Book B.

2275

BOOK 2275

FIELD NOTES

OF THE SURVEY OF THE

Outbissind lines of Ig (D. P 31 6
and
Retrocement - Resurvey of East Bundang 79, D. R31"
2275
22'75
of the Meridian,
(ligno
// AS SURVEYED BY
Surveyor,
Under his Contract No. 163; dated May 16, 19/0
Survey commenced October 18 , 19/0
Will and
Survey completed. /Lovening 16

BCOK 2275

NAMES AND DUTIES OF ASSISTANTS.

Oxis Philli	.bo	 Chain mo	
J. P. Du	/ .		
Bob Man	uel	 Flagua	
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6151			

BOOK 2275

INDEX DIAGRAM.

Township -	90	, <i>I</i>	Range .	3	16		· -
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Meanders Page

6--15

926		THS OF ASSISTANTS.
OOK 2275		$\mathcal{P}AA$
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	· ·	execute the duties of chainmen; that we will level the
-		tally pins, either by sticking or dropping the same; that ects, and the true lengths of all lines that we assist in
		accordance with instructions given us, in the survey of
	•	
7218 - T185.R23	E - TI25. R 13 E -	agmentary subdivision of T235 R248 T205
		Chainman.
		Orus Phillips, Chainman.
	2.0%	- Charlette
\bigcirc	n to before me this 26 Ca	·-}
day of	<u>e</u> , 19 / D	John Evang.
	AND THE PARTY OF T	John Orana
	EAL (*) **** **** **** **** *** *** *	Notary Jublic
337		,
,	hat we will well and truly n	erform the duties of moundmen in the establishment
- ·	· -	to the best of our skill and ability, in the survey of
	5 00 0110 111001 11001 11001 11001	or the sace of our shift daments, in the sarvey or
		, Moundman.
		, Moundman.
Subscribed and swor	n to before me this	
		··
day of	, 19) .
	<u> </u>	
(%) S.	EAL (R)	
XX	EAL (N)	***************************************
We,	EAL (**	and
· ·		
do solemnly swear th	at we will well and truly perfo	rm the duties of axmen in the establishment of corners
do solemnly swear th and other duties, acco	at we will well and truly perfo ording to instructions given us	rm the duties of axmen in the establishment of corners
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Subscribed and sword day of	n to before me this	ment the duties of axmen in the establishment of corners, to the best of our skill and ability, in the survey of
Subscribed and sworn day of I, perform the duties of survey of the sub-line R21E - T185 R231	n to before me this	, Axman. , Axman. , Axman. , do solemnly swear that I will well and truly ions given me, to the best of my skill and ability, in the E. & Fragmentary subdivision of T233.R242-T20 — T 15. Riol & T 85. Riol . British Manuel ., Flagman.
Subscribed and sworn day of I, perform the duties of survey of the sub-line R21E - T185 R231	n to before me this	m the duties of axmen in the establishment of corners s, to the best of our skill and ability, in the survey of
Subscribed and sworn day of I, perform the duties of survey of the sub-line R21E - T185 R231	n to before me this	to the best of our skill and ability, in the survey of the best of our skill and ability, in the survey of the best of our skill and ability, in the survey of the best of my skill and ability.

Retracement and resurvey of E. bdv. T. 9 S. R. 31 R.

	25 25 25 25 25 25 25 25 25 25 25 25 25 2
Chains.	October 18,1910. From the cor. of Tps. 9 and 10 S., Rs. 31 and 32 E., previously described, I run North on a random line. Bet. secs. 31 and 36.
39.58	
79.29	Fall 22 lks. E. of the cor. of secs. 25, 30, 31 and 36, a volcanic stone. 15x10x6 ins. above ground properly

North on a random line bet. secs. 25 and 30.

marked and witnessed as described by the Surveyor General.

- Fall 112 1ks. E. of the 2 sec. cor. a malpais stone, 6x7x6 ins. above ground, properly marked and witnessed as described by the Surveyor General. 40.25
- Fall 23 lks. E. of the cor. of secs. 19, 24, 25 and 30, a malpais stone, 7x5x6 ins. above ground, properly marked and witnessed as described by the Surveyor general. 80,36

North on a random line bet. secs. 19 and 24.

- Fall 112 1ks. T. of the 2 sec. cor., a malpais stone, 8x6x6 ins. above ground, properly marked and witnessed as described by the Surveyor ceneral. 40.03
- Fall 23 lks. to the E. of the cor. of secs. 13, 18, 19 and 24, a malpais stone, 7 x7x7 ins. above ground, properly marked and witnessed as described by the Surveyor General. 80.06

North on a random line bet. secs. 13 and 18.

- Fall 241 lks. to the W. of the 1 sec. cor. a malpais stone, 6x6x6 ins. above ground, properly marked and witnessed as described by the Surveyor General. 40.01
- 80.01 Fall 49 lks. to the W. of the cor. of secs. 7, 12, 13 and 18, a malpais stone, 8x6x5 ins. above ground, properly marked and witnessed as described by the Surveyor General.

North on a random line bet. secs. 7 and 12.

46.17 Fell 13 lks. E. of the 1 sec. cor. a malpais stone, 3x7x 6 ins. above ground, properly marked and witnessed as described by the Surveyor General.

80.35 Fall 27 lks. E. of the cor. of secs. 1, 6, 7 and 12, a mlapais stone, 15x8x8 ins. above ground, properly marked and witnessed as described by the Surveyor General.

As this point is 400.00 chs. even from the Cor. of Fps. 9 and 10 S., Rs. 31 and 32 E., previously described and is very nearly in its proper position as regards direction, having a total bearing of N.0.4 W. Therefore making it possible for me to close my subdivisional lines thereon, I return to the SE. cor. of the township and proceed to establish corners common to the sections of this township only along this E. bdy.

From the Cor. of Tps. 9 and 10 S., Rs. 31 and 32 E. previously described, I run

		tool grounding the tropert and or ar bent or are no sails as a column
	Chains.	North on a true line on E. bdy. of sec. 36, ascending ver rough and rocky ground.
	18.00 30.60 39.58	Top of high rocky ridge bears E. and W. Descend. Dry wash, 15 lks. wide, course NE. The 1 sec. cor., previously described. Thence N. 0.19 W. Continue old measurements.
	45.88 69.30 71.10 79.28	Foot of hill bears E. and W., thence over rolling ground. Dry Wash. 15 lks. wide. course E.
		Thence N.0°10°W. new course, but continuing old measurements.
	80.00	Set a volcanic stone, 15x8x7 ins., 10 ins. in the ground for the cor. of secs. 25 and 36, mkd. with 5 netches on the N. and 1 notch on the S.edge, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.
		Jand mountainous. Soil rocky, 4th rate. No timber. Good grass.
		N.0.10.W. on a true line on the E. bdy. of sec. 25.
	2.20 14,30 20.90 24.30 39,53	Ridge NE. and SW. Descend. Dry wash, 2 chs. wide, course NE. ascend. Top of mesa, NE. and SW.
•	40.00	for the 1 sec. cor. for secs. 25 mkd. 1 on W. face and raise a mound of stone, 2 ft. base, 11 ft. high, West.
•	51.80 52.10 77.58 79.58	Demcend. Dry wash, course E. Leave dry wash and ascend abruptly 40 feet. Enter greasewood. Leave greasewood, bears E. and W. The Old corner of secs. 19, 24, 25 and 30, previously described.
	80.00	Set a malpais sto ne, 16x12x6 ins., 10 ins. in the ground for the corner ocmmon to secs. 24 and 25, mkd. with 2 notches on the S. and 4notches on the N. edge, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.
	i de la constanta de la consta	Oct. 18th: - At this cor. I set off 9.29 S. on the decl. arc, and at 11h 45m. a. m., 1. m. t., obs. the sun on the mer., the resulting lat. is 32.37. N
		Land rolling. Soil 3rd rate. No timber. Greasewood brush along a part of the line.
		N.0°10'W. on a true line on the E. bdy. of sec. 24,
	5.60 17.60 20.60 33.60	Enter draw, course E. Leave draw, commence steep ascent. Top bears E. and W. Enter greasewood brush, bears E. and W. Descend

Chains.	
---------	--

- Leave greasewood brush, bears E. and W. The old # sec. cor., previously described.
- 40.00 This point falls in center of Dry wash, 40 lks. wide, course E.
- Set a malpais stone, 15x15x5 ins., 10 ins. in the ground for the witness corner of the 4 sec. cor., for sec. 24, mkd. WC4 on W. and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. 40.35

47.00 Ridge bears E. and W. Descend. Dry wash, 20 lks. wide, course SE.

53.00 Ascend.

Ridge bears E. and W., descend.
Dry wash, 15 lks. wide, course NW., Thence over leground, bears E. and Wly.
The old cor. of secs. 13, 18, 19 and 24, previously 57.55 70.45 Thence over level

79.64 described.

Thence N. 0.21'E. continuing same measurements.

Set a malpais sto ne, 15x7x7 ins., 10 ins. in the ground for the cor. of secs. 13 and 24, mkd. with 3 notches on the N. and S. edges and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor. 80.00

> Land rolling Soil 3rd rate. No timber.

N.0°21'E. on a true line on the E. bdy. of sec. 13.

Top of ridge bears E. and W. Des Foot of ridge bears E. and W. Dry wash, 40 lks. wide, course NE. Dry wash, 40 lks. wide, course NE. Dry wash, 25 lks. wide, course NE. Dry wash, 25 lks. wide, course E. Road bears NE. and SW. Ascend. Descend.

2.25 9.15 12.94

15.40 17.60 31.15

31.1p 37.60

39.65 The old + sec. cor., previously described.

Set a malpais stone, 15x9x9 ins., 10 ins. in the ground for the i sec. cor., common only to sec. 13, mkd. † On W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. 40.00

43.65 50.65 59.65 72.44 74.64 Ascend little ridge, Top bears E. and W.

Descend.

Dry wash, 15 lks. wide, course NE.; ascend. Enter level ground, bears NE. and SW. The old cor. of secs. 7, 12, 13 and 18, previously 79.65 described.

Thence N.0°12'W. continuing same measurements.

Set a malpais stone, 15x9x6 ins., 10 ins. in the ground for the corner of secs. 12 and 13, mkd. with 2 notches on the N. and 4 notches on the S.edges and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor. 80.00

> Soil 3rd rate. Land rolling. Good grass.

Oct. 18th: - At 3h, p. m., l. m. t., I set off 9°32'S. on the decl. arc, and 57°21' on the co-lat. arc,

Refurvey and Retracement of a part of the E. bdy. T.9 S., R. 31 E.

Ascending.

N.0°12°W. on a true line on the E. bdy. sec. 12.
Ascending.

Ridge bears E. and W. Descend.
Enter level ground, bears E. and W.

39.822 Old 1 sec. cor., previously described.
Set a malpais stone, 15x10x6 ins., 10 ins. in the ground for the 1 sec. cor. sec. 12, mkd. 1 on W face, and raise a mound of stone, 2 ft.base, 11 ft. high, W. of cor.

80.00 The cor. of secs. 1, 6, 7 and 12, previously described.
Jand level. Soil 3rd rate. No timber.

Oct. 18th, 1910.

As original cors. along this line were all withessed by mounds no change in markings was necessary.

Subdivisional Lines of T. 9 S., R. 31 E.

Chains. For test of instrument see Book "A"-bdre I.9 S.R.31 Excessively From the cor. of sees. 1, 2, 35 and 36, or 5 bdy of 15 described, I run N. 0e5'W. bet. secs. 35 and 36. pescending. Arroyo, 25 lks. wide, course W. Ascend. Rocky point, W. side, pescend. 40.00 Set a malpais stone, lfx10x8 ins., 10 ins. in the ground for the *sec, cor., mkd. *t on W face, and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor. Arroyo, 75 lks. wide course E. Ascend fet a malpais stone, 20x15x8 ins., partly in the ground and in mound of stone, on rocky ground, for the cor. of secs. 25, 26, 35 and 36, mkd. with I noth on the S. and E. odges, and raise a mound of stone, 2 ft. base, 1 ft. high W. of cor. Intend mountainous and exceptionally difficult to survey bil 4th rate. Grass good. Oct. 19th: Atlin.45m.a. m., 1. m. t., I set off 9.51 ft. on the decl. arc, and at this cor. obs. the sun on the mer., the resulting lat is 32.36.1. Rest on a random lime bet. secs. 25 and 36. Set a term, i sec. cor. Intersect the E. bdy, of the tp. at the cor. of secs. 25 and 36. Arroyo, 50 lks. wide, course NE. Set a malpais stone, lfx5x5 ins., 10 ins. in the ground for the issec, cor. mkd. i on N. face, and raise a mound of stone, 2 ft. base, 1 ft. high, N. of cor 79.82 The car. of secs. 25, 26, 35 and 36. Set a malpais stone is 25 and 26, over rolling ground. The cor. of secs. 25 and 36. 20.19th: At 3h, p. m., 1. m. t., I set off 9.54'S. on the decl. arc, 5'e24' on the co-lat. arc and determine a mer. with the solar at this cor. N.0.5'W. bet. secs. 25 and 26, over rolling ground. Very rocky. 13.00 Wash, 50 lks. wide, course E. Set a malpais stone, lfx10x6 ins., 10 ins. in the ground for the eac. or, sid. in the ground for the eac. of secs. 25, 24, 25 and 26, mkd. with 1 noth on the E. and 2 notches on the S. edge, and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor.			Casarrada Bridge of 1. J. De J. Re. Of De
Arroyo, 25 lks. wide, course W. Ascend. Arroyo, 25 lks. wide, pescend. Ascend. Arroyo, 25 lks. wide, pescend. Set a malpais stone, lkxlok ins., 10 ins. in the ground for the t sec. cor., mkd. ton W face, and raise a mound of stone, 2 ft. base, lt ft. high, W. of cor. Arroyo, 75 lks. wide, course E. Ascend Arroyo, 75 lks. wide, course E. Ascend sin mound of stone, 2 cxlcxs ins. partly in the ground and in mound of stone, 2 cxlcxs ins. partly in the ground and in mound of stone, 2 cxlcxs in the sec. cor. of secs. 25, 26, 36 and 36, mkd. with 1 notch on the S. and edges, and raise a mound of stone, 2 ft. base, lt ft. high W. of cor. Land mountainous and exceptionally difficult to survey mountainous and exceptionally difficult to survey mountainous and exceptionally difficult to survey. Boil 4th rate Grass good. Oct. 19th: Atllh.45m.a .m. l. m. t. I set off 9.51th on the decl. arc, and at this cor. obs. the sun on the mer. the resulting lat is 32.05. East on a random lime bet. secs. 25 and 36. Set a temp, t sec. cor. the tp. at the cor. of secs. 25 and 36, previously described Thence I run, West on a true line bet. secs. 25 and 36. 34.60 35.91 Arroyo, 50 lks. wide, course NE. Set a malpias stone, lkxdx ins., 10 ins. in the ground for the tesc. cor., mkd. ton N. face, and raise a mound of stone, 2 ft. base, lt ft. high, N. of cor The car. of secs. 25, 26, 35 and 36. Land rolling. Soil 2nd rate. No timber. Good grass. Oct. 19th: At 3h, p. m., l. m. t., I set off 9.54'S. on the decl. arc, 57.924' on the colat. arc and determine a mer. with the solar at this cor. N.0e5'W. bet. secs. 25 and 26, over rolling ground. very rocky. Oct. 19th, 1910. Arroyo, 75 lks. wide, course E. Set a malpais stome lfxlox6 ins., 10 ins. in the ground for the tesc. cor., mkd. ton face, and raise a mound of stone, 2 ft. base, lt ft. high, W. of cor. Oct. 19th, 1910.		Chains.	For test of instrument see Book "A"-bdrs T.9 S.R.31 E. previously From the cor. of secs. 1, 2, 35 and 36 on S.Bdy of Tp. described, I run N. 0.5 W. bet. secs. 35 and 36.
10.00 Rocky point, W. side, pescend. 40.00 Set a malpais stone, 1&x10x8 ins., 10 ins. in the ground for the f sec. cor., mkd. f on W face, and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, W. of cor. 50.00 Arroyo, 75 lks. wide, course E. Ascend Set a malpais stone, 2x16x8 ins., partly in the ground and in mound of stone, on rocky ground, for the cor. of secs. 25, 25, 35 and 36, mkd. with 1 noth on the S. and E. Seiges, and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high W. of cor. Land mountainous and exceptionally difficult to survey Soil 4th rate Grass good. Oct. 19th: Atl1h.45m.a. m., 1. m. t., I set off 9e51\frac{1}{2} \cdot on the decl. arc, and at this cor. obs. the sun on the mer., the resulting lat is 32e36. East on a random lime bet. secs. 25 and 36. Set a temp, f sec. cor. and at this cor. of secs. 25 and 36, previously described Thence I run, West on a true line bet. secs. 25 and 36. 34.80 Arroyo, 50 lks. wide, course NE. Set a malpias stone, 15x6x6 ins., 10 ins. in the ground for the f sec. cor., mkd. f on N. face, and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, N. of cor 79.82 The car. of secs. 25, 26, 35 and 36. Land rolling. Soil 2nd rate. No timber. Good grass. Oct. 19th: At 3h, p. m., 1. m. t., I set off 9e54'S. on the decl. arc, 57e24' on the colat. arc and determine a mer. with the solar at this cor. N.0e5'W. bet. secs. 25 and 26, over rolling ground. very rocky. Wash, 50 lks. wide, course E. Set a malpais stone, 15x10x6 ins., 10 ins. in the ground for the f sec. cor., mkd. 4 on N face, and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, W. of cor. Oct. 19th, 1910. 72.00 Arroyo, 75 lks. wide, course E. Set a malpais stome fix10x6 ins., 10 ins. in the ground for the cor. of secs. 23, 24, 25 and 26, mkd. with 1 notth on the E. and 2 notches on the S. edge, and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, W. of cor. Tand rolling. Soil 2nd rate. No timber. Tand rolling. Soil 2nd rate. No timber.			Descending.
50.00 80.00 8rroyo, 75 lks. wide, course E. Ascend Set a malpais stone, 20x15x8 ins. pertly in the ground and in mound of stone, on rocky ground, for the cor. of secs. 25, 26, 35 and 36, mkd. with 1 notch on the S. and E. sdges, and raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor. Land mountainous and exceptionally difficult to survey Soil 4th rate. Grass good. Oct. 19th:— At 11h.45m.a. m., 1. m. t., I set off on the mer., the resulting lat is 32°36'.N Rast on a random lime bet. secs. 25 and 36. Set a temp ¼ sec. cor. Thence I run, West on a true line bet. secs. 25 and 36. 34.80 Arroyo, 50 lks. wide, course NE. Set a malpias stone, 15x16x6 ins., 10 ins. in the ground for the ½ sec. cor., mkd. ½ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor 79.82 The car. of secs. 25, 26, 35 and 36. ½ and rolling. Soil 2nd rate. No timber. Good grass. Oct. 19th:— At 3h, p. m., 1. m. t., I set off 9°54'S. on the decl. arc, 57°24' on the co-lat. arc and determine a mer. with the solar at this cor. N.0°5'W. bet. secs. 25 and 26, over rolling ground. very rocky. 13.00 40.00 Arroyo, 75 lks. wide, course E. Set a malpais stone, 15x10x6 ins., 10 ins. in the ground for the jec. cor., mkd. ½ on W face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Oct. 19th, 1910. Arroyo, 75 lks. wide, course E. Set a malpais stome 15x10x6 ins., 10 ins. in the ground for the cor. of secs. 23, 24, 25 and 26, mkd. with 1 noth on the E. and 2 notches on the S. edge, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. yand rolling. Soil 2nd gate, No timber.			Arroyo, 25 lks. wide, course W. Ascend. Rocky point, W. side, Descend.
Set a malpais stone, 20x16x8 ins., partly in the ground and in mound of stone, on rocky ground, for the cor. of secs. 25, 26, 35 and 36, mkd. with 1 notch on the S. and E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor. Lend mountainous and exceptionally difficult to survey Soil 4th rate. Grass good. Oct. 19th:— Atl1h.45m.a. m., 1. m. t., I set off 9e51½ on the decl. arc, and at this cor. obs. the sun on the mer., the resulting lat is 32°36′.N East on a random lime bet. secs. 25 and 36. Set a temp. ½ sec. cor. Intersect the E. ady.of the tp. at the cor. of secs. 25 and 36. 34.80 Arroyo, 50 lks. wide, course NE. Set a malpias stone, 15x6x6 ins., 10 ins. in the ground for the ½ sec. cor., mkd. ½ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor 79.82 The cor. of secs. 25, 26, 35 and 36. ½ and rolling. Soil 2nd rate. No timber. Good grass. Oct. 19th:— At 3h, p. m. 1. m. t., I set off 9e54'S. on the decl. arc, 57°24' on the co-lat. arc and determine a mer. with the solar at this cor. N.0°5'W. bet. secs. 25 and 26, over rolling ground. very rocky. 13.00 Wash, 50 lks. wide, course E. Set a malpais stone, 15x10x6 ins., 10 ins. in the ground for the ½ sec. cor., mkd. ¼ on W face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Oct. 19th, 1910. Arroyo, 75 lks. wide, course E. Sot a malpais stone 15x10x6 ins., 10 ins. in the ground for the 2 sec. cor., mkd. ¼ on W face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Oct. 19th, 1910.		40.00	Set a malpais stone, 15x10x8 ins., 10 ins. in the ground for the ½ sec. cor., mkd. ½ on W face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Survey Oct. 19th: - Atlih.45m.a. m., l. m. t., I set off 9.51½ on the decl. arc, and at this cor. obs. the sun on the mer., the resulting lat is 32.056 N East on a random lime bet. secs. 25 and 36. Set a temp. 1 sec. cor. Intersect the E. ady. of the tp. at the cor. of secs. 25 and 36, previously described Thence I run, West on a true line bet. secs. 25 and 36. 34.80 37.91 Set a malpias stone, 15x8x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor 79.82 The car. of secs. 25, 26, 35 and 36. Land rolling. Soil 2nd rate. No timber. Good grass. Oct. 19th: - At 3h, p. m. l. m. t., I set off 9.54'S, on the decl. arc, 57.24' on the co-lat. arc and determine a mer. with the solar at this cor. N.0.5'W. bet. secs. 25 and 26, over rolling ground. very rocky. Wash, 50 lks. wide, course E. Set a malpais stone, 15x10x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Oct. 19th, 1910. 72.00 Arroyo, 75 lks. wide, course E. Set a malpais stome 15x10x6 ins., 10 ins. in the ground for the cor. of secs. 23, 24, 25 and 26, mkd. with 1 notch on the E. and 2 notches on the S. edge, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. yand rolling. Soil 2nd zate. No timber.			Set a malpais stone, 20x15x8 ins., partly in the ground and in mound of stone, on rocky ground, for the cor. of secs. 25, 26, 35 and 36, mkd. with 1 notch on the S. and E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
Oct. 19th: - Atlin.45m.a. m., l. m. t., I set off 9.51 \$\frac{1}{2}\$ on the decl. arc, and at this cor. obs. the sun on the mer., the resulting lat is 32.35 \$\frac{1}{2}\$. N East on a random lime bet. secs. 25 and 36. Set a temp. \(\frac{1}{2}\) sec. cor. Intersect the E. edy. of the tp. at the cor. of secs. 25 and 36, previously described Thence I run, West on a true line bet. secs. 25 and 36. 34.80 Arroyo, 50 lks. wide, course NE. Set a malpias stone, 15x6x6 ins., 10 ins. in the ground for the \(\frac{1}{2}\) sec. cor., mkd. \(\frac{1}{2}\) on N. face, and raise a mound of stone, 2 ft. base, 1\(\frac{1}{2}\) ft. high, N. of cor 79.82 The car. of secs. 25, 26, 35 and 36. Land rolling. Soil 2nd rate. No timber. Good grass. Oct. 19th: - At 3h, p. m. l. m. t., I set off 9.54 \$\frac{1}{2}\) on the decl. arc, 57.24 on the co-lat. arc and determine a mer. with the solar at this cor. N.0.5 \$\frac{1}{2}\) bet. secs. 25 and 26, over rolling ground. Very rocky. 13.00 Wash, 50 lks. wide, course E. Set a malpais stone, 15x10x6 ins., 10 ins. in the ground for the \$\frac{1}{2}\) sec. cor., mkd. \$\frac{1}{2}\) on Wase, 50 lks. wide, course E. Set a malpais stone, 15x10x6 ins., 10 ins. in the ground for the \$\frac{1}{2}\) secs. 23, 24, 25 and 26, mkd. with 1 noteh on the E. and 2 notches on the S. edge, and raise a mound of stone, 2 ft. base, 1\(\frac{1}{2}\) ft. high, W. of cor. Tand rolling. Soil 2nd gate. No timber.			survey
40.00 79.82 Set a temp, \$\frac{1}{2}\$ sec. cor. Intersect the E. bdy.of the tp. at the cor. of secs. 25 and 36, previously described Thence I run, West on a true line bet. secs. 25 and 36. 34.80 Arroyo, 50 lks. wide, course NE. Set a malpias stone, 15x6x6 ins., 10 ins. in the ground for the \$\frac{1}{2}\$ sec. cor., mkd. \$\frac{1}{2}\$ on N. face, and raise a mound of stone, 2 ft. base, 1\$\frac{1}{2}\$ ft. high, N. of cor 79.82 The car. of secs. 25, 26, 35 and 36.			Oct. 19th: - Atiin.45m.a. m., l. m. t., I set off 9.512.5 on the decl. arc. and at this cor. obs. the sun
40.00 79.82 Set a temp, \$\frac{1}{2}\$ sec. cor. Intersect the E. bdy.of the tp. at the cor. of secs. 25 and 36, previously described Thence I run, West on a true line bet. secs. 25 and 36. 34.80 Arroyo, 50 lks. wide, course NE. Set a malpias stone, 15x6x6 ins., 10 ins. in the ground for the \$\frac{1}{2}\$ sec. cor., mkd. \$\frac{1}{2}\$ on N. face, and raise a mound of stone, 2 ft. base, 1\$\frac{1}{2}\$ ft. high, N. of cor 79.82 The car. of secs. 25, 26, 35 and 36.	-		CES CON SUT OF SUT
36. 34.80 Arroyo, 50 lks. wide, course NE. Set a malpias stone, 15x8x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 11 ft. high, N. of cor 79.82 The car. of secs. 25, 26, 35 and 36. 1			Set a temp. 1 sec. cor. Intersect the E. bdy. of the tp. at the cor. of secs. 25
The cor. of secs. 25, 26, 35 and 36. Land rolling. Soil 2nd rate. No timber. Good grass. Oct. 19th: — At 3h, p. m., l. m. t., I set off 9.54. S. on the decl. arc, 57.24 on the co-lat. arc and determine a mer. with the solar at this cor. N.0.5. W. bet. secs. 25 and 26, over rolling ground. Very rocky. 13.00 Wash, 50 lks. wide, course E. Set a malpais stone, 15x10x8 ins., 10 ins. in the ground for the i sec. cor., mkd. in of stone, 2 ft. base, 1 ft. high, W. of cor. Oct. 19th, 1910. 72.00 Arroyo, 75 lks. wide, course E. Set a malpais stone 15x10x6 ins., 10 ins. in the ground for the cor. of secs. 23, 24, 25 and 26, mkd. with 1 noteh on the E. and 2 notches on the S. edge, and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor. Jand rolling. Soil 2nd gate. No timber.			Thence I run, West on a true line bet. secs. 25 and 36.
Oct. 19th:— At 3h, p. m., l. m. t., I set off 9°54°S. on the decl. arc, 57°24° on the co-lat. arc and determine a mer. with the solar at this cor. N.0°5°W. bet. secs. 25 and 26, over rolling ground. Very rocky. Wash, 50 lks. wide, course E. Set a malpais stone, 15x10x8 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Oct. 19th, 1910. 72.00 Arroyo, 75 lks. wide, course E. 80.00 Set a malpais stome 15x10x6 ins., 10 ins. in the ground for the cor. of secs. 23, 24, 25 and 26, mkd. with 1 notth on the E. and 2 notches on the S. edge, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Tand rolling. Soil 2nd rate. No timber.	A CONTRACTOR OF STREET, SALES OF STREET,	34.80 59,91	Arroyo, 50 lks. wide, course NE. Set a malpias stone, 15x8x6 ins., 10 ins. in the ground for the 4 sec. cor., mkd. 4 on N. face, and raise a mound of stone, 2 ft. base, 12 ft. high, N. of cor
Oct. 19th:— At 3h, p. m., l. m. t., I set off 9°54°S. on the decl. arc, 57°24° on the co-lat. arc and determine a mer. with the solar at this cor. N.0°5°W. bet. secs. 25 and 26, over rolling ground. very rocky. 13.00 Wash, 50 lks. wide, course E. Set a malpais stone, 15x10x8 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W face, and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor. Oct. 19th, 1910. 72.00 Arroyo, 75 lks. wide, course E. 80.00 Set a malpais stone 15x10x6 ins., 10 ins. in the ground for the cor. of secs. 23, 24, 25 and 26, mkd. with 1 notth on the E. and 2 notches on the S. edge, and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor. Tand rolling. Soil 2nd zate. No timber.		79.82	The cor. of secs. 25, 26, 35 and 36. Land rolling. Soil 2nd rate. No timber. Good grass.
Very rocky. 13.00 40.00 Wash, 50 lks. wide, course E. Set a malpais stone, 15x10x8 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W face, and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor. Oct. 19th, 1910. 72.00 Arroyo, 75 lks. wide, course E. 80.00 Set a malpais store 15x10x6 ins., 10 ins. in the ground for the cor. of secs. 23, 24, 25 and 26, mkd. with 1 notch on the E. and 2 notches on the S. edge, and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor. Tand rolling. Soil 2nd zate. No timber.	Section of the sectio		Oct. 19th: At 3h, p. m., l. m. t., I set off 9.54'S, on the decl. arc. 57.24' on the co-lat. arc and
of stone, 2 ft. base, 1 ft. high, w. of cor. Oct. 19th, 1910. 72.00 Arroyo, 75 lks. wide, course E. 80.00 Set a malpais store 15x10x6 ins., 10 ins. in the ground for the cor. of secs. 23, 24, 25 and 26, mkd. with 1 notch on the E. and 2 notches on the S. edge, and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor. Tand rolling. Soil 2nd mate. No timber.			N.0.5.W. bet. secs. 25 and 26, over rolling ground. very rocky.
72.00 Arroyo, 75 lks. wide, course E. 80.00 Set a malpais stors 15x10x6 ins., 10 ins. in the ground for the cor. of secs. 23, 24, 25 and 26, mkd. with 1 notch on the E. and 2 notches on the S. edge, and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor. Tand rolling. Soil 2nd mate. No timber.			Wash, 50 lks. wide, course E. Set a malpais stone, 15x10x8 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W face, and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor.
Set a malpais store 15x10x6 ins., 10 ins. in the ground for the cor. of secs. 23, 24, 25 and 26, mkd. with 1 notch on the E. and 2 notches on the S. edge, and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor. Tand rolling. Soil 2nd mate. No timber.			Oct. 19th, 1910.
of stone, 2 ft. base, 15 ft. high, w. of cor. Tand rolling. Soil 2nd rate. No timber.		72.00	Arroyo, 75 lks. wide, course E.
		80.00	Jand rolling. Soil 2nd mate. No timber.

70	6.	

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6	800K 52	Subdivisional Lines of T. 9 S., R. 31 E.
7	hains.	East on a random line bet. secs. 24 and 25.
	40.00 79.96	Set a temp. \(\frac{1}{4}\) sec. cor. Intersect the E. bdy. of the township at a point 3 lks. S. of the cor. of secs. 24 and 25, previously described,
		Oct. 20th: At this cor. I set off 10.13.5 on the decl. arc and at 11h.45m.a. m., 1. m. t., obs. the sun on the mer., the rsulting lat. is 32.37. N
		Thence I run S.89.59 W. on a the line bet. secs. 24 and 25.
	39.9 8	Set a malpais stone, 16x7x7 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 1; ft. high, N. of cor.
	64.00	Arroyo, 75 lks. wide, course NE.
	79.96	The cor. of secs. 23, 24, 25 and 26, Land rolling. Soil 2nd rate. No timber. Good grass.
		N.0.5 W. bet. secs. 23 and 24 over rolling ground.
	19.00	
	40.00	Set a malpais stone, 16x12x12 ins., 10 ins. in the ground for the sec. cor., mkd. 4 on W. face, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.
	80.00	Set a malpais stone, 16x8x6 ins., 10 ins. in the ground for the cor. of secs. 13, 14 23 and 24, mkd. with 3 notches on the S. and 1 notch on the E.edge, and raise a mound of stone, 2ft. base, 1; ft. high, W. of cor.
		Oct. 20th: At 3h, p. m., l. m. t., I set off 10°15½'S. on the decl. arc, 57°22' on the co-lat. arc, and determine a mer. with the solar at this cor.
		Land rolling. Soil 2nd rate. No timber.
		N.89.59 E. on a random line bet. secs. 13 and 24.
	40.00 79.79	Set a memp. 1 sec. cor. Intersect the E. bdy. of the tp. at a point 5 lks. N. of the cor. of secs. 13 and 24, previously described.
•	-	Thence I run N. 89.59 W. on a true line bet. secs. 13 and 24 over rolling ground.
	1	Arroyo, 50 lks. wide, course NE.
	39.89	Set a malpais stone, 15x9x6 ins., 10 ins. in the ground for the 1 sed. cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 11 ft. high, N. of cor.
	45.00	Arroyo, 15 lks. wide, course S.60°E.
	79.79	The cor. of secs. 13, 14, 23 and 24. Land rolling. Soil 3rd rate. No tim ber. Good grass.
•		Oct. 20th, 1910.

Subdivisional Lines of T. 9 S., R. 31 E.

The second secon	cubulivisional Lines of 1, 5 S., R. Si R.
Chains.	N.0°5'W. bet. secs. 13 and 14 over rolling ground.
40.00	Set a malpais stone, 14x7x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W face, and raise a mound of stone, 2 ft. base, 1; ft. high, W of cor.
60.00	Arroyo, 50 lks. wide, course NEly.
80.00	Set a malpais stone, 14x8x6 ins., 10 ins. in the ground for the cor. of secs. 11, 12, 13 and 14, mkd. with 4 notches on the S. and 1 notch on the E. edge, and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor.
	Land rolling. Soil 2nd rate. No timber. Good grass.
	S.89°59'E. on a random line bet. secs. 12 and 13,
40.00 80.29	Set a temp. 1 sec. cor. Intersect the E. bdy. of the township at a point 3 lks. N. of the cor. common to secs. 12 and 13, previously described.
	Thence I run, N.89.58 W. on a true line bet. secs. 12 and 13.
41.15	Set a malpais stone, 14x7x7 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 12 ft. high, N. of cor. Arroyo, 501ks. wide, course NE.
00.25	Arroyo, 501ks. wide, course NE. The cor. of secs. 11, 12, 13 and 14. Land rolling. Soil 2nd rate. No timber. Good grass.
	Oct. 21st:-At this cor. I set off 10°34½'S. on the decl. arc, and at 11h.45m, a. m., 1. m. t., I obs. the sun on the mer., the resulting lat. is 32°39'N
	N.0.5'W. bet. secs. 11 and 12 over rolling ground.
40.00	Set a malpais stone, 12x7x6 ins., 8 ins. in the ground for the i sec. cor., mkd. if on W. face, and raise a mound of stone, 2 ft. base, 1; ft. high, W. of cor.
	oct. 21st:- At 4h, p. m., l. m. t., I set off: 10°37'S on the dec 1. arc, 57°21' on the co-lat. arc and determine a mer. with the solar at this cor.
80.00	Set a malpais stone, 15x8x7 ins., 10 ins. in the ground for the cor. of secs. 1, 2, 11 and 12, mkd. 5 nothces on the S. and 1 notch on the E. edge, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. Land rolling. coil 2nd rate. Good grass. Oct. 21st, 1910.
40.00 80.2 8	S.89.58 E. on a random line bet. secs. 1 and 12. Set a temp. 2 sec. cor. Intersect the E. bdy. of the township at a point 5 lks. S. of the cor. of secs. 1, 6, 7 and 12; previously described. Thence I ru n West on a true line bet. sees. 1 and 12 over rolling ground.
40.14	Set a malpais stone, 15x6x6 ins., 10 ins. in the ground for the # sec. cor.; mkd. # on N. face, and raise a mound of stone, 2 ft. base, 1; ft. high, N. of cor.

Subdivisional Lines of T. 9 S., R. 21 E.

	Subdivisional Lines of T. 9 S., R. 21 E.
Chains.	
80.28	Intersect the cor. of secs. 1, 2, 11 and 12. Tand rolling. Soil 2nd rate.
	Oct. 22nd: - At this cor. I set off 10.56.8 on the decl. arc, and at 11h.45m. a. m., 1. m. t., obs. the sun on the mer., the resulting lat. is 32.40.
	Thence I run N.0.5 W. on a random line bet. secs. 1 and 2
40.00 79.9 6	Set a temp. 1 sec. cor. Intersect the N. bdy. of the township at a point 3 lks. E. of the cor. of secs. 1, 2, 35 and 36, previously described.
	Oct 22nd: - At 3h, p. m., l. m. t. I set off 10.58'S. on the decl. arc, and 57.19' on the co-lat. arc and determine a mer. with the solar at this cor.
	Thence I run, S.0.6'E. bet. secs. 1 and 2. On a true line over rolling ground.
39.96	Set a malpais stone, 14x7x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W. face, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.
79.96	The cor. of secs. 1, 2, 11 and 12.
	, and rolling. Soil 2nd rate. No timber.
	Oct. 22nd, 1910.
	From the cor. of secs. 34, 35, 2 and 3 on the S. bdy. of the township, previously described, I run N.0.5 W. bet. secs. 34 and 35, descending over rough and rocky ground.
30.00 40.00	Foot of descent, enter valley, bears NW. and SE. Set a malpais stone, 15x6x6 ins., 10 ins. in the ground for the 4 sec. cor., mkd. 4 on W. face, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.
79.25	Arroyo, 50 lks. wide, course S.80°E. Steep ascent.
80.00	Set a malpais stone, 15x8x6 ins., 10 ins. in the ground for the cor. of secs. 26, 27, 34 and 35, mkd. with 1 notch on the S and 2 notches on the E. edge and raise a mound of stone, 2 ft. base, 1½ ft. high, W of cor.
	Land mountainous and exceptionally difficult to survey.
	Soil 4th rate. Good grass.
	Thence I run East on a random line bet secs. 26 and 35.
40.00	Set temp. 1 sec. cor. Oct. 24th: - At this cor. I set off 11.38'S. on the decl. arc, and at 11h.44m.a. m., 1. m. t., I obs. the sun on the mer., the resulting lat. is 32.36'. N
79.98	Intersect the N. and S. line at a point 3 lks., S. of the cor. of secs. 25, 25, 35 and 36.
	Thence I run S.89°59'W. on a true line bet. secs.

chains. 26 and 35. Arroyo, 15 lks. wide, course N.80°E.

Set a malpais stone, 15x6x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. ‡ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

The cor. of wecs. 26, 27, 34 and 35. 20.00 39.99

> Land mountainous. Soil 3rd rate. No timber. Good grass.

N.005 W. bet. secs. 26 and 27, ascending over very steep and rocky ground.

Set a malpais stone, 15x8x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W. face, and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor. 40.00

42.00 45.00 75.00

79.98

Top of ridge bears NW. and SE.

Descend, very steep and rocky.

Foot of descent, bears NW. and SE.

Arroyo, 50 lks. wide, course SE.

Set a malpais stone, 15x9x7 ins., 10 ins. in the ground for the cor. of secs. 22, 23, 26 and 27, mkd. with 2 notches on the S. and E. edges and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. 80.00

> Land Mountainous. Soil 3rd rate. No timber. Good grass.

Oct. 24th:- At 3h, p. m., l. m. t., I set off
11.40 S on the deel... arc, 57.23 on the co-lat. arc and
determine a mer. with the solar at this cor.
Oct. 24th, 1910.

N.89.59 E. on a random line bet. secs. 23 and

Set a temp. 1 sec. cor. Intersect the N. and S. line at a point 7 lks. N. of the cor. of secs. 23, 24, 25 and 26. 40.00 79.88

Thence I run, N.89.58 W. on a true line bet. secs. 23 and 26, over mountainous land.

Ascending over rocky ground, gradually.

Set a malpais stone, 15x6x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on N face, and raise a mound of stone, 2 ft base, 11 ft. high, N. of cor. 39.94

79.88 The. cor. of secs. 23, 22, 26 and 27.

Land mountainous. Soil rocky, 4th rate. Good grass.
Oct. 25th:- At this cor., I set off 11.59% on the Decl. arc, and at 11h.44m, a. m., 1. m. t., I obs. the sun on the mer., the resulting lat. is 32.37'N

No 0.5 W. bet. secs. 22 and 23.

Set a malpais stone, 12x7x6 ins., 8 ins. in the ground for the 1 sec. cor., mkd. 1 on W. face, and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor. 40.00

Oct. 25th: - At 4h, p. m., l. m. t., I set off 12012'S. on the decl. arc, 57°22' on the co-lat. arc and determine a mer. with the solar at this cor.

80.00 Set a malpais stone, 15x8x5 ins., 10 ins. in the ground

Subdivisional Lines of T. 9 S. R. 31 E.

Chains.	for the cor. of secs. 14, 15, 22 and 23, mkd. with 3 notches on the S. and 2 notches on the E edge, and raise a mound of stone, 2 ft. base, 11 ft. high, W of cor. Land mountainous. Soil 4th rate. Good grass. Oct. 25th, 1910.						
	E. 89.58 E. on a random line bet. secs. 14 and 23.						
40.00 79.60							
	Thence I run, West on a true line bet. secs. 14 and 23. Over rocky ground.						
39. 80	Set a malpais stone, 12x7x6 ins., 8 ins. in the ground for the i sec. cor., mkd. i on N face, and raise a mound of stone, 2 ft. base, lift. high, N. of cor.						
79.60	The cor. of secs. 14, 15, 22 and 23.						
	Land rocky and semi mountainous. Good grass. Rocky soil.						
i	N.0.5.W. bet. secs. 14 and 15 over rollig ground.						
3.00 38.00 40.00	Arroyo, 20 lks. wide, course SE Set a malpais stone, 15x7x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W face, and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor. Oct. 26th: At this cor., I set off 1201918. on the decl. arc, and at 11h.44m.a. m., 1. m. t. I obs the sun on the mer., the resulting lat. is 32039 N						
80.00	O Set a malpais stone, 15x8x8 ins., 10 ins. in the ground, on the North side of a little hill, mkd. with 4 notches on the S. and 2 notches on the E. edge, for the cor. of secs. 10, 11, 14 and 15, and raise a mound of stone, 2 ftbase, 1½ ft. high, W. of cor. Land rolling. Soil 3rd rate. No timber. Good grass.						
40.00 79.80							
	Thence I run, \$.89.58 W. bet. secs. 11 and 14 over rooling ground.						
39.90	Set a malpais stone, $12x10x5$ ins., 8 ins. in the ground for the $\frac{1}{2}$ sec. cor., mkd. $\frac{1}{2}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.						
e e • Seriue	Oct. 26th: - At 3h, p. m., l. m. t., I set off 12°22'S. on the decl. arc, and 57°21' on the co-lat. arc and determine a mer. with the solar at this cor.						
79.80	The cor. of secs. 10, 11, 14 and 15. Land rolling. Soil third rate. Good grass.						
	Oct. 26th, 1910.						

Top of hill or point, runs back west. Descend over rough and rocky ground.
Canon, 50 lks. wide, course E. Ascend.
Set a malpais stone, 15x9x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W. face and raise amound of stone, 2 ft. base, 1 ft. high, W. of cor.

Chains. 47.00 Point of ridge runs back W. descend. 55.00 Ganon, 30 les. wide, course SE. Ascend. 65.00 Ridge bears S.800K, and N.800W. Descend. 80.00 Set a malpais stone, lFDRE ins., 10 ins. in the ground for the cor. of secs. 21, 22, 27 and 28, mkd. with 2 notches on the S. and 3 notches on the S. degs, and raise a mound of stone, 2 ft. base, 1‡ ft. high, W. of cor. Land rough and rocky and exceptionally difficult to survey. Soil 3rd and 4th rate. Grass good. Oct. 29th: At this cor., 1 set off 13*20‡'S. on the decl. arc, and atllh.44m, p. m., 1. m. t., 1 obs. the sun on the mer., the resulting lat. is 32*57' N. East on a random line bot., secs. 22 and 27. 40.00 Set a temp. \$ sec. cor. 60.00 Intersect the N and S. line at a point 3 lks. S. of the cor. of secs. 22, 23, 26 and 27. 10.00 Arroyo. 30 lks. wide, course SELy. Ascend. 40.00 Set a malpais stone, l5xlCx6 ins., 10 ins. in the ground for the \$ sec. cor., mkd. \$ on N. face, and raise a mound of stone, 2 ft. base, 1\$ ft. high, N. of cor. Oct. 29th:—At 4h, 9. m., 1. m. t., I set off 13*22\$'S. on the decl. arc, and 57*23' on the co-lat. arc, and determine a mer. with the solar at this cor. 80.00 The cor. of secs. 21, 22, 27 and 28. Land mountainous. Soil 4th rate. Good grass. 80.00 Foot of descent, Arroyo, 50 lks. wide, course SEly. Ascend. 33.00 Foot of descent, Arroyo, 50 lks. wide, course SEly. Ascend. 70 of spur from ridge, bears NW, and SE. Descend. 71 of of spur from ridge, bears NW, and SE. Descend. 72.00 Top of mountain peak, descend over very steep rocky ground. 72.00 Top of mountain peak, descend over very steep rocky ground for the sec. cor., mkd. \$ on W. face, and raise a mound of stone, 2 ft. base, 1\$ ft. high, W. of cor. 246.00 Arroyo, 20 lks. wide, course SE. Ascend. 72.00 Top of mountain peak, descend over very steep rocky ground. 80.00 Set a malpais stone, lCxlExic ins., 10 ins. in the ground for the cor. of secs. 15, 16, 21 and 22 mkd. 95 in NK. 81 k on SE. with 3 notches on the S. and E. edge, and raise a mound of stone, 2 ft. base		SUDDIVISIONAL LINES OF 1. 9 5., N. SI N.	
55.00 Canon, 32 lks. wide, course SE. Ascend. 63.00 Set a malpais stone, lbxcks ins., 10 ins. in the ground for the cor. of secs. 21, 22, 27 and 28, mkd. with 2 notches on the S. and 3 notches on the S. edge, and raise a mound of stone, 2 ft. base, 1‡ ft. high, W. of cor. Land rough and rocky and exceptionally difficult to survey. Soil 3rd and 4th rate. Grass good. Oct. 29th: At this cor., 1 set off 13°20†'S. on the decl. arc, and stilh.44m, a. m., 1. m. t. 1 lobs. the sun on the mer., the resulting lat. is 32°37'. M. East on a random line bet., secs. 22 and 27. 40.00 Set a temp. ‡ sec. cor. 80.00 Intersect the N. and S. line at a point 3 lks. S. of the cor. of secs. 22, 22 and 27. 10.00 Arcyo, 30 lks. wide, course SELy. Ascend. 40.00 Set a malpais stone, lfxl(x6 ins., 10 ins. in the ground for the ‡ sec. cor. mkd. ‡ on N. face, and raise a mound of stone, 2 ft. base, 1‡ ft. high, N. of cor. Oct. 29th: At 4h, 9. m. 1. m. t., I set off 13°22‡'S. on the decl. arc, and 57°25' on the collat arc, and determine a mer. with the solar at this cor. 80.00 The cor. of secs. 21, 22, 27 and 28. Land mountainous. Soil 4th rate. Good grass. 180.00 Foot of descent, Arroyo, 50 lks. wide, course SELy. Ascend. 35.00 Foot of descent, Arroyo, 50 lks. wide, course SELy. Ascend. 72.00 Top of spur from ridge, bears &w. and SE. Descend. 80.00 Set a malpais stone, lfxlfxl ins., 10 ins. in the ground for the jsec. cor., mkd. ‡ on W. face, and raise a mound of stone, 2 ft. base, 1‡ ft. high, W. of cor. 46.00 Arroyo, 20 lks. wide, course SEA. Ascend. 72.00 Top of mountain peak, descend over very steep rocky ground. 80.00 Set a malpais stone, lfxlfxc ins., 12 ins. in the ground for the cor. of secs. 15, 16, 21 and 22, mkd. \$\$in NE. 31 R on SE. with 3 notches on the S. and R. edges, and raise a mound of stone, 2 ft. base, 1‡ ft. high, W. of cor. Land mountainous and exceptionally difficult to survey. 80:1 4th rate Good grass. 0ct. 3let. At this cor., 1 set off 14°S. on the decl. arc, and at 11*, 4m, a. m., 1. m. t. 1	Chains.		
Soil 3rd and 4th rate. Grass good. Oct. 29th: At this cor., I set off 13°204'S. on the decl. arc, and atlih.44m, a.m., l.m. t. I dos. the sun on the mer., the resulting lat. is 32°37'.N. East on a random line bet., secs. 22 and 27. 40.00 Set a temp. † sec. cor. 80.00 Intersect the N. and S. line at a point 3 lks. S. of the cor. of secs. 22, 23, 26 and 27. Thence I run, S.89°59'N. on a true line bet. secs. 22 and 27. 40.00 Set a malpais stone, lbxl\cappace in a. 10 ins. in the ground for the † sec\cor., mkd. † on N. face, and raise a mound of stone, 2 ft. base, l\ ft. high, N. of cor. Oct. 29th: At 4h, 9. m. l. m. t., I set off 15°22\cappace 1S. on the decl. arc, and 57°23' on the co-lat. arc, and determine a mer. with the solar at this cor. 80.00 The cor. of secs. 21, 22, 27 and 28. Land mountainous. Soil 4th rate. Good grass.	55.00 63.00	Canon, 30 lks. wide, course SE. Ascend. Ridge bears S.80°E. and N.80°W. Descend. Set a malpais stone, 15x8x6 ins., 10 ins. in the ground for the cor. of secs. 21, 22, 27 and 28, mkd. with 2 notches on the S. and 3 notches on the E. edge, and raise	
decl. arc, and atlh.44m, a.m., l. m. t., lobs. the sun on the mer., the resulting lat. is 32.37°. N. East on a random line bet., secs. 22 and 27. 40.00 Set a temp. \(\frac{1}{2}\) sec. cor. Intersect the N. and S. line at a point 3 lks. S. of the cor. of secs. 22, 23, 25 and 27. Thence run, S.99.59'W on a true line bet. secs. 22 and 27. 10.00 Arroyo, 30 lks. wide, course SEly. Ascend. 40.00 Set a malpais stone, lfxlCx6 ins., 10 ins. in the ground for the \(\frac{1}{2}\) sec. cor., mkd. \(\frac{1}{2}\) on N. face, and raise a mound of stone, 2 ft. base, \(\frac{1}{2}\) ft. high, N. of cor. Oct. 29th:— At 4h, 9. m. ft. Oct. 29th:— At 4h, 9. m. ft. on the decl. arc, and 57.23' on the co-lat. arc, and determine a mer. with the solar at this cor. 80.00 The cor. of secs. 21, 22, 27 and 28. Land mountainous. Soil 4th rate. Good grass. 80.00 Foct of descent, Arroyo, 50 lks. wide, course SEly. Ascend. 33.00 Foct of descent, Arroyo, 50 lks. wide, course SEly. Ascend. 35.00 Foct of descent, arc, mad, \(\frac{1}{2}\) on \(\frac{1}{2}\) face, and raise a mound of stone, 2 ft. base, \(\frac{1}{2}\) ft. high, W. of cor. 46.00 Arroyo, 20 lks. wide, course SE. Ascend. 77.00 Top of mountain peak, descend over very steep rocky ground. 80.00 Set a malpais stone, lkxlfx6 ins., 12 ins. in the ground for the cor. of secs. 15, 16, 21 and 22, mkd. 98 inn NE. 31 Bon SE. with 3 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. Soil 4th rate Good grass. Oct. 31st:— At this cor., I set off 14.8, on the decl. arc, and at 11n,44m. \(\frac{1}{2}\) m. \(\frac{1}{2}\) in the mountainous and exceptionally difficult to survey. N.89.692 s. on a random line bet. secs. 15 and 22. 40.00 Set a temp. \(\frac{1}{2}\) sec. cor. Intersect the N. and S. line at a point 14 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run		to survey.	
40.00 Set a temp. ‡ sec. cor. 10.00 Intersect the N. and S. line at a point 3 lks. S. of the cor. of secs. 22, 23 26 and 27. Thence I run, S.69*59'W, on a true line bet. secs. 22 and 27. 10.00 Arroyo, 30 lks. wide, course SEly. Ascend. 40.00 Set a malpais stone, 15x10x6 ins., 10 ins. in the ground for the ‡ sec. cor. mkd. ‡ on N. face, and raise a mound of stone, 2 ft. base, 1‡ ft. high, N. of cor. Oct. 29th:— At 4h, 9. m., 1. m. t., I set off 13*22½'S. on the decl. arc, and 57*23' on the co-lat. arc, and determine a mer. with the solar at this cor. 80.00 The cor. of secs. 21, 22, 27 and 28. Land mountainous. Soil 4th rate. Good grass.		decl. arc. and atllh.44m. a. m., l. m. t., I obs. the	
So.00 Intersect the N. and S. line at a point 3 lks. S. of the cor. of secs. 22, 23, 26 and 27. Thence I run, S.89.59'W. on a true line bet. secs. 22 and 27. 10.00 Arroyo. 30 lks. wide, course SEly. Ascend. 40.00 Set a malpais stone, lfml(x6 ins., 10 ins. in the ground for the t sec. cor., mkd. t on N. face, and raise a mound of stone, 2 ft. base, 1t ft. high, N. of cor. Oct. 29th:— At 4h, 9. m., 1. m. t., I set off 13.22t.S. on the decl. arc, and 57°23' on the co-lat. arc, and determine a mer. with the solar at this cor. 80.00 The cor. of secs. 21, 22, 27 and 28. Land mountainous. Soil 4th rate. Good grass.		East on a random line bet., secs. 22 and 27.	
10.00 Arroyo, 30 lks. wide, course SELy. Ascend. 40.00 Set a malpais stone, 15x10x6 ins., 10 ins. in the ground for the 1 sec/ cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 11 ft. high, N. of cor. Oct. 29th:— At 4h, 9. m. 11 m. t., I set off 15.221.S. on the decl. arc, and 57.221 on the co-lat. arc, and determine a mer. with the solar at this cor. 80.00 The cor. of secs. 21, 22, 27 and 28. Land mountainous. Soil 4th rate. Good grass. 100 Foot of descent, Arroyo, 50 lks. wide, course SELy. Ascend. 101 Top of spur from ridge, bears kw. and SE. Descend. Set a malpais stone, 15x15x12 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W. face, and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor. 46.00 Arroyo, 20 lks. wide, course SE. Ascend. 72.00 Top of mountain peak, descend over very steep rocky ground. 80.00 Set a malpais stone, 18x15x6 ins., 12 ins. in the ground for the cor. of secs. 15, 16, 21 and 22, mkd. 95 hn NE. 31 E on SE. with 3 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor. Land mountainous and exceptionally difficult to survey. Soil 4th rate Good grass. Oct. 31st:— At this cor., I set off 14.S. on the decl. arc, and at 11h,44m. a. m., 1. m. t., 1 obs the sun on the mer., the resulting lat. is 32.88 N	40.00 80.00	Intersect the N. and S. line at a point 3 lks. S. of the cor. of secs. 22, 23, 26 and 27. Thence Trun, S.89.59 W. on a true line bet. secs.	
Oct. 29th; At 4h, 9. m., 1. m. t., I set off 13.22t. S. on the decl. arc, and 57.23 on the co-lat. arc, and determine a mer. with the solar at this cor. 80.00 The cor. of secs. 21, 22, 27 and 28. Land mountainous. Soil 4th rate. Good grass.	10.00	Arroyon 30 lks. wide, course SEly.	
Oct. 29th:— At 4h, 9. m., 1. m. t., I set off 13-221.S. on the decl. arc, and 57-23' on the co-lat. arc, and determine a mer. with the solar at this cor. 80.00 The cor. of secs. 21, 22, 27 and 28. Land mountainous. Soil 4th rate. Good grass.	40.00	PM I./	
N.0°6'W. bet. secs. 21 and 22, descending. 25.00 Foot of descent, Arroyo, 50 lks. wide, course SEly. Ascend. 33.00 Top of spur from ridge, bears NW. and SE. Descend. Set a malpais stone, 15x15x12 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 4 on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. 46.00 Arroyo, 20 lks. wide, course SE. Ascend. 72.00 Top of mountain peak, descend over very steep rocky ground. 80.00 Set a malpais stone, 18x15x6 ins., 12 ins. in the ground for the cor. of secs. 15, 16, 21 and 22, mkd. 95 inn NE. 31 E on SE. with 3 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land mountainous and exceptionally difficult to survey. Soil 4th rate Good grass. Oct. 31st:- At this cor., I set off 14°S, on the decl. arc, and at 11h.44m. a. m., 1. m. t. I obs the sun on the mer., the resulting lat. is 32°38'.N N.89°59'E. on a random line bet. secs. 15 and 22. 40.00 Set a temp. ½ sec. cor. 79.99 Intersect the N. and S. line at a point 14 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run		Oct. 29th: At 4h, 9. m., 1. m. t., I set off 13.225!S. on the decl. arc, and 57.23 on the co-lat. arc, and	
N.0°6'W. bet. secs. 21 and 22, descending. 25.00 Foot of descent, Arroyo, 50 lks. wide, course SEly. Ascend. 33.00 Top of spur from ridge, bears NW. and SE. Descend. Set a malpais stone, lfxl5xl2 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W. face, and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor. 46.00 Arroyo, 20 lks. wide, course SE. Ascend. 72.00 Top of mountain peak, descend over very steep rocky ground. 80.00 Set a malpais stone, l8xl5x6 ins., 12 ins. in the ground for the cor. of secs. 15, 16, 21 and 22, mkd. 95 inn NE. 31 E on SE. with 3 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor. Land mountainous and exceptionally difficult to survey. Soil 4th rate Good grass. Oct. 31st:- At this cor., I set off 14°S, on the decl. arc, and at 11h,44m. a. m., 1. m. t., I obs the sun on the mer., the resulting lat. is 32°38'. N N.89°59'E. on a random line bet. secs. 15 and 22. 40.00 Set a temp. 1 sec. cor. Intersect the N. and S. line at a point 14 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run	80.00		
25.00 Foot of descent, Arroyo, 50 lks. wide, course SEly. Ascend. 33.00 Top of spur from ridge, bears NW. and SE. Descend. 40.00 Set a malpais stone, 15x15x12 ins. 10 ins. in the ground for the 1 sec. cor., mkd. 4 on W. face, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. 46.00 Arroyo, 20 lks. wide, course SE. Ascend. 72.00 Top of mountain peak, descend over very steep rocky ground. 80.00 Set a malpais stone, 18x15x6 ins., 12 ins. in the ground for the cor. of secs. 15, 16, 21 and 22, mkd. 95 nn NE. 31 E on SE. with 3 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. Land mountainous and exceptionally difficult to survey. Soil 4th rate Good grass. Oct. 31st:- At this cor., I set off 14°S, on the decl. arc, and at 11h,44m. a. m., 1. m. t. 1 obs the sun on the mer., the resulting lat. is 32°38°. N N.89°59'E. on a random line bet. secs. 15 and 22. 40.00 Set a temp. 1 sec. cor. 79.99 Intersect the N. and S. line at a point 14 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run		Oct. 29th, 1910.	
Ascend. Top of spur from ridge, bears NW. and SE. Descend. 40.00 Set a malpais stone, lix15x12 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W. face, and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor. 46.00 Arroyo, 20 lks. wide, course SE. Ascend. 72.00 Top of mountain peak, descend over very steep rocky ground. 80.00 Set a malpais stone, 18x15x6 ins., 12 ins. in the ground for the cor. of secs. 15, 16, 21 and 22, mkd. 95 in NE. 31 E on SE. with 3 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor. Land mountainous and exceptionally difficult to survey. Soil 4th rate Good grass. Oct. 31st:- At this cor., I set off 14°S. on the decl. arc, and at 11h.44m. a. m., 1. m. t., I obs the sun on the mer., the resulting lat. is 32°38°. N N.89°59'E. on a random line bet. secs. 15 and 22. 40.00 Set a temp. 1 sec. cor. Intersect the N. and S. line at a point 14 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run		N.0.6'W. bet. secs. 21 and 22, descending.	
33.00 Top of spur from ridge, bears NW. and SE. Descend. 40.00 Set a malpais stone, 15x15x12 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 4 on W. face, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. 46.00 Arroyo, 20 lks. wide, course SE. Ascend. 72.00 Top of mountain peak, descend over very steep rocky ground. 80.00 Set a malpais stone, 18x15x6 ins., 12 ins. in the ground for the cor. of secs. 15, 16, 21 and 22, mkd. 98 inn NE. 31 R on SE. with 3 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. Land mountainous and exceptionally difficult to survey. Soil 4th rate Good grass. Oct. 31st:- At this cor., I set off 14°S. on the decl. arc, and at 11h.44m. a. m., 1. m. t., I obs the sun on the mer., the resulting lat. is 32°38'.N N.89°59'E. on a random line bet. secs. 15 and 22. 40.00 Set a temp. 2 sec. cor. Intersect the N. and S. line at a point 14 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run	25.00		
72.00 Top of mountain peak, descend over very steep rocky ground. 80.00 Set a malpais stone, 18x15x6 ins., 12 ins. in the ground for the cor. of secs. 15, 16, 21 and 22, mkd. 98 in NE. 31 E on SE. with 3 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor. Land mountainous and exceptionally difficult to survey. Soil 4th rate Good grass. Oct. 31st:- At this cor., I set off 14°S, on the decl. arc, and at 11h.44m. a. m., 1. m. t., I obs the sun on the mer., the resulting lat. is 32°38'.N N.89°59'E. on a random line bet. secs. 15 and 22. 40.00 Set a temp. 1 sec. cor. 79.99 Intersect the N. and S. line at a point 14 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run	33.00 40.00	Top of spur from ridge, bears NW. and SE. Descend. Set a malpais stone, 15x15x12 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 4 on W. face, and raise a mound	
80.00 Set a malpais stone, 18x15x6 ins., 12 ins. in the ground for the cor. of secs. 15, 16, 21 and 22, mkd. 95inn NE. 31 E on SE. with 3 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 1 ft. high. W. of cor. Land mountainous and exceptionally difficult to survey. Soil 4th rate Good grass. Oct. 31st:- At this cor., I set off 14. on the decl. arc, and at 11h.44m. a. m., 1. m. t., I obs the sun on the mer., the resulting lat. is 32.38 N N.89.59 E. on a random line bet. secs. 15 and 22. 40.00 Set a temp. 1 sec. cor. 79.99 Intersect the N. and S. line at a point 14 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run	46.00 72.00	Top of mountain peak, descend over very steep rocky	
N.89.59 E. on a random line bet. secs. 15 and 22. N.89.59 E. on a random line bet. secs. 15 and 22. Intersect the N. and S. line at a point 14 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run	80.00	Set a malpais stone, 18x15x6 ins., 12 ins. in the ground for the cor. of secs. 15, 16, 21 and 22, mkd. 98 on NE. 31 E on SE. with 3 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 12 ft. high. W. of cor. Land mountainous and exceptionally difficult to	;
40.00 Set a temp. 1 sec. cor. 79.99 Intersect the N. and S. line at a point 14 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run		Soil 4th rate Good grass. Oct. 31st:- At this cor. I set off 14°S, on the	
	79.99	Set a temp. 1 sec. cor. Intersect the N. and S. line at a point 14 lks. S. of the cor. of secs. 14, 15, 22 and 23. Thence I run	1. 6 3.32

14	BOOK	Subdivisional Lines of T. 9 S., R. 31 E.
	Chains.	S.89°53'W. bet. secs. 15 and 22, ascending.
	39.993	Set a malpais stone, 20x14x8 ins., 15 ins. in the ground for the 1 sec. cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 11 ft. high, N. of cor.
	72.00 79.99	Top of mountain ridge running NE. from peak, descend. The cor. of secs. 15, 16, 21 and 22. Land mountainous and exceptionally difficult to
		Soil 4th rate. Good grass.
		N.0.6 W. bet. secs. 15 and 16, descending over rough rocky ground.
	11.00	Canon, 20 lks. wide, course NE. Ascend.
•	40.00	Point for the \$\frac{1}{4}\$ sec. cor. falls on rock in place, \$2x3x4\$ feet above ground and forming solid part of rocky ledge, mark x at exact point point for cor., with \$\frac{1}{4}\$ on W. side, for the \$1/4\$ sec. cor., and raise a mound of stone, \$3\$ ft. base, \$2\$ ft. high, W. of cor. Oct. 31st, 1910.
	47.00 80.00	Saddle bears E. and W. Descend. Set a malpais stone, 18x12x8 ins., 12 ins. intthe ground for the cor. of secs. 9, 10, 15 and 16, mkd. with 3 notcless on the E. and 4 notches on the S. edge, and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor.
	• •	Land mountainous and exceptionally difficult to survey. Good grass. 3 rd and 4th rate Soil.
	40.00 80.02	N. 89°53'E. on a random line bet. secs. 10 and 15. Set a temp. † sec. cor. Thtersect the N. and S. line at a point 26 lks. N. of the cor. of secs. 10, 11, 14 and 15. Thence I run, N.89°56'W. on a true line bet. secs. 10 and 15 Ascending, gradually.
	40.01	Set a malpais stone, 15x10x6 ins., 10 ins. in the ground for the i sec.cov., mkd. ton N. face, and raise amound of stone, 2 ft. base, 1th ft. high, N. of cor.
	80.02	The cor. of secs. 9, 10, 15 and 16. Land mountainous. Soil 4th rate. Good grass.
	40.00	N.0.6.W. bet. secs. 9 and 10 over broken rocky ground. Set a malpais stone, 18x10x7 ins., 12 ins. in the ground for the 4 sec. cor., mkd. 4 on W. face, and raise a mound of stone, 2 ft. base, 12 ft. high, W of cor.
		Nov. lst: - At this cor. I set off 14° 19'S. on the decl. arc. and at 17h.44m, a. m., l. m. t., I obs. the sun on the mer., the resulting lat. is 32°39'. N
	45.00 80.00	Arroyo, 30 lks. wide, course E. Set a malpais stone, 15x10x8 ins., 10 ins. in the ground for the cor. of secs. 3, 4, 9 and 10, mkd. with 5 notches on the S. and 3 notches on the E. edge, and raise a mound of stone, 2 ft.base, 1; ft. high, W. of cor. Land mountainous. Soil 4th rate. crass good.

	a	
	Chains.	S.89.56'E. on a random line bet. secs. 3 and 10.
	40.00 79.98	set a temp. 1 sec. cor. Intersect the N. and S. line at a point 9 lks. S. of the cot. of secs. 2, 3, 10 and 11.
	10.00 39.99	Thence I run West on a true line bet. secs. 3 and 10 over rolling ground. Arroyo, 1 ch. wide, course NE. Set a malpais stone, 15x8x7 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 11 ft. high, N. of cor.
	79.98	The cor. of secs. 3, 4, 9 and 10. Land rolling. Soil 3rd rate. Good grass.
		Nov. lst:- At 3h, p. m., l. m. t. I set off 14.21 8. on the decl. arc, and 57.20 on the co-lat. arc and determine a mer. with the solar at this cor.
		N.0.6 W. bet. secs. 3 and 4 on a random line.
	40.00 80.00	Set a temp. 1 sec. cor. Intersect the N. bdy. of the township, 3 lks. E. of the cor. of secs. 3, 4, 33 and 34. previously described
		Thence I run S.0.7 L. on a true line bet. secs. 3 and 4 over rolling ground.
	40.00	Set a malpais stone, 12x12x6 ins., 8 ins. in the ground for the \$\frac{1}{2}\$ sec. cor., mkd. \$\frac{1}{2}\$ on \$\mathbb{W}\$, face, and raise a mound of stone, 2 ft. base, \$1\frac{1}{2}\$ ft. high, \$\mathbb{W}\$. of cor.
	48.00 50.00 53.00 75.00	Arroyo, 50 lks. wide, course SE. Ascend. Little ridge bears SE. and NW. Bescend. Arroyo, 50 lks. wide, course SE. Arroyo, 2 chs. wide, course NEly.
	80.00	The cor. of secs. 3, 4, 9 and 10.
		Land rolling. Soil 2nd rate. Good grass.
		Nov. 1st, 1910.
		From the cor. of secs. 32, 33, 5 and 4, previously described on the S. bdy. of the township, I run N.0.6 W. bet. secs. 32 and 33, ascending.
	20.00 38.00	Ridge bears NE. and SW., Descend. Canon, course S.80°E., 1 ch. wide.
	40.00	Ascend. Set a malpais stone, 15x8x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. ton W face, and raise a mound of stone, 2 ft. base, 1th ft. hkgh, W. of cor. Nov. 2nd: - At this cor. I set off 14° 388'S. on the
		decl. arc, and at 11h.44m. a.m. 1. m. t. obs. the sun on the mer., the resulting lat. is 32°36'.N
	60.00	Top of ridge bears NE. and SW. Descend.
	80.00	Set a malpais stone, 18x7x6 ins., 12 ins. in the ground for the cor. of secs. 28, 29, 32 and 33, mkd. with 1 notch on the S. and 4 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor Nov. 2nd:— At 4h, p. m., 1. m. t., I set off 14.40½ S. on the decl. arc, and 57.24 on the co-lat. arc, and determine a mer. with the solar at this cor. Land mountainous and exceptionally difficult to survey
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16.

Subdivisional Line T. 9 S., R. 31 E.

Chains.	Soil 4th rate. Grass good. No timber. Nov. 2nd, 1910.
40.00 80.21	East on a random line bet. secs. 28 and 33. Set a temp. \(\frac{1}{2}\) sec. cor. Intersect the N. and S. line at a point 23 lks. S. of the cor. of secs. 27, 28, 33 and 34.
	Thence I run S.89.50 W. on a trrue line bet. secs. 28 and 33 over mountainous ground. Ascending.
40.10	Set a malpais stone, 15x9x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 11 ft. high, N. of cor. Top of ridge bears NW. and SE. Nov. 3td, 1910: At this cor. I set off 14.571'S. on the decl. arc, and at 11h.44m. a. m., 1. m. t., I obs. the sun on the mer., the resulting lat. is 32.36'N
	Descend.
72.21 80.21	Canon, 50 lks. wide, course \$.80°E. Ascend. The cor. of secs. 28, 29, 32 and 33.
	Nov. 3rd: At 4h, p. m. l. m.t. 14.59 s. on the decl. arc, 57.24 on the co-lat. arc, and determine a mer. with the salar at this cor. Land mountainous, exceptionally difficult to survey.
	Soil 4th rate. crass good.
	Nov. 3rd, 1910.
6.00	up this canon from this point there is a well, new, contains no water, put down by one Phillips.
30. 00 40. 00	Ascend. Top of ridge bears NW, and SE. Descend. Set a malpais stone, 15x15x4 ins., 10 ins. in the ground for the isec. cor., mkd. ton W. face, and raise a mound of stone, 2ft. base, 1thigh W. of cor. Nov. 4th: At this cor. I set off 15.6 S. on the decl. arc and at 11h.44m, a.m., l.m. t. obs. the sun on the mer., the resulting lat. is 32.37.N
65.00 80.00	
	Soil 4th rate. Grass good.
	Nov. 4th:- At 3h, p. m. 1. m. t., I set off 15°18'S, on the decl. arc, and 57°23' on the co-lat. arc and determine a mer. with the selar at this cor. Nov. 4th, 1910.
40.00 80.05	
	Thence I run S.89 40 W. on a true line bet. secs. 21 and 28. Ascending.

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Subdivisional Lines of Township 9 S. R. 31
 Chains.
 40.02 Set a malpais stone, 15x8x6 ins., 10 ins. in the ground, for the 1 sec.cor., mkd. on N.face, and raise a mound of stone, 2 ft.base 1 ft. high, N. of cor. Cedar, 12 ins.in diam.bears N.71 w., 65 lks.dist,
                       mkd. 1 S 21 B T. and a
                    Cedar 18 ins. in diam , bears S.8030 W., 74 lks.dist.,
                        mkd. 4 S 28 B T.

At this cor. I set off 15°34 ½ 'S. on the decl.
                 arc, and at 11h.44m.a.m.,1.m.t., I observe the sun on the meridian. The resulting lat.is 32° 37'N.
            Ridge brs .NE. and SW. Descend.
The cor. of secs. 20, 21, 28 and 29.
 50.00
 80.05
            Land, mountainous and exceptionally difficult to survey.
            Soil 4th rate. Good grass. A few scattering cedar bushes
                 along the Racenter of this line.
            Nov.5th: At 3h,p.m.,l.m.t., I set off 15°36½'S.on the decl.arc; 57°23' on the co-lat. and determine a mer. with the solar at this cor.
                                                                  Nov. 5th, 1910.
           N.0°6' W., bet. secs.20 and 21, ascending. Top of mountain ridge bears NW.and SE. Descend.
  7.00
           Foot of descent, head of canon runs NE.
 39.00
 40.00 The 1 sec. or. point falls on stone in place, 2 ft. high,
                 3 ft. long, 4 ft. wide. Mark x at the exact point
           for cor., with 1 on W., and raise a mound of stone, 2 ft. base, 11 ft. high, W. of cor.

Ascend over very steep and rocky ground.

Top, of high rocky ridge, bears NE. and SW. Descend.
 70.00
           Cliff, bears E. and W., 20 ft. abrupt descent.
 74.00
           A few scattering cedars br .east and west.
 80.00
           Set a malpais stone, 18x14x8 ins., 12 ins. in the ground for the cor.of secs.16,17,20 and 21, marked with 3
                notches on the S. and 4 notches on the E. edge, and
                raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, W.
                of cor.
                   A cedar, 36 ins. in diam., bears S.53°E., 5 lks. dist., marked T 9 S R 31 E S 21 B T.
                   A cedar 18 ins. in diam., bears N.60½°E., 150 lks. dist., marked T 9 S R 31 E S 16 B T.

A cedar, 12 ins. in diam., bears N.81°45°W., 74 lks.dist., marked T 9 S R 31 E S 17 B T.
                A cedar 9 ins. in diam., bears S.39½°W., 107 lks. dist., marked T 9 S R 31 E S 20 B T.
7. 7th. At 3h. p.m., 1.m.t., I set off 16°12½'S. on the decl.arc; 57°22'on the co-lat. arc and determined
                mine a meridian with the solar at this cor.
           Land, mountainous and exceptionally difficult to survey.
           Soil, 4th rate.
           A few scattering cedar trees.
                                                            Grass good.
           Note: The sky was overcast at noon, and the sun not vis-
                ible.
                                                                       Nov. 7th, 1910.
         N.89°40'E. on a random line, bet. secs.16 and 21.
          Set temp. 1 sec cor. Intersect N.and S. line at the cor.of secs. 15,16,21 and
40.00
80.00
           Thence I run, S.89040 W. on a true line, across head of
                canyon, course NE.
           Ridge, NW. and SE. Thence descending along SW. slope of
10.00
                ridge.
          Canyon 10 lks.wide, course SE.; ascend.

Set a malpais stone 18x8x7 ins., 12 ins. in the ground for 1 sec.cor., marked 1 on N.face, and raise a mound of stone 2 ft.base, 11 ft. high, N.of cor.

Ascend: top of ridge, brs. N.and S.
39.00
40.00
75.00
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The cor. of secs .16,17,20 and 21.

Land, mountainous, exceptionally difficult to survey. No timber. Soil, 3rd rate. Good grass.

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Subdivision lines of Township 9 South, Range
Chains.
             N.006'W., bet. secs.16 and 17, descending over rough rocky
                    ground.
              Canon, 50 lks .wide, course NW.
33.00
              Ascend.
             Set a malpais stone, 15x7x6 ins., 10 ins. in the ground for the 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
             Top of rocky peak; descend.

Set a malpais stone, 18x7x7 ins., 12 ins. in the ground,

for the cor.of secs.8,9,16 and 17, marked with 4
71.00
80.00
              notches on the S. and E.edges, and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor.

Nov.8th. At this cor. I set off 16°28'30'S.on the decl.
                    arc, and at 11h. 44m.a.m., 1.m.t., observe the sun on the meridian; the resulting lat.is 32° 39' N.
              Land, mountainous and exceptionally difficult to survey.
              Soil, 4th rate.
              Grass good.
                  N,89°40'E. on a random line, bet. secs.9 and 16.

Set a temp. † sec.cor.

Nov. 8th. At 3h.p.m., l.m.t., I set off 16°30½'S.on the decl.arc, and at 57°21' on the co-lat.arc, and determine a maxidian with the solar et this correction.
                     mine a meridian with the solar at this cor.
               Intersect the N. and S. line at a point 16 lks.N.of the cor. of secs.9,10,15 and 16.
Thence I run S.89047'W., on a true line, bet. secs.9
 80.02
                    and 16. Ascending.
                                                                                          Descend.
 25.00 Canon, 50 lks wide, course NE. Ascend.
40.01 Set a malpais stone, 18x10x6 ins., 12 ins. in the ground, for the $\frac{1}{2}$ 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.

72.00 Ridge brs. NE.and SW. Descend.
80.02 The cor.of secs.8,9, 16 and 17.

Land mountainous excentionally difficult to survey.
               NE. point of ridge, runs back SW.
 15.00
               Land, mountainous, exceptionally difficult to survey.
               Soil, 4th rate. Grass good.
                                                                                  Nov. 8th, 1910.
              N.006 W., bet, secs. 8 and 9, ascending along W.slope of mountain ridge.
                Top of ridge brs . NW .and SE. Descend.
  19.00
               Arroyo, 50 lks.wide, course NW. Ascend.
Set a malpais stone, 18x7x6 ins., 12 ins. in the ground,
for the \(\frac{1}{2}\) 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.
 .39 • 90
  40.00
                Descend.
                Arroyo, 50 lks wide, course NE. Ascend.

Nov. 9th. At this point I set off 16°46'S. on the declarc; and at 11h.44m., a.m., lam.t., observe the sun on the meridian; the resulting lat is 32°39'N.
  50.00
  53.00
                the meridian; the resulting latals 32.39 N.

Set a malpais stone, 18x8x8 ins., 12 ins. in the ground, for the cor. of secs. 4, 5, 8 and 9, marked with 5 notches on the S. and 4 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1 ft. high, W. of cor.

Nov. 9th. At 4h.p.m., 1 m.t., I set off 16047 30 s. on the
   80.00
                       decl.arc; 57020'on the co-lat.arc, and determine a mer. with the solar at this cor.
                Land, mountainous, exceptionally difficult to survey. Soil, 4th rate. Grass good.
                N.89047'E.on a random line bet. secs.4 and 9.
   40.00 Set a temp. 1 sec cor.
80.10 Intersect the N.and S. line at a point 5 lks S.of the
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83
<del>Chains</del>
                                  cor. of secs. 3, 4, 9 and 10.
                                                                                                                                            Nov. 9th, 1910.
                                Thence I run S.89.45 W. bet. secs. 4 and 9, on a true line, descending.
Arroyo, 2 chs. wide, course NE. Ascend.
Set a malepais stone, 18x9x9 ins., 12 ins. in the ground for the 1 sec. cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 11 ft. high, N. of cor.
Commence very steep ascent of high mountain ridge.
The cor. of secs. 4, 5, 8 and 9.

Land mountainous and exceptionally difficult to survey for last 40.00 chs.
Soil 4th rate. Grass good.
          5.00
      40.05
      50.00
                               N.0% on a random line bet. secs. 4 and 5
At this point; Nov. 10th: - Set off 17.3'S, on the decl.
arc, and at 11h.44m.a. m., 1. m. t., obs. the sun on
the mer., the resulting lat. is 32.40'. N.
                                 Set a temp. 1 sec. cor.
Intersect the N. bdy. of the township at a point 5 lks.
E. of the cor. of secs. 4, 5, 32 and 33, previously des-
       40.00
       80.16
                                  cribed.
                                                      Thence run S.008'E. bet. secs. 4 and 5, descend-
                                  ing. Arroyo of WhiteRock Canon, 50 lks. wide, course NE.
          4.00
                                 Set a malpais stone, 18x9x9 ins., 12 ins. in the ground for the $\frac{1}{2}$ sec. cor., mkd. $\frac{1}{2}$ on $W$ face, and raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, $W$. of cor.

Nov. 10th: At 3h, p. m. 1. m. t., I set off 17.4$\frac{1}{2}$'S. on the decl. arc, 57.20 on the co-lat. arc, and determine a mer. with the solar at this cor.

Commence were steen ascent of neak.
       40.16
                                                      Commence very steep ascent of peak.
                                 Top of mountain peak, descend.
The cor. of secs. 4, 5, 8 and 9,
Land mountainous and exceptionally difficult to
                                                      Soil 4th rate. crass good., Nov. 10th, 1910.
     From the cor. of secs. 31, 32, 5 and 6 on the S. bdy. of the township, previously described, I run N.0°7'W. bet. secs. 31 and 32, descending.

8.00 Head of canon, course S.80°E. Ascend.

21.00 Top of ridge bears E. and W. Descend. Slope 30°.

40.00 Set a malpais stone, 18x9x6 ins., 12 ins. in the ground for the 1 sec. cor., mkd. 1 on W. face, and raise a mound of stone, 2 ft. base, 1 ft. high, W° of cor.

Nov. 11th: At this cor. I set off 17°20'S. on the decl. arc, and at 11h.46m. a. m., 1. m. t., I obs. the sun on the mer., the resulting lat. is 32°36'N

47.00 Canon, 50 lks. wide, course SE.

Ascend.

66.00 Top of ridge bears E. and W. Descend.

Canon, 50 lks. wide, course N.80°E. Ascend.

Set a malpais stone, 18x9x4 ins., 12 ins. in the ground, for the cor. of secs. 29, 30, 31, and 32, mkd. with 1 notch on the S. and 5 notches on the E. edge, and raise a mound of stone, 2 ft. base, 1 ft high, W. of cor.

Jand mountainous and exceptionally difficult to survey. No timber. Good grass. Soil 4th rate.
                                   ---Nov. 11th: - At 3h, p. m., l. m. t., I set off 17°21½°S. on the decl. arc, 57°24° on the co-lat. arc,
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and determine a mer. with the solar at this cor.

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Subdivisional Lines of T. 9 S., R. 31 E.

Chains	Outful (162016) Billog of 26 t of 3 2.6 of 2.6	
	Nov. 11th, 1910.	
	East on a random line bet. secs. 29 and 32.	
40.00 80.00	Set a temp. 1 sec. cor. Intersect the cor. of secs. 28, 29, 32 and 33.	
	Thence I run West on a true line bet. secs. 29 and 32. ascending along N. slope of Canon. Scatter ing cedar.	
20.00 40.00	Descend. Set a malpais stone, 18x9x6 ins., 12 ins. in the ground for the \$\frac{1}{2}\$ sec. cor., mkd. \$\frac{1}{2}\$ on N. face, and raise a mound of stone, 2 ft. base, 1\$\frac{1}{2}\$ ft. high, N of cor. Nov. 12th: At this cor. I set off 17°36\frac{1}{2}\$ S. on the decl. arc, and at 11h.44m.a. m., 1. m. t I obs. the sun on the mer., the resulting lat. is 32°36! N A cedar tree 36 ins. in diam., bears \$.89°E., 69 lks. mkd. \$\frac{1}{2}\$ \$32BT. Cedar 12 ins. in daim bears N.21\frac{1}{2}°E., 21 lks. dist. mkd. \$\frac{1}{2}\$ \$29BT.	dist.
66.00	Canon, 30 lks. wide, course N.80°E.	
80.00	Ascend. The cor. of secs. 29, 30, 31 and 32. Land mountainous and esceptionally difficult to	
	survey, 80.00 chs. Soil 4th rate. Good grass. Scattering cedar.	
•	Nov. 12th: - At 4h, p. m., l. m. t., I set off 17°37. S. on the decl. arc, 57°24' on the co-lat. arc and determine a mer. with the solar at this cor.	•
	Nov. 12th, 1910.	
	West on a random line bet. seds. 39 and 31.	
40.00	Set a temp. † sec. cor. Nov. 14th: At this cor., I set off 18. S. on the decl. arc, and at lih 44m.s. m., l. m. t., I obs. the su	n
80.17	on the mer., the resulting lat. is 32°36'. N Intersect the W. bdy. of the township at a point 16 lks. S. of the cor. of secs. 25, 30, 31 and 36, previously described.	
	Thence I run, S.89°53'E. on a true line bet secs. 30 and 31, ascending precipitous side of mountain.	
30.00 40.17	Top of high rocky ridge bearw NE. and SW. Descend. Set a malpais stone, 15x7x6 ins., 10 ins. in the ground for the \$\frac{1}{2}\text{ sec. cor., mkd. \$\frac{1}{2}\text{ on N: face, and raise a mound of stone, 2 ft. base, 1\frac{1}{2}\text{ ft. high, N. of cor.} Nov. 14th: - At 4h, p. m. 1. m. t., I set off 1809\frac{1}{2} s. on the decl. arc, 57024 on the co-lat. arc, and determine a mer. with the solar at this cor.	
00.00	decolimities a libit. We cir dies bozat as cirzo des	i
6 2.00 73.00	Enter canon, thence descending along S. side of Canon. Cross to N. side of Canon, course \$980 E., 30 lks. Wide. Ascend.	
80.17	The cor. of secs. 29, 30, 31 and 32. Land mountainous and exceptionally difficult to	
	survey. Good grass. Soil 4th rate.	
	Nov. 14th, 1910.	

Chains.	
	N.007'W. bet. secs. 29 and 30, ascending over rough rocky precipitous ground.
12.00 28.00 40.00	Canon, 50 Iks. wide, course S.80°E. Ascend.
44.00	Tall and another a manches and another statement of an and we
65.00 76.00 80.00	Top of saddle bars NE. and SW. Descend. Set a malpais stone, 20x10x10 ins., 15 ins. in the ground for the corner of secs. 19, 20, 29 and 30, mkd. with 2 notches on the S. and 5 notches on the E. edge, and raise a mound of sto ne. 2 ft. base, 12 ft. high. Wo of cor. A cedar, 10 ins. in diam. bears S.45.W., 116 lks.
	dist. mkd. T9SR31ES30BT. No other bearings available. Land mountainous and exceptionally difficult to survey. Soil 4th rate. Godd grass.
	Nov. 15th: - At 4h, p. m., l. m. t. I set off 18°25° S. on the decl. arc, 57°23° on the co-lat. arc and determine a mer. with the solar at this cor. Nov. 15th, 1910.
	East on a random line bet. secs. 20 and 29.
40.00 80.30	Set a temp. 1 sec. cor. Fall 36 lks. N. of the cor. of secs. 20, 21, 28 and 29.
39.10	Thence I run \$3.45 W on true line bet. secs. 20 and 29 along S. slope of high mountain ridge. Canon, 10 lks. wide, course SW. Nov. 16th: At 3h, p. m., l. m.t., I set off 18.40'30"S, on the decl. arc, and 57.23' on the co-lat. arc, and determine a mer. with the solar at this cor. Ascend.
40.15	Set a malpais stone, $18x9x6$ ins., 12 ins. in the ground for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
60.00 80.30	
	Soil 4th rat e. Grass good.
	Note: The sky was overcast at noon and solar obs. at that time impossible.
-	Nov. 16th, 1910.

N.89.53 W. on a random line bet. secs. 19 and 30.
40.00 Set a temp. 1 sec. cor.
80.25 Intersect the W. bdy. of the township at a point 10 lks.
N. of the cor. of secs. 19, 24, 25, and 30. Previously described Theme I run S.89.57 E. on a true line bet. secs 19 and 30.
Ascending over steep rocky ground. W. slope of mountain.

Subdivisional Lines of T. 9 S., R. 31 E.

	1	
	Chains.	
• .	40.25	for the 1 sec. cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 11 ft. high, N. of cor. Nov. 17th: At this cor., I set off 18°54'S. on the decl. arc, and at 11h.45m.a. m., 1. m. t., I obs. the sun on the mer., the resulting lat. is 32°37'. N
	60.00	Thence ascending almost vertical cliffs which bear N. and S. Nov. 17th: - At 3h, p. m., l. m. t., I set off 18.55'30" S. on the decl. are, 57.23' on the co-lat. arc, and determine a mer. with the solar at this point.
	80.25	The cor. of secs. 19, 20, 29 and 30. Land mountainous and extremely difficult to survey. Soil 4th rate. No timber. Good grass.
		Nov. 17th, 1910.
	•	N.007'W. bet. secs. 19 and 20, descending over rough rocky ground.
	40.00	Set a malpais stone, 15x8x8 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W. face, and raise a mound of stone, 2 ft. base, 11 ft. high, W of cor.
		Nov. 18th: At this cor., I set off 19.8 30 5 on the decl. arc, and at 11h.45 a.m., 1.m. t, I obs. the sun on the mer., the resulting lat. is 32.38 . N
	40.20 50.00 60.00 64.00 77.50 80.00	Top of ascent bears NE. and SW. Descend. Canon, 10 lks. wide, course NE. Ascend. Top of ascent bears NE. and SW. Descend. Canon, 10 lks. wide, course NF80°E. Ascend.
		Nov, 18th: - At 3h, p. m., l. m. t., I set off 19.0'S. on the decl. arc, 57.22' on the co-lat. arc, and determine a mer. with the solar at this cor.
	1	The flag on the cor. of secs. 16, 17, 20 and 21 being visible, I run N.89.56 E. on a true line for bearing and a random line for distance.
	20.00	Knock off for night. Nov. 18th, 1910.
	40.00 80.30	
	23.30	Canon, 15 lks. wide, course N. Ascend over sliding rock.
	34.00 40.15	
	-50.00	Nov. 19th: - At this point, I set off 19°23'S. on the dedl.

Subdivisional Lines of T. 9 S., R 31 E	Su	ibd	iv	isi	onal	Lines	of	T_{\bullet}	9	S.,	\mathbf{R}_{\perp}	31	E
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chains.	arc and at lih.45m.am., l. m. t., I obs. the sun on the mer., the resulting lat. is 32.38. N.
60.00 80.30	The cor. of secs. 17, 18, 19 and 20. Land mountainous. exceptionally difficult to survey.
·	Good grass. Soil 4th rate
	· · · · · · · · · · · · · · · · · · ·
10.00	on the decl. arc, 57.22' on the co-lat. arc, and determine
27.00	a mer. with the solar at this point. Top of high rocky ridge bears N. and S. Discontinue work for the night. Nov. 19th, 1910.
40.00 80.40	Intersect the W. bdy. of the township at a point 1 9 lks. N. of the cor. of secs. 13, 18, 19 and 24, previously described.
40.40	Thence I run, N.89.55 E. on a true line bet. secs. 18 and 19, ascending over rough rocky ground, W. slope of high mountain ridge.
40.40	Set a malpais stone, 18x8x7 ins., on rocky ground, in mound of stone, for the \(\frac{1}{2}\) sec. cor., mkd. \(\frac{1}{2}\) on N. face, and raise a mound of stone, 2 ft. base, 1 \(\frac{1}{2}\) ft. high, N. of cor.
-	Nov. 21st: At this cor. I set off 19.50%'S. on the decl. arc, and at 11h.46m, a. m., 1. m. t., obs. the sun on the mer., the resulting lat. is 32.38. N
,	Thence up almost vertical sid of mountain.
53,40	Top of high mountain ridge bears N. and S. Nov. 21st: At 3h, p. m., l. m. t., I set off 19.51½ S. on the decl. arc, 57.22 on the co-lat. arc, and determine a mer. with the solar at this cor.
80.40	Thence descend over rough rocky ground. The cor. of secs. 17, 18, 19 and 20. Land mountainous and exceptionally difficult to survey.
	Soil 4th rate grass good. Nov. 21st, 1910.
	N.0°7'W. bet. secs. 17 and 18 along East slope of mountain ridge. Ascending.
40.00	Set a malpais stone, 18x8x8 ins., 12 ins. in the ground for the 1 sec. cor., mkd. 1 on W face, and raise a mound of stone, 2 ft. base, 11 ft. high, W of cor.
60.00	Top of ridge bears NE. and SW. Nov. 22nd: At this point I set off 20°3½'S, on the decl. arc, and at 11h.46m.a. m., 1. m. t., I obs. the sun on the mer., the resulting lat. is 32°39'.N
78.00 80.00	Descend. Canon, 50 lks. wide, course NE. Ascend. Set a malpais stone, 15x9x6 ins., 10 ins. in the ground for the cor. of secs. 7, 8, 17 and 18, mkd. with 4 notches on the S. and 5 natches on the E. edge, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Land mountainous, exceptionally difficult to survey. Soil 4th rate. Grass good.
10.00	N.89°56'E. on a random line bet. secs. 8 and 17. Nov. 22nd: At 4h., p. m., l. m. t. I set off 20°4'S. on the decl. arc, 57°21' on the co-lat. arc and determine

24.	Subdivisional Lines of T. 9 S., R. 31 E.
Chains.	
40.00 80.35.	a mer. with the solar at this point. Set a temp. ‡ sec. cor
17.00 37.00 40.17	Ascend. Top of mountain peak on S. side. Descend. Set a malpais stone, 15x9x7 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 11 ft. high, N. of cor. Nov. 23rd; - At 11h.46m; a.m., 1.m. t., I set off 20°161'S. on the decl. arc, and obs. the sun on the mer., the resulting lat. is 32°39'. N
71.00	Canon, 50 lks. wide, course N. Ascend.
75.00 78.00 80.35	Descend. Canon, 25 lks. wide, course NE. Ascend. The cor. of secs. 7, 8, 17 and 18. Tand mountainous. soil 4th rate. Grass good. This line was exceptionally difficult to survey for 80.35
	Nov. 23rd: At 3h, p. m. l. m. t., I set off 20°17½ S. on the decl. arc, 57°21' on the co-lat. arc, and determine a mer. with the solar at this cor.
	S.89°55°W. on a random line bet. secs. 7 and 18.
40.00	
80.36	Set a temp. ½ sec. cor. Intersect the W. bdy. of the township at a point 2 lks. S of the cor. of secs. 7, 12, 13 and 18, previously described. Thence I run, N.89°56 E. on a true line bet. secs. 7 and 18.
18.00 35.65	Ascending. Top of high hountain ridge bears N. and S. Descend. Nov. 24th: - At 4h, p. m., l. m. t. I set off 20°29'S. on the decl. arc, 57°21', on the co-lat. arc, and determine
38.50 40.36	a mer. with the solar at this cor. Canon, 20 lks. wide, course N.80°E. Ascend. Set a malpais stone, 15x10x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 11 ft. high, N. of cor. Low ridge, runs back SW. to top of mountain. Descend.
60.00 80.36	Land mountainous and exceptionally difficult to
	Soil 4th rate grass good.
	Sky overcast at noon. Nov. 24th, 1910.
15.00 34.00 40.00	N.0°7'W. bet. secs. 7 and 8 Ascending. Ridge bears NE. and SW. Descend. Canon, 50 lks. wide, course NE. Ascend, Set a malpais stone, 15x8x6 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 1 on W. face, and raise a mound of stone, 2 ft. base, 12 ft. high, W of cor. Top of rocky ridge bears NE. and SW. Descend.
49.00 67.00 80.00	Set a malpais stone, 20x7x4 ins., 15 ins. in the ground for the corner of secs. 5, 6, 7 and 8, mkd. with 5 notches on the S. and E. edges, and raise a mound of stone, 2 ft. base, 1½ ft. high. W of cor.
	Nov. 25th: At this cor., I set off 20°41'S. on the decl. arc, and at 11h.47m.a. m., 1. m. t., I obs. the sun on the mer., the resulting lat. is 32°40' N Land mountainous and exceptionally difficult to
-	in the same of the

Chains. survey. Soil 4th rate. Grass good. N.89°55'E. on a true line bet. secs. 5 and 8, for direction, and a random line for distance? The flag on the cor. of secs. 4, 5, 8 and 9 being visible. 40.000 Set a temp. 1 sec. cor. 80.40 Intersect the cor. of secs. 4, 5, 8 and 9. Thence I run S.89.55 W. on a true line bet. secs. 5 and 8 along S side of mountain peak. Commence steep descent.
Canon, 10 lks. wide, course N. Ascend.
Top of ascent, descend.
The point for the 1 sed. cor. will fall in bed of canon where its destruction will be inevitable.

Set a malpais stone, 17x6x5 ins., 11 ins. in the ground for the witness corner to the 1 sec. cor., mkd. WC1 on N face, and raise a mound of stone, 2 ft. base, 12 ft. High, N. of cor.

Nov. 25th: At 3h, p. m., 1 m. t., I set off 20.42 S. on the decl. arc, 57.20 on the co-lat. arc, and determine a mer. with the solar at this cor. 20.00 30.00 Point for 1 sec. cor., Canon 60 lks. wide, course N. Ascend. 40.20 The cor. of secs. 5, 6, 7 and 8.

Land mountainous and exceptionally difficult to survey. Grass good. Soil 4th rate. Nov. 25th, 1910. S.89.56'W. on a random line bet. secs. 6 and 7.
Set a tamp. 1 sec. cor.
Intersect the W. bdy. of the township at a point,
37 lks. N. of the cor. of secs. 1, 6, 7 and 12, previously 40.00 80.40 described. Thence I run, N.89.40 E. on a true line bet. secs. 6 and 7. Ascending over steep and precipitous ground. 10.00 Canon, 15 lks. wide, course N.80 W. Ascend.

Fence bears N. and S. Drift fence cattle company.

Set a malpais stone, 15x10x7 ins., 10 ins. in the ground for the 1 sec. cor., mkd. 4 on W. face, and raise a mound of stone, 2 ft.base, 1½ ft. high, N. of cor. Top of ridge bears N. and S. 20.00 40.40 Descend. The cor. of secs. 5, 6, 7 and 8.

Land mountainous, exceptionally difficult to sur-80.40 vey. Soil 4th rate Grass good. Nov. 26th: At this cor., I set off 20°52 S. on the decl. arc, and at 11h.42m.a. m., 1. m. t., I obs the sun on the mer., the resulting lat. is 32°40°. W. N.007'W. on a random line bet. secs. 5 and 6. Set a temp. 1 sec. cor.
Intersect the N. bdy. of the township at a point 50 lks.
W. of the Cor. of secs. 5, 6, 31 and 32, previously de-40.00 79.81

scribed, Thence I run

Subdivisional Lines Of T. 9 S., R. 31 E.

Chains. S.0.14 W. on a true line bet. secs. 5 and 6, ascending. Top of mountain peak, runs SE and W. Flat top.
Set a malpais stone, 20x10x6 ins., 15 ins. in the ground for the \$\frac{1}{2}\$ sec. cor., mkd. \$\frac{1}{2}\$ on W. face, and raise a mound of stone, 2 ft. base, 1\$\frac{1}{2}\$ ft. high, W. of cor.

Nov. 26th:-26.00 39.81 At 3h, p. m. l. m. t., I set off 20°53½'S. on the decl. arc, 57°20' on the co-lat. arc and determine a mer. with the solar at this cor. 49.00 79.81 Descend. The cor. of secs. 5, 6, 7 and 8.

Land mountainous and exceptionally difficult to survey. Soil 4th rate. Grass good.

Nov. 26th, 1910.

GENERAL DESCRIPTION T. 9 S., R. 31 E.

There are no settlers in this township. There were some people living in section 1 but they have left and their neighbors in the adjoining township have just about removed everything they put on the land.

The Eastern part of this township is fairly level.
The Western part is very rough. There is good grass all over the township and immense herds of cattle graze on this township. There are no wells or springs or water holes that I could find in the township. Hauled all my water from Duncan about 7 miles to my camp.

Hugh F. Dallal S. D. S.

LIST OF NAMES.

A list of the names of the individuals employed by	BOOK 227
, United States Deputy Surveyor, to assist	in running, measuring, and
marking the lines and corners described in the foregoing field notes of the sur	•
showing the respective capacities in which they acted:	
	, Chainman.
	, Chainman.
·	
	•
FINAL OATH OF ASSISTANTS.	, 2 tag.
We hereby certify that we assisted	
, United States Deput	y Surveyor, in surveying all
those parts or portions of the	
·	
	of the
of	, which are represented
in the foregoing field notes as having been surveyed by him and under his din has been in all respects, to the best of our knowledge and belief, well and corner monuments established, according to the instructions furnished by General for	faithfully surveyed, and the
. <u></u>	, Flagman.
Subscribed and sworn to before me this	
•	
9 SEAL 9 0000000	

1 4,	L OATH OF UNITED STATES DEPUTY SU	
	, United S	
	, in pursuance of a contract received from yor General for	
	of, 19 , I have well, faithf	
	in strict conformity with the instructions furnished by th	
	the Manual of Surveying Instru	
	eyed all those parts or portions of	
<u> </u>	of th	e
	meridian, in the of, w	hich are represented in t
foregoing field notes	as having been surveyed by me, and under my direction;	and I do further solemn
swear that all the co	rners of said survey have been established and perpetuate	d in strict accordance w
	ying Instructions, and the special written instructions of the	
	and in the specific manner described	in the field notes, and the
the foregoing are th	e original field notes of such survey.	
		ed States Deputy Survey
	C Teste	Source Deputy Survey
Subscribed by said.	, and sworn to before me	
this	day of, 19	
-		
	APPROVAL.	
	OFFICE OF THE UNITED STATES SURVEYOR GENER	AĻ,
)
	Thomas Con	Tarry /3 , 19/
	field notes of the survey of the Outhinsians lu	us 1 T. 9()
The foregoing	- Med tetra coment (Region A th)	. 1/2 /
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The foregoing 3 / 3 / 8	2,31E	est Buller
The foregoing	I 3/E El El Daet Clus	Dose las
The foregoing 3 / 8	I 3/ E Gla Walt Clur	Dose las
The foregoing 3 / 8	I 3/E Gla Walt Chur	Dose las
The foregoing 3 to 8 to 1	231E Els El Daet Clus	Dose las
A T. 9D. Mendian	List De Du Wel Wild	Dose Mad
Handran (Life July Jales Clus Charles July John May 16	Jose May
A 7.70 Mendian executed by under his contract P	Life Salt Clus Life Salt Clus	, ,
Mendian (, ,
Mendian (executed by under his contract A critically examined,	and the necessary corrections and explanations made, the	,
Mendian (and the necessary corrections and explanations made, the e, are hereby approved.	19/0, having be said field notes, and to States Surveyor Gener
Mullan Mullan executed by under his contract P critically examined, surveys they describ	and the necessary corrections and explanations made, the e, are hereby approved. United	e said field notes, and to
Mendan Me	and the necessary corrections and explanations made, the e, are hereby approved.	e said field notes, and to the said field notes, and the said field notes fie