line 4 lks, N. of cor. of secs. 22, 23, 26 and 27.
40.00
79.94
             Thence I run
             N. 89º 59 1/W. on a true line bet. secs. 22 and 27.
             Over descending ground.
 5.00
             Draw 40 lks. wide course S.W.
             Set a sandstone 18 X 10 X 8 ins., 12 ins. in the ground, for witness corner to \frac{1}{4} sec. cor. marked W.C. \frac{1}{4} on N. f ace.
39.50,
             from which
   £15
            An oak, 16 ins. diam., brs. N.7° 30'E., 98 lks. dist., marked W C \( \frac{1}{2} \) S 22 B T.

An oak, 30 ins. diam., brs. S.65° E. 109 lks., dist., marked W C \( \frac{1}{2} \) S 27 B T.
             Raise a mound of stone 2 ft. base, 12 ft. high, N. of cor.
             Pits impracticable.
39.97
            Point for 1 sec. cor. falls in draw 30 lks. wide course S.W.
            Draw 25 lks. wide course S. Draw 60 lks. wide course S.W.
55.80
74.50
            The cor. of secs. 21, 22, 27 and 28. Land, gently rolling. Soil, gravelly and stony; 3rd mad 4th rate.
79.94
             Timber, a few oak, ash and walnut trees along washes.
             S. 0º 2' E. bet. secs. 27 and 28.
            Over gradually descending ground.
            Draw 60 lks. wide course S.W.

Set a mandstone 18 X 9 X 5 ins., 12 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 impracticable.

Old road bears N.W. and S.E.
10.00
40.00
oK
45,80
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XXX

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chains
             Enter stony draw course S.W.
59.00
             Boatomoofkdrawi40 lks swide course S.Wl
62.00
             Leave draw.
66.50
             Set a sandstone 18 X 14 X 12 ins., 12 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, marked with 1 notch on 8 and 3 notches on East edges; and raise a mound of stone,
80.00
              2 ft. base, 12 ft. high, W. of cor. Pits impracticable. Land, gently rolling and level. Soil, gravelly loam and stony; 2nd, 3rd and 4th rate.
              Soil,
              No timber.
                                                                               June 22, 1906.
              June 23: At 7 h. a.m., l.m.t., I set off 31° 39' N., on the lat. arc; and 23° 28' Von the decl. arc; and determine a true
              meridian with the solar at the cor. of secs. 27, 28, 33
              and 34.
              Thence I run
              s. 89° 59' E., on a random line bet. secs. 27 and 34.
              Set temp. \( \frac{1}{4} \) sec. cor. Intersect the N. and S. line 2 lks. N. of cor. of secs.
40.00
89.90
              26, 27, 34 and 35.
              Thence I run/
              N. 89º 58' W. on a true line bet. secs. 27 and 34.
               Over gently rolling land; while
              Draw 40 lks. wide course S.W. Draw 120 lks wide sourse S.
  3.40
18.50
               Draw 130 lks. wide course S.
31.00
              Set a sandstone 18 X 10 X 4 ins., 12 ins. in the ground, for \( \frac{1}{4} \) sec. cor. marked \( \frac{1}{2} \) on the N. face and raise a mound of stone 2 ft. base, \( \frac{1}{2} \) ft. high, N. of cor. Pits
39.95
     E) <
               impracticable.
               Draw 140 lks. wide course S.
 72.00
               The cor. Of secs. 27, 28, 33 and 34. Land, gently rolling.
 79.90
                        gravelly and stony; 3rd and 4th rate.
               Soil, grav
No timber.
               S. 00 2' E., bata true line bet. secs. 133 and 34. Over gradually descending ground.
               Old road bears S.W. and N.E.
Along W.Sides of wash, course S.E.
Leave the side of wash.
 11.20
 23.00
 27.00
               Seta sandstone 18 X 6 X 6 ins., 12 ins. in the ground, for \(\frac{1}{2}\) sec. cor. marked \(\frac{1}{2}\) on Wk face and raise a mound of stone, 2 ft. base, 1\(\frac{1}{2}\) ft. high W. of cor. Pits
 40.00
               impracticable.
               Intersect the N. bdy. line of the San Ignacio del
 43.83
               Babocomari Land Grant at a point from which the 322 mile
      MY
               Babocomari Land Grant at a point from which the 325 mile cor. brs. N. 88° 07' W. 17.28 chs. dist.

Set a sandstone 18 X 10 X 5 ins., 12 ins. in the ground, for closing cor. of fractional secs. 33 and 34 and the San Ignacio del Babocomari Land Grant, with 3 grooves on the E. and W. faces, marked CC on the N. and S I D B on S. face. Riase a mound of stone 2 ft. base, 12 ft. high, N. of cor.
               Pits impracticable.
               Land, gently rolling.
Soil, gravelly and stony; 3rd and 4th rate.
No timber.
                                                                              June 23, 1906.
               June 24: At 7 h. am, l.mt., I set off 31° 43'Non the lat arc; and 23° 27N on the decl. arc; and determine a true meridian
                with the solar at the cor. of secs. 4, 5, 32 and 33, on
               N. bdy. of tp. previously described. Thence I run S. 0° 2' E., bet. secs. 4 and 5. Over level land.
                Leave level land; enter gently rolling land.
 18400
                Set a limestone 18 X.7 X 4 ins., 12 ins. in the ground,
  40.00
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A CONTRACTOR OF THE PARTY OF TH	Subdivision of T. 20 S., R. 18 E.	191
78.00 80.00	for \( \frac{1}{2}\) sec. cor. marked \( \frac{1}{2}\) on W. face; dig pits 18 X 18 X 12 ins., W. and \( \frac{1}{2}\). of stone, 3 ft. dist.; and raise a mound of earth, \( \frac{1}{2}\) ft. base, \( \frac{1}{2}\) ft. high, W. of cor. Draw 1.00 ch. wide course S.W.  Set a silicate stone 18 X 8 X 5 ins., 12 ins. in the ground for cor. of secs. 4, 5, 8, and \( \frac{1}{2}\), marked with \( \frac{1}{2}\) notch on the \( \frac{1}{2}\) and 4 on the \( \frac{1}{2}\). And \( \frac{1}{2}\) ft. high, W. of cor. Pits impracticable.  Land, gently rolling and level.  Soil, gravelly loam; 2nd and 3rd rate.  No timber.	• •
40.00 80.06	Intersect the N. and S. Bline 2 lks. S. of cor., of secs, 4, 9 and 10. Thence I run  6. 89° 59' W. on a true line bet. secs. 4 and 9.	
34.20 34.40 40.03 48.00 74.00 80.06	Over gently rolling land. Old road bears N. and S. Draw 120 lks. wide course N.; ascend gradually. Set a limestone 18 X 6 X 6 ins., 12 ins. in the ground, for \( \frac{1}{4} \) sec. cor. marked \( \frac{1}{4} \) on N. face and raise a mound of stone, 2 ft. base, 1\( \frac{1}{2} \) ft. high, N. of cor. Pits impracticable. Top of S. slope of low ridge brs. N. and S.; descend gradually. Draw 100 lks. wide course N.W. The cor. of secs. 4, 5, 8 and 9. Land, gently rolling. Soil, gravelly and stony; 2nd, 3rd and 4th rate. No timber.	
17.00 30.00	S. 0° 2' E. bet secs. 8 and 9. Over gently rolling land. Draw 1.00 ch. wide course W.; ascend. Spur of mountain, bears N.W. and S.E.; descend steep	
36.15 40.00 0 55.00	Set a porphyryite stone, 18 X 8 X 6 ins., 12 ins. in the ground, for \( \frac{1}{2} \) sec. cor, marked \( \frac{1}{2} \) on \( \frac{1}{2} \) ft. high, \( \frac{1}{2} \) of cor. Pits impracticable. Top of \( \frac{1}{2} \) slope of round mountain; top of mountain is 7 chs. \( \frac{1}{2} \) descend.	
59.40 76.30 80,00	Draw 20 lks. wide course W.; begin gradual descent.  Draw 80 lks. wide course S.W.  Set a silicate stone 18 X 12 X 10 ins., 12 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, marked with 4 notches on the W. and 4 notches on the E. edge; and raised a mound of stone, 2 ft. base, 12 ft. high, W. of cor. Pits impracticable.  Land, mountainous and gently rolling.  Soil, gravelly and stony; 3rd and 4th rate.	
	No timber.  June 24: At this cor. I set off 23°26 Non the decl. are and at 122h. 2 m.1.m.t., observe the sun on the meridian and the resulting lat. is 31° 42° N.	•
40.00 80.08	N. 89° 52' E. on a random line bet. secs. 9 and 16. Set temp. 1 sec. cor. Intersect N. and S. Mane TikkserNsecs.cor. cof secs.  9,310, 15 and 36.  N. 89° 58'W. on a true line bet. secs. 9 and 16.  Over gently rolling land.	•
40.04 o/x	Set a limestone 18 X 8 X 6 ins., 12 ins. in the ground, for $\frac{1}{2}$ sec. cor. marked $\frac{1}{2}$ on N face; dig pits 18 X 18 X 12 ins., E. and W. of stone, 3 ft. dist., and raise	

Subdivision of T. 20 S., R. 18	E	i.
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chains
              a mound of earth, 31 ft. base, 12 ft. high, N. of cor.
               old road bears S.S.W. and N.N.E.
49.70
               Draw 1.00 ch. wide course S.W.
50.00
               The cor. of secs. 8, 9, 16 and 17.
80.08
               Land, gently rolling.
                         Gravelly hoam and stony; 2nd, 3rd and 4th rate.
               Soil, Grav
No timber.
               S. 0º 27 E. bet. secs. 16 and 17.
               Over gently rolling land.
               Draw 1.00 ch. wide course S.W.

Set a sandstone 18 X 8 X 7 ins., 12 ins. in the ground,

for \( \frac{1}{4} \) sec. cor.marked \( \frac{1}{4} \) on W. face and raise a mound of

stone 2 ft. base, \( \frac{1}{2} \) ft. high, W. of cor. Pits impracti-
18.00
40.00
     HL
              Draw 140 lks. wide course S.W.

Set a limestone 18 X 10 X 8 ins., 12 ins, in the ground,

for cor. of secs. 16, 17, 20 and 21, marked with 3
50.60
80.00
              notches on the stand 10, 11, 20 and 21, marked with on the E. edge; and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. Pits impracticable.

Land, gently rolling.

Soil, gravelly loam; 2nd and 3rd rate.
               Soil, grav
No timber.
                S. 89º 58' E. on a random line bet. secs. 16 and 21.
               Set temp. 2 sec. cor. Intersect N. and S. Wilne Wilks S. of cor. of secs.
40.00
80.04
               Hand 1602 21 and 221. of cor.
Thence I run
                West on a true line bet. secs. 16 and 21.
                Over gradually descending ground. Draw 20 lks. wide course S.W.
 37.55
               Set a limestone 18 X 6 X 6 ins., 12 ins. in the ground, for \( \frac{1}{2} \) sec. cor. marked \( \frac{1}{2} \) on N. face; and raise a mound of stone 2 ft. base, \( \frac{1}{2} \) ft. high, \( \frac{1}{2} \). of cor. Pits
40.02
                impracticable.
               Read bears N. and S. The cor. of secs. 16, 17, 20 and 21.
 67.60
 80.04.
                Land, gently rolling.
               Soil, gravelly loam; 2nd and 3rd rate. No timber.
                                                                                         June 24, 1906.
               At 7 h. a.m. l.m.t., I set off 31° 41 Won the lat. arc; and 23°26 Won the decl. arc; and determine a true
                meridian with the solar at the cor. of secs. 16, 17,
                20 and 21.
                Thence I run
               S. 00 2' E., bet. secs. 20 and 21. Over gradually descending ground.
               Set a limestone 18 X 10 X 5 ins., 12 ins. in the ground; for \( \frac{1}{2} \) sec. cor. marked \( \frac{1}{2} \) on \( \frac{1}{2} \) ins., \( \frac{1}{2} \) ins., \( \frac{1}{2} \) and \( \frac{1}{2} \) of stone, 3 ft. dist.; and raise a mound of earth, 3\( \frac{1}{2} \) ft. base, 1\( \frac{1}{2} \) ft. high, \( \frac{1}{2} \) of cor.

Wire fence bears E. and \( \frac{1}{2} \).
 40.00
   - MC
 51.45
                Set a silicate stone 18 X 12 X 9 ins., 12 ins. in the
 80.00
               ground, for cor. of secs. 20, 21, 28 and 29, marked with motches on the sand dedges, dig pits 18 X 18 X 12 ins., in each sec. 5 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, gently rolling.
   6/2
                          gravelly loam; 2nd and 3rd rate.
                Soil grav
                East on a random line bet. secs. 21 and 28.
                Set temp. 1 sec. cor.
Intersect the N. and S. 12no 15 Aks. S. of cor., of secs.
 40.00
 79.96
                and 22, 29 and 28, of cor.
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chains
              S. 89º 57' W. on a true line bet. secs. 21 and 28.
              Over gently rolling land, sloping S.
  27.30
              Draw 60 lks. wide course S.W.
              Set a porphyr ite stone, 18 X 9 X 7 ins., 12 ins. in the ground for \frac{1}{2} sec. cor. marked \frac{1}{2} on N. face, and raise a mound of stone 2 ft. base, 1\frac{1}{2} ft. high, N. of cor.
  39.98
     PK
              Pits impracticable.
  46.00
              Draw 40 lks. wide course S.W.
             Wire fence brs. S.S.E. and N.N.W. Deep draw 140 lks. wide course S.
  50.44
  70.50
             The cor. of secs. 20, 21, 28 and 29.
  79.96
             Land, gently rolling,
             Soil, grav
                      gravelly loam and stony; 2nd, 3rd and 4th rate.
             S. 0º 2' E. bet. secs. 28 and 29.
             Over gradually descending grade.
 18.00
             Draw 160 lks. wide course S.W.
             braw 100 lks. wide course S.W. Corral 3 chs. west.
 22.80
 31.00
             Set a sandstone 18 X 6 X 6 ins. 12 ins. in the ground, for \frac{1}{2} sec. cor. marked \frac{1}{2} on W. face and raise a mound of stone, 2 ft. base, \frac{1}{2} ft. high, W. of cor. Pits
 40.00
             impracticable.
            Wire fende brs. N.W. and S.E.
Enter Babocomari botton course S.E.
Set a silicate stone 18 X 8 X 8 ins., 12 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked with 1 notches on the S. and 4 notches on the E. edge; dig pits,
 44.50
 72.00
 80.00 -
     MY
             18 X 18 X 12 ins., in each sec. 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, gently relling and level.
                     gravelly loam and stony; 2nd, 3rd and 4th gate.
             Soil, grav
             June 25: At this cor. I set off 23°25'K. on the decl. arc and at 12 hM.l.m.t., observe the sun on the meridian
             and the resulting lat. is 319 39 W.
            N. 89° 57' E. on a random line bet. secs. 28 and 35.

Set temp. torec. cor.

Intersect N. and S. bine Silks. N. of cor. bet. secs.
40.00
80.02
            271128,1330and034.
             Thence I run
            N. 89° 59 \% W. on a true line bet. secs. 28 and 33.
             Over level land.
            Descending over gently rolling land, sloping S. Enter stony draw course S.W.
4.00
            Dry wash 40 lks. wide course S.W.
18.00
23.00
            Leave draw.
            Set a sandstone 18 X 10 X 8 ins., 12 ins. in the ground for \frac{1}{2} sec. cor., marked \frac{1}{2} on N. face, and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high., N. of cor. Pits
40.01
   M
            impracticable.
57.00
            Draw 1.00 ch. wide course S.W.
73.00
            Wire fence brs. S. W. and N. E.
            Enter Babocomari bottom land, course S.E.
75.00
80.02
            The cor. of secs. 28, 29, 32 and 33. Land, gently rolling and level.
            Soil, sandy and gravelly loam and stony; 2nd, 3rd and
            4th rate.
            Timber, a few ash in draw.
            S. 0° 2' E. bet. secs. 32 and 33. On a true line. Over level land.
            Wire fence brs. S.R. and N.W.
 5.33
 7.70
           Road bears S.E. and N.W.
            Wire fence braes N.E. and S.W.
 9.96
            Telegraph line bears S.E. and N.W.
10.00
           Wire fence bears S.E. and N.W.
10.44
11,60
           Railroad bears S.E. and N.W.
12.13
           Wire fence bears S.E and N.W.
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Q

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chains
            Babocomari creek 90 lks. wide course S.E.; leave bottom, thence over rolling land.
14.00 e
            Draw 1.00 ch. wide course N.E.
22.00
            Old road bears E. and W.
Set a limestone 18 X 7 X 6 ins., 12 ins. in the ground,
for 1 sec. cor. marked 1 on W. face and raise a mound
of stone 2 ft. base, 1 ft. high, W. of cor. Pits
39.80
40.00
    FX.
            impracticable.
           Intersect N. bdy. line of the San Ignacio del
41.28
    014
             Soil, sandy and gravelly loam, and stony; 2nd,
             3rd and 4th rate.
             No timber.
                                                                 June 25, 1906.
             June-26:----
             At 7 h., a.m. l.m.t., I set off 31° 43 Won the lat. arc; and 23°24'N' on the decl. arc; and determine a true
             meridian with the solar at the cor. of secs. 5, 6,
             31 and 32.
             Thence I run
             S. 00 3' E. bet. sec. 5 and 6. Over gently rolling land.
             Set a sandstone 18 X 14 X 5 ins., 12 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
             Road bears N.W. and S.E.
 34.80
 40.00
    M
             impracticable.
             Road bears N.W. and S.E.
 68.00
             Draw 30 lks. wide course E.
 78.30
             Set a sandstone 18 X 10 X 8 ins., 12 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, marked with 5 notch on the S. and 5 notches on the E. face; and raised a mound of stone, 2 ft. base, 12 ft. high, W.
 80.00
     1 K
              of cor. Pits impracticable.
              Land, gently rolling.
              Soil, gravelly and stony; 3rd and 4th rate. No timber.
              East on a random line bet. secs. 5 and 8.
             Set temp. 1 sec. cor.
Intersect N. and S. line, 6 lks. N., of cor. bet, secs. ..
2.55. 8 and 9.00.
  40.00
  80.08
              Thence I run
N. 89º 57' W., on a true line bet. secs. 5 and 8.
              Over gradually descending ground.
              Draw 90 lks. wide course S.W.
   7.00
              Enter draw course W.
  17.00
              Leave draw course S.W.
  25.00
              Set a limestone 18 X 6 X 5 ins., 12 ins. in the ground, for \( \frac{1}{2} \) sec. cor. marked \( \frac{1}{2} \) 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 \( 3\frac{1}{2} \) ft. base, \( 1\frac{1}{2} \) ft. high, N. of cor.
  40. 04
      12-11
              Enter draw course S.
  57.00
              Leave draw; gradual ascent
  62.00
              old road bears N.W. and S.El
  66.50
              Draw 90 lks. wide course S.E.
  76.00
              The cor. of secs. 5, 6, 7 and 8. Land, gently rolling and level.
  80.08
              Soil, gravelly loam and stony; 2nd, 3rd and 4th rate. No timber.
              June 26: At this cor. I set off 23023 M on the decl.
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chains
                arc and at 12 h. 2 m. M.l.m.t., observe the sun on the meridian; the resulting lat. is 31° 42', 300 %.
                West on true line bet. secs 6 and 7.
  17.30
                Top of ascent; descend.
                Small draw course S.W.; cascend.

Small draw 60 lks. wide course S.W.

Set a limestone 28 X 8 X 7 ins., 21 ins. in the ground,

for \( \frac{1}{2} \) sec. cor. marked \( \frac{1}{2} \) on N. face, and raise a mound

of stone, 2 ft. base, 1\( \frac{1}{2} \) ft. high, N. of cor.
  24.05
  31.00
  40.00
                Pits impracticable.
               Intersect the W. bdy. line, 54 lks. S. of secs. land 12, T. 20 S., R. 17 E., previously described.

Set a limestone 18 X 6 X 6 ins., 12 ins. in the ground, for closing cor. of secs. 6, and 7, marked C C on E., with 5 grooves on the S. and T groove on W. faces, and raise a
  79.30
               mound of stone 2 ft. base, 12 ft. high, E. of cor.
               Pits impracticable.
                Land, Rolling and level.
                Soil, gravelly and stony; 3rd and 4th rate.
               No timber.
               S. 0° 3' E. bet. secs. 7 and 8. Over gently rolling land.
 39.50
               Draw 2.00 chs. wide course R.
              Set a granite stone 18 X 14 X 7 ins., 12 ins. in the ground, for $ sec. cor.mmarked $\frac{1}{2}$ on W face, dug pits, 18 X 18 X 12 ins., $\frac{1}{2}$ and $\frac{1}{2}$ inoffiction cund ft. dist., and raise a mound of cambb, $\frac{1}{2}$ ft. base, $\frac{1}{2}$ ft. high, $\frac{1}{2}$. Of cor.

Draw 130 lks. wide course E.
 40.00
 66.40
 75.90
               Draw 200 lks. wide course E.
               Set a sandstone 18 X 14 X 12 ins., 12 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked with 1 notches on the 3. and 5 notches on the E. edge; and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor. Pits
 80.00
               impracticable.
               Land, gently rolling.
                          gravelly and stony; 3rd and 4th rate.
               No timber.
                                                                                               June 26, 1906.
              At 7 h. a.m., l.m.t., I set off 31° 42 % on the lat. arc; 23° 21' on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 7, 8, 17 and 18.

S. 89° 57' E. on a random line bet. secs. 8 and 17.
             Set temp. 1 sec. cor.
Intersect the N. and S. Line, 9 1ks. S., of cor. bet, 18
40.00
80.10
              websl78,91,16 and 1700. Thence I run
              S. 89° 59' W. on a true line bet. secs 8 and 17.
              Over gently rolling land.
              Draw 80 lks. wide course S.W.
 7.30
             Old road bears N.W. and S.E.

Set a silicate stone 18 X 6 X 6 ins., 12 ins. in the ground, for \( \frac{1}{4} \) sec. cor., marked \( \frac{1}{4} \) on the 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\( \frac{1}{2} \) ft. base, 1\( \frac{1}{2} \) ft. high, N. of
27.75
40.05
              cor.
42.85
             Old road bears N.N.W. and S.S.E.
             Old road bears N.W. and S.E.
57.65
63.70
             Enter draw course S.
69.00
             Leave draw.
             The cor. of secs. 7, 8, 17 and 18.
Land, gently rolling and level.
Soil, sandy and gravelly loam, and stony; 2nd, 3rd and
80.10
              4th rate.
             No timber.
              West on true line bet. secs. 7 and 18.
             Over gradually rising ground.
29.00
             Top bears N.E. and S.W., thence over nearly level land.
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Set a sandstone 18 X 10 X 5 ins., 12 ins. in the ground, for \frac{1}{4} sec. cor., marked \frac{1}{4} on N. face and raise a mound of stone, 2 ft. base, \frac{1}{2} ft. high, N. of cor. Pits
chains
40.00
     Mx
                   impracticable.
                   Enter rolling land.
                   Draw 30 lks. wide course N.W.
49,60
                   Draw 100 lks, wide course N.W.
Intersect the W. bdy. line, 102 lks. S. 0°20/ E., of cor. of secs. 12 and 13, T. 20 S., R. 17 E., previously
69.80
79.20
      By &
                   Set a sandstone 21 X 6 X 6 ins., 15 ins. in the ground, for closing corner of secs. 7 and 18, marked C C on E. with 4 grooves on S. and 2 grooves on N. faces, and raise a mound of stone 2 ft. base, 12 ft. high, E. of cor. Land, gently rolling and nearly level.

Soil gravelly and stony. And and 4th mate.
                   described.
                                 gravelly and stony; 3rd and 4th rate.
                    No timber:
                   June 27: At this.cor. I set, off 23921 N. on the decl. ard; and at 12 h. 2 m. Ml. m.t., observe the sun on the meridian; the resulting lat. is 31° 42 \ N.
                    S. 00 3' E. bet. secs. 17 and 18' Over gently rolling land.
Draw 100 bks. wide course E.
   7.00
29.70
                    Draw 200 lks. wide course E.
                   Set a sandstone 18 X 9 X 6 ins., 12 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.
40.00
      řΚ
                    Pits impracticable.
                   Thence along W. side of draw course S.

Set a sandstone 21 X 9 X 7 ins., Es ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked with 3 notches on the S. and 5 notches on the E. faces, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.
 80.00
  Mr.
                    Pits impracticable.
                    Land, gently rolling and level.
                    Soil, sandy and gravelly loam, and stony; 2nd, 3rd and
                    4th rate.
                    No timber.
                   N. 89° 59! E. on a random line bet. secs. 17 and 20. Set temp. 1 sec. cor. Intersect N. and S. line 5 lks. S. of cor. of secs.
 40.00
 80.12
                    16, 17, 20 and 21.
Thence I run
S. 89 57'W. on a true line bet. secs. 17 and 20.
                    Over gently rolling land.
                    Old road bears N.N.W. and S.S.E.

Set a limestone 18 X 6 X 6 ins., 12 ins. in the ground,
for \( \frac{1}{2} \) sec. cor., marked \( \frac{1}{2} \) on N. face and dig pits, 18 X

18 X 12 ins. W. and W. of stone, 3 ft. dist., and raise
a mound of earth, 3\( \frac{1}{2} \) ft. base, 1\( \frac{1}{2} \) ft. high, N. of cor.

Enter draw course S.
 26.70
 40.06
        MY
 73.00
                    Leave draw.
The cor. of secs. 17, 18, 19 and 20.
Land, gently rolling and level.
 78.00
 80.12
                                  gravelly loam; 2nd and 3rd rate.
                    Soil.
                    No timber.
                     West on true line bet. secs. 18 and 19.
                     Over gradually rising ground.
                     Draw 80 lks. wide course S.E.
 20.40
                   Set a limestone 18 X 8 X 6 ins., 12 ins. in the ground, for 1 sec. cor., marked 1 on N. face and dig pits, 18 X 18 X 12 ins., E. and W. of stone, 3 ft. dist., and raise a mound of earth, 31 ft. base, 11 ft. high, N. of cor. Intersect the W. bdy. line 28 lks. S. 0 10 E., of cor. of secs. 13 and 24 of T. 20 S., R. 17 E., Set a sandstone 18 X 14 X 12 ins., 12 ins. in the ground, for closing cor. of secs. 18 and 19, m arked C C on W: with 2 grooves on N. and S. faces. and raise a mound
 40.00
 79.01
                    *; with 5 grooves on N. and S. faces, and raise a mound of stone, 2 ft. base, 14 ft. high. N. of cor. Pits
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	chains	Subdiviston of T. 20. S., R. 18 E.	
,		impracticable.	
3		Land, gently rolling.	
		Soil, gravelly and stony; 3rd and 4th rate.	
		June 23. 1906.	
	e'	June 28: At 7 hAMl.mt., I set off 310 41 N. on the lat.	
		arc and 23° 20° N. on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 17,	
		10, 19 8100.303	
4		Thence I run	
		S. 0° 3' E., bet secs. 19 and 20. Along the W. side of draw.	
1	11.48	Wire fence brs. E. and W., leave side of draw course S.E.	
	TO . 40	Draw 100 1ks. wide course E.	
	40.00	Draw 160 lks. wide course E.	
	MY	Set a sandstone 18 X 8 X 6 ins., 12 ins. in the ground, for 1 sec. cor., marked 1 on W. face and raise a mound of stone	
	The second second	6 10 Dase. If It figh, W. of cor. Pits impracticable	
	44.22	Wire fence bears S W and N.E. cor. wire fe nce 40 lks. E.	
	80.00	Set a sandstone 18 X 8 X 6 ins. 12 ins. in the ground	
	٠ - (	Tor core or sees, 19, 20, 29 and 30, marked with 2	
1	M	notones on the S. and S notones on the R. faces and	
		raise a mound of stone 2 ft. base, 12 ft. high, w. of cor. Pits impracticable.	
	• • • • • • •	Land, gently rolling.	
		Soil, gravelly and stony; 3rd and 4th rate.	
	40.00	N. 89° 57'E. on a random line bet. secs. 20 and 29.	
	80.06	Set temp. 1 sec. cor. at cor. Intersect the N. and S. line of secs. 20, 21, 28 and 29.	
		I Fuelice I Fun	
1		S. 89° 57'W. on a true line bet. secs. 20 and 29.	
	25.00	Over gradually descending ground. Carrillo's ranch house, 30 chs. Since company.	
1	40.03	Set a silicate stone, 18 X 8 X 8 ing. 12 ing in the ground	
	ok	+V+TVVI = VI BOUS = MAINCOL 7 OR N. TROAL AND DIF O THE 12 M 10	
Ì		X 12 ins., E. and W. of stone, 3 ft. dist., and raise a mound of earth, 31 ft. base, 12 ft. high, N. of cor.	
-	58.00	Anter draw course S.	
	67.00	Road bears N.W. and S.E.	
		Arroyo 60 lks. wide course S.; leave draw, thence over gradually rising ground.	
	80.06,	The cor. of secs. 19, 20, 29 and 30.	
		Land, gently rolling and level.	
		Soil, Sandy and gravelly loam and stony; 2nd, 3rd and 4th rate.	
		No timber.	
		West on a true line bet. secs. 19 and 30.	
		Over gently rolling land.	,
	15.60 15.90	Enter Babocomari bottom course S.E.	
	22.31.	Enter Babocomari creek 30 lks. wide course S.E. Wire fence S. 32° 30' W.	
	29.00	Leave Babosomari bottom.	
	40.00	Set a sandstone 18 X 7 X 6 ins., 12 ins. in the ground,	
	10	12 ins. E. and W. of stone 3 ft. dist. and natice a mound	
	4775		
	47.15   62.00	Road bears N.W. and S.E. S. Miranda's house 5 chs. Well and the state of the state	
	66.00	COTTAL 4.00 CNS. Will BOMES W.	
	67.70   79.07	Wire fence bears S.W. and N.R.	
	10001	Intersect the W. bdy. line 164 lks. S. 00 9 W., of cor. of secs. 24 and 25, T. 20 S., R. 17 E.	
		SAT A GANDETONA 10 Y O Y W inc. In its in its in the	
_		closing corner of secs. 19 and 30, marked C C prothe in the corner of secs. 19 and 30, marked C C prothe in the corner of secs. 19 and 30, marked C C prothe in the corner of secs.	
	i di	and reason the sound of whole 2 fat, wase, 15 fat, 2 of cor.	
75.63			
) -1			

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chains
           and dig pits, 24 x 18 x 12 ins., crosswise on each line, and signands, 32ff; and and of each line, and raise, a mound of earth 4 ft. base, 2 ft. high, E. of cor.
            Land, gently rolling.
            Soil, sandy and gravelly loam, and stony; 2nd, 3rd and
            4th rate.
            No timber.
            June 28: At this cor. I set off 230 19'N. on the decl. arc;
            and at 12 h. 3 m., p. m., l.m.t., observe the sun on the meridian; the resulting lat. is 31 40 %
            S. 0° 3' E., bet. secs. 29 and 30. Over gently rolling land.
            Enter Babocomari creek bottom course S.E. Enter Babocomari creek 30 lks. wide course S.E.
   4.00
   5.00
            Telegraph line bears S. 700 .
 17.17
            Wire fence bears S.E. and N.W.
 17.37
            Railroad tracks bears S.F. 70°E.

Cor. of wire fence books. The State of E.

Set a limestone 18 X 8 X 7 ins., 12 ins. in the ground, for coresofsees 29 marked in the ground, a mound of stone 2 ftl base, 12 ft. high, W. of cor.
 18,22
 39.82
 40.00
  1015
            Pits impracticable.
            Road bears E.N.E. and W.N.W. Road bears E.N.E. and W.S.W.
 51,50
  59.85
            Set a limestone 18 X 8 X 8 ins., 12 ins. in the ground,
 80.00
            for cor. of secs. 29, 30, 31 and 32, marked with 1 notch on the S. and 5 notches on the E. edges, and
   M
            raise a mound of stone 2 ft. base, 12 ft. high, W. of cor.
            Pits impracticable.
            Soil, gravelly loam and stony; 2nd, 3rd and 4th rare. No timber.
            N. 89° 57' E. on a random line bet. secs. 29 and 32. Set temp. \(\frac{1}{2}\) sec. cor. Intersect N. and S. line Belkssens.of cor. of secs.
  40.00
 80.00
            28, 29, 32 and 33.
Thence I run
N. 89° 59'W, on a true line bet. secs. 29 and 32.
            Over level land.
Wire fence bears S. ... 410 E.
   4.42
            Road bears S.F. 410 E.
   6.00
             Telegraph line bears S.F., 41° E.
   8.61
            Railroad siding bears S. 41° E. Railroad tracks bears S. 41° E.
   9.09
  10.06
            Wire fence bears S.H 41° E. Babocomari creek 90 lks. wide course S.E.
  10.55
  11.50
  16.00
            Leave Babocomari creek bottom, ascending.
            For of ascent course N.W.; thence over gently rolling land
  20.00
             sloping N.
            Railroad water tank | 9 chs. Nigo course h. Elgin Station house | 9 chs. will equipe h.
  20.80
  21.50
             Road bears S.E. and N.W.
  39.70
            Set a limestone PSTX 8 X 8 ins., 12 ins. in the ground, for a sec. cor., marked 1 on N. face and dig pits, 18 X 18 X 12 ins, E. and W. of stone, 2 ft. dist., and raise a mound of earth 31 ft. base, 11 ft. high, N. of cor.
  40.00
            Road bears N.E. and S.W.
  48.20
             Windmill 30 chs. When course H.
  64.00
             Enter draw course N.E.
  76.80
             pld road bears N.E. and S.W.
  77.60
             The cor. of secs. 29, 30, 31 and 32. Land, gently rolling and level.
  80.00
             Soil, sandy and gravelly loam and stony; 2nd, 3rd and
             th rate.
             No timber.
              West on a true line bet. secs. 30 and 31.
             Over level land.
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chains 9.35. 40.00 Olic

79.30

Leave draw; thence over gently rolling land. Set a limestone 18 X 8 X 6 ins., 12 ins. in the ground, for \( \frac{1}{2} \) sec. cor., marked \( \frac{1}{2} \) on N. face and dig pits 18 X 18 X 12 ins., E. and W. of stone, 3 ft. dist, and raise a mound of earth \( \frac{3}{2} \) ft. base \( \frac{1}{2} \) ft. high, N. of cor. Intersect the W. bdy. 219 lks. S. of cor. of secs. 25 and 36 of T. 20 S., R. 17 E. previously described. Set a limestone 18 X 7 X 6 ins., \( \frac{12}{2} \) ins. in the ground, for closing cor. marked C C on E. face and 5 grooves on the N and 1 groove on the S. fidges: and diff nits. the N and 1 groove on the S. Edges; and dig pits, 22 X 18
X 12 ins. hrossylise on each line, N. and S. Sift, and
E. of stone, Tt. distripand raise a mound of earth, 4 ft. bas e
Land, gently rolling and level. 2 ft. high, E. of oor No.
Soil. Sandy and gravelly loam, 1st, 2nd and 3rd rate. Soil, Sand No timber.

S. 0° 3' E. or disc bet. secs. 31 and 32. Over level land. Old road bears N.E. and S.W.

7.30 10.00 32.00

38.66

Leave draw. Enter draw course N.E.

A JUNE

Intersect the N. bdy. line of San Ignacio del Babocomari Land Grant 302 miles cor. bears N. 880 71W., 17.09 chs. dist.

Set a sandstone 18 X 8 X 8 ins., 12 ins. in the ground for closing cor. of secs. 31 and 32 and the San Ignacio del Babocomari Land Grant, marked C C on the N and S I D B on the S faces and 5 groves on the E. and 1 groove on the W. faces and raise a mound of stone 2 ft. base, 12 ft. high, N. of cor.

Land, Gently rolling and level. Soil, rich and gravelly loam, 1st, 2nd and 3rd rate. No timber.

June 28, 1906.

General Description. This township is gently rolling in the central and western parts, while the eastern portion lies in the Mustang Mountains. The soil of the rolling part of the township is gravelly loam, covered with a good growth of grass. Oak timber is found in the mountainous sections. N.M. & A. railroad runs through the south ern part of the township. Elgin Station is in the south eastern part of Sec. 29 and Carrillo's ranch is situated near the middle of seme section. S. Miranda's ranch is in the southwestern part of section 19. The Babocomari creek flows through the southern part of the township.

U. S. Deputy Margan Surveyor.

P. Barthelenng

# FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTAN

TO SOUTH AND H	
LIST OF NAMES.	BOOK 1912
A list of the names of the individuals employed byaim	iro R. Barthelen
•	•
United States Deputy Surveyor, to assi	
arking the lines and corners described in the foregoing field notes of the s of $\mathcal{I}$ 203. $\mathcal{R}$ /8 $\mathcal{E}$ .	
owing the respective capacities in which they acted:	
Harry Mallory	ul-
Hand Walland	Chainman.
Drawy mallory	Chainman.
Louis Renau	, Moundman
	, Moundman.
L. C. Millar	, Axman.
·	, Axman.
H. B. Mille	
V. fluris	$\mathcal{Kew}$ , $Flagman$ .
FINAL CATH OF ASSISTANTS	
FINAL OATH OF ASSISTANTS.	a. Alesan
We hereby certify that we assisted Assume (United States Deput	( ´. ty Surveyor, in surveying al'
We hereby certify that we assisted assume (L.	( ´. ty Surveyor, in surveying al'
We hereby certify that we assisted fasining f. I.  United States Depute se parts or portions of the Subdivisions of \$\mathcal{T}_20\$	ty Surveyor, in surveying al
We hereby certify that we assisted fasimin f	ty Surveyor, in surveying all
We hereby certify that we assisted fasimin f	ty Surveyor, in surveying all
We hereby certify that we assisted fasining for the separts or portions of the Subdivisions of T20  Me Base and meridian, Seritory of Augusta on the foregoing field notes as having been surveyed by him and under his direction.	of the Lila 4  which are represented survey.
We hereby certify that we assisted	of the Lilla 4, which are represented eaction; and that said survey faithfully surveyed, and the
We hereby certify that we assisted	of the Lilla 4, which are represented eaction; and that said survey faithfully surveyed, and the
We hereby certify that we assisted	of the Lilla which are represented rection; and that said survey faithfully surveyed, and the the United States Surveyor
We hereby certify that we assisted	of the Lilla which are represented rection; and that said survey faithfully surveyed, and the the United States Surveyor
We hereby certify that we assisted	of the Lilla which are represented rection; and that said survey faithfully surveyed, and the the United States Surveyor
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We hereby certify that we assisted	of the Lilla 4, which are represented eaction; and that said survey faithfully surveyed, and the
We hereby certify that we assisted	of the Lila 4  of the Lila 4  which are represented the United States Surveyor  Chainman.  Mallory, Chainman.
We hereby certify that we assisted	of the Lila 3  of the Lila 3  which are represented the United States Surveyor  Cauch, Chainman.  Moundman.  Moundman.
We hereby certify that we assisted	of the Lila 3  of the Lila 3  which are represented the united States Surveyor  Cauch, Chainman.  Moundman.  Moundman.  Axman.

H. G. Power

5024

# FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

coing field notes as having been surveyed by me, and under a that all the corners of said survey have been established and fanual of Surveying Instructions, and the special written instract for and in the specific manner or going are the original field notes of such survey.  Casumer Bautheleugand sworn to this day of and the specific manner or going are the original field notes of such survey.	of the Scala Egy Sala and perpetuated in strict accordance with tructions of the United States Surveyoner described in the field notes, and the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes, and the United States Deputs Surveyoner described in the field notes are described in the field notes.
d States Surveyor General for 1906, I have reperson, and in strict conformity with the instructions fur relation of the Manual of Surveyord all those parts or portions of Such and States, surveyed all those parts or portions of Such and States, surveyed all those parts or portions of Such and Surveyord of Manual of Surveyord by me, and under a rethat all the corners of said survey have been established an Innual of Surveying Instructions, and the special written insural for and in the specific manual oregoing are the original field notes of such survey.  Surveyord  APPROVAL.  OFFICE OF THE UNITED STATES SURVEYOR The foregoing field notes of the survey of the survey of the survey of the survey of the Such and Salk Given Base at Curitary of Ary and Sa	of the Sala ag Sala and perpetuated in structions of the United States Surveyoner described in the field notes, and the laws of the perpetuated in the field notes, and the field notes, and the field notes, and the field states Deputy Surveyoner described in the field notes, and the field notes, and the field states Deputy Surveyoner described in the field notes, and the field notes are described in the field notes.
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The foregoing field notes of the survey of the substitute of the survey	tructions of the United States Survey her described in the field notes, and the states Deputy Survey to before me
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cuted by Casimiro R. Barthelemy der his contract No. 139., dated April 14"	. 1907 . having l
ler his contract No	ations made the said field notes, and
cically examined, and the necessary corrections and explana	
veys they describe, are hereby approved.	A Angalle
$\mathcal{L}/\mathcal{M}$	United States Surveyor Gene
	Chibbed Dialog Dallogor Color
I certify that the foregoing transcript of the field notes of	
has been correctly conied from	the above-described surveys in
, mas been correctly copied from	the above-described surveys in
	the above-described surveys in