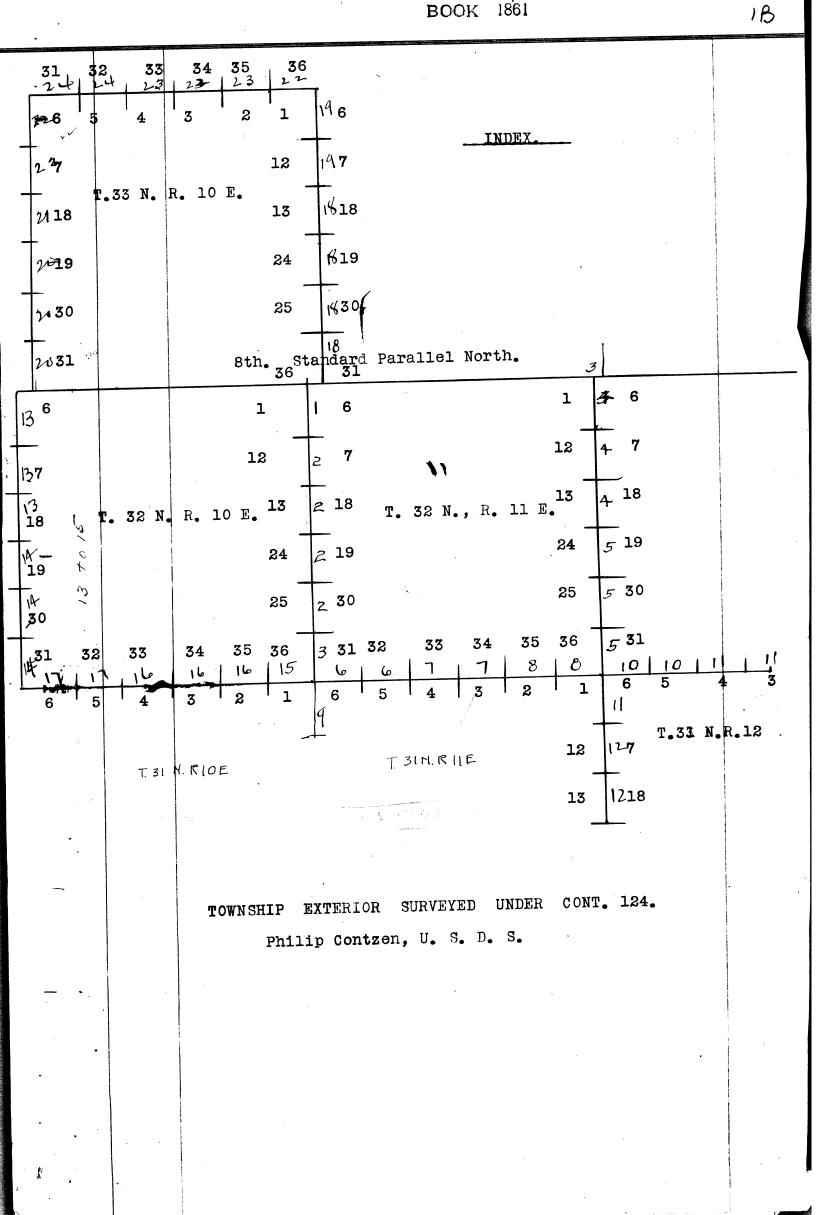
FIELD NOTES

OF THE SURVEY OF THE

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2)-	L	EAST, WEST	. & SOL	TH BOU	NDARIES	OF T.	32 N.	R. 1.	1 E. ~	
,	<u> </u>	WEST BOUNI	DARY OF	T. 31	N., R.	11 E.				
		NORTH & WI	est bot	JNDARIE	s of T.	31 N.	, R. 1	21E.		
	2	SOUTH & WI	est bot	INDARLE	s of T.	32 N.	, R. 1	0 E.		
	7	NORTH, EAS	st & Wi	est Bou	NDARIES	OF T.	33 N.	, R.	10 E.	
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,	·			AS SI	JRVEYI	ED BY				
	•	Philip	contz	en,		, <i>l</i>	Inited	States	Deputy	Surveyor
	Under his	s Contract No	. 124	, (dated	Dec.	12, 4	905.		, 189
٠. کر. ۱	Survey co	mmenced	April	20th,	1905.			4		, 189
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	Survey co	mpleted								

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	we will repor	t the true o	listances to	all notable	objects, a	nd the to	rue length	ns of all	lines tha	at we assist	in
	measuring, to	the best of	' our skill an	d ahility an	d in sees	.don oo:	47				-
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	V.E.,	<u> </u>		Pagi							
	do solemnly s	swear that	we will we	ll and truly	y perform	the duti	ies of mo	undmen	in the	establishmer	$_{ m nt}$
	of corners, ac 6 - 11 - 1 11 + 11 - 1	1. bon	ndarie	John given	us, to the	e best of	our skill	and abi <i>un ola</i>	lity, in	the survey of	of 1.118
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	WE.	Mi	muel	Sall	1 2	,					
(lo solemnly sw						axmen in	the esta	blishme	at of corner	
8	and other dutie	es, accordin	ng to instruc	tions given	us, to the	e best of	our skill	and abi	lity, in t	the survey o	s of
-	MA JA	boun	charce	sus g	.32 M	11. R.12	2 E -	. bom	olary A.M.	of 9 3/1	PASIE
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b	oundar	ies of	9. 327	M. R. 10 E	- 11	-18 x	NO	and a	arees	Flaaman	n.R.108
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Chs.

Survey commenced April 20th, 1905 and executed with a Young & Son's Light Mt. Transit, No. 5607; with Solar attachment. The hor'l. limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is the least count of the verniers of the lat. and decl. arcs.

The instrument was tested on the meridian at Phoenix, Ariz. and duly approved by the Surveyor-Gen'l. I examine the adjustments of the transit and find

I examine the adjustments of the transit and find them correct; then to test the solar apparatus by comparing its indications, resulting from solar observations made during a. m., and p. m. hours with a mere determined by obs. on Polaris, I proceed, as follows—April 20th, 1905—At the Stand. Cor. of Tps. 33

April 20th, 1905— At the Stand. Cor. of Tps. 33
N., Rs. 10 and 11 E, as heretofore described, I set
off on the lat. arc 36° 13'.N., and 11° 33' N., on
the decl. arc, and at 3 hours, 31 mins. p. m., 1.m.t.,
by my watch which has correct time, determine with the
solar a mer. and mark a point thereof on a stone set
firmly in the ground, 5 chs. N. of my station.
April 20, 1905.

April 21st, 1905, At 5 hs. 24 1/2 a. m., l. m. t., I observe Polaris at E. elongation, in accordance with the manual of surveying instructions, and mark a point on the line thus determined, on a plug drive in the ground. 5 chs. N. of my station.

in the ground, 5 chs. N. of my station.

At 6hs. 20 mins. a. m. I lay off the azimuth of Polaris 1° 29' to the W. and mark the meridian thus determined, by cutting a small groove in the stone set yesterday, on which the meridian falls 0.18 ins. east of the meridian determined with the Solar.

At 7 hs. 31 mins. a. m., 1. m. t., 0 I set off 36° 13' N., on the lat. arc: 11° 47' N., on the decl. arc and determine a meridian with the Solar, by a cross on the stone already set, 5. chs. N. of my station; this mark falls 0. 3 ins., east of the mer. established by the Polaris observation.

established by the Polaris observation.

The mean mag. dec. of the meridian is 14° 41'E.

From the above results I conclude that the adjustments of the instrument sare satisfactory.

From the Stand. Cor. to Tps. 33 N., Rs. 10 and 11 E., I run WEST on the Standard and at 21.08 chs. Set a limestone, 18 x 7 x 5 ins., 12 ins., in the

set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for closing cor to Tps. 32 N., Rs.10 and 11 E., mkd. C C T 32 N. on the S. 10 E. on the W. and 11 E. on the E. faces, dig pits, 30 x 24 x 18 ins., crosswise on each line, E and W 4 ft. and S of stone, 7 ft. dist. and raise a mound of earth, 5 ft. base, 2 1/2 ft. high, S. of the cor.

From which cor. I run, South bet. secs. 1 and 6. Over rolling ridges of sand and sandstone ledges. Set a limestone. 18 x 6 x 5 ins., 12 ins., in the

From which cor. I run, south bet. sees. I and o. Over rolling ridges of sand and sandstone ledges. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N and G. of stone, 3 ft dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner. Set a limestone, 20 x 8 x 4 1/2 ins., 15 ins., in the ground for the cor. to secs. 1, 6, 7 and 12, mkd. with 1 notch on the N. and 5 notches on the S. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4ft. base,

Land rolling.
Soil sandy and rocky; 4th rate.
No timber.

40.00

 $r_{r}V$

80.00

(2)

(Continued).

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South bet. secs. 7 and 12.
 Chs.
                    Over rolling sandstone blocks and ledges.
                   Leave sandstone; thence over rough sand ledges.

Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable.

Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the cor. to secs. 7, 12, 13 and 18, mkd. with 2 notches on the N. and 4 notches on the S. edges; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the cor.
 24.00
 40.00
 80.00
                   1/2 ft. high, W: of the cor.
                   Pits impracticable.
                   Land rolling.
                    Soil sandy and rocky; 4th rate.
                   No timber.
                   South bet. secs. 13 and 18.
                   Over rolling land.
                  Set a limestone, 18x 6 x $\frac{1}{2}$ ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; and raise a mound of stones 2 ft. base, 1 1/2 ft.
40.00
     612
                  high, W. of the corner.
Pits impracticable.
65,00
                  Enter sage brush, bears easterly and westerly.
                  Road brs. northwesterly and southeasterly.

Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the cor. to secs. 13, 18, 19 and 24, mkd. with 3 notches on the N. and S. edges; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of
70.00
80.00
     rh 1/2
                   the corner.
                  Pits impracticable.
                  Land rolling.
                  Soil sandy and rocky: 4th rate.
                  No timber; undergrowth sage brush.
                  Dense undergrowth: 15.00 chs.
                 At 122 moon Leset off 11 500 m, on whr dec'l. arc/. and observe the sun on the meridian, resulting late is
                  86°10' N.,
                  South bet.
                                          secs. 19 and 24.
                  Over rolling land.
                  Through sage brush.
 12.00
                  Leave sage brush, brs. northeasterly and southwesterly.
 29,28
                Road brs. N. E. and S. W. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor. Set a limestone, 18 x 6 x 4 1/2 ins., 12 ins., in the ground for the cor. to secs. 19, 24, 25 and 30, mkd. with 4 notches on the N. and 2 notches on the S. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the cor.
Land rolling.
Soil sandy and rocky; 4th rate.
                  Road brs. N. E. and T. W.
 40.00
 80.00
                 Soil sandy and rocky: 4th rate. No timber: undergrowth sage brush.
                 Dense undergrowth; 12.00 chs.
                  South bet. secs. 25 and 30.
                 Over rolling land.
                 Through sage brush.
                 Set a limestone, 20 x 6 x 4 ins., 15 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base,
 40.00
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1 1/2 ft. high, W. of the corner.

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Chs.
               Trail, bears N. easterly and S. westerly.
Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground
for the corner to sections 25, 30, 35 and 36, marked
with 5 notches on the N. and 1 notch on the S. edges:
dig pits, 18 x 18 x 12 ins., in each section, 5 1/2 ft.
dist. and raise a mound of earth, 3 1/2 ft. base,
1 1/2 ft. high, W. of the corner.
Land rolling.
 78.90
80.00
               Land rolling.
               Soil sandy and rocky; 4th rate.
               No timber.
               Undergrowth; sage and canotillo brush. Dense undergrowth; 80.00 chs.
               South bet. secs. 31 and 36.
               Over rolling land.
               Descending through dense sage brush.
30,00
               Begin steep descent of the N. bank of the Moencopie
               canon.
               Set a limestone, 18 x 8 x 5 ins., 12 ins., in the ground for the 1/4 sec. cor., marked 1/4 S., on the W. faced dig pits, 18 x 18 x 12 ins., N. and S. 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft.
40.00
              high, W. of the corner.
               Branch, 6 lks. wide, course S. W. and ascend.
41.50
46.00
               Top.
47.50
               Leave dense sage brush, bears easterly and westerly and
               descend.
48.00
              Foot, and enter Moencopie Valley; bears easterly and
              westerly.
              Wire fence bears easterly and westerly.

Irrigating ditch, 8 lks. wide, course W. south-westerly.

Irrigating ditch, 8 lks. wide, course W. S. W.

Wire fence, bears N. by E., and W. S. W.

Road to Tuba City bears E. H. E. and W. S. W.

Wire fence, bears W. S. W. and E. H. E.

Brinkerhoff's house bears 3 c.s. E.
50.67
60.85
64,60
66,95
67.53
67.90
68,00
69,70
              Enter fruit orchard.
75.30
              Wire fence, bears north-easterly and south-westerly
              and leave ordhard.
78.27
              Wire fence bears N. W. and S. E.; and enter alfalfa
              Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground
80,00
              for the corner to townships 31 and 32 N., Rs. 10 and
              11 E., marked
                        T 32 N on the N E.
                        R 11 E on 3 E
              T 31 N on S W and
R 10 E on N. W faces; with 6 notches on each edge;
dig pits, 24 x 24 x 12 ins., on each line, N. E. and W.
4 ft. and S. of stone, 8 ft. dist. and raise a mound
of earth, 5 ft. base, 2 1/2 ft. high, S. of the corner.
              Land level, rolling and mountainous.
Soil sandy loam; gravelly and rocky; 2nd and 4th rate.
No timber; undergrowth, sage brush.
              Mountainous or land covered with dense undergrowth,
              48.00 chs.
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April 21st, 1905.

The East Boundary of Tp. 32 N., R. 11 E.

On April 22nd, 1905.I proceed to the Standard Cor. to Tps. 33 N., Rs.
11 and 12 E., as heretofore established and described, where at 8 hours, 3 minutes, a. m., 1. m. t., I set off 36° 13' N., on the lat. arc, and 12° 08' N., on the decl arc, and determine a meridian with the Solar, Thence I run.

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WEST on the Eighth Standard Parallel North, for a
Chs.
              distance of 23.19 chs., to a point where I establish
               the closing corner to Tp. 32 N., Rs. 11 and 12 E.,
              as follows-
                         Set a limestone, 20 x 10 x ins., 15 ins., in
               the ground for closing cor., marked
                         C C T 32 N on the S
                         R 12 E on the E
              and R 11 E on the W. faces; with 6 grooves on the S. E. and W., faces; dig pits, 30 x 24 x 12 ins., H. and W.4 ft. and S. of stone 8 ft. dist., and raise a mound of earth 5 ft. base, 2 1/2 ft. high, S. of
              the corner.
              Thence I run,
               South bet. secs. 1 and 6.
              Over sandstone ridges.
              Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W., face; dig pits, 18 x 18 x 12 ins., N. and S. 3 ft. dist., and raise a mound of stones, 3 1/2 ft. base, 1 1/2
40.00
              ft. high, W. of the corner.
48.00
              Begin steep ascent N. slope of high ridge.
52.00
              Top, bears easterly and westerly.
              Descend abruptly, 200 ft.

Set a sandstone, 20 x 6 x 6 ins., 15 ins., in the ground, for the corner to sections 1, 6, 7 and 12, marked with 1 notch on the N., and 5 notches on the S. edges; dig pits, 18 x 18 x 12 ins., in each section 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2ft. high, W. of the corner.
54.00
80,00
              Land mountainous.
              Soil, rocky and sandy: 4th rate.
              No timber.
              No timber. and dense brush, 80. to Cho. Mountainous land 80.00 chs.
              South bet. secs. 7 and 12.
              Over sandstone ledges and ridges.
              Leave sandstone and enter dense sage and rolling sand. Set a limestone, 18 x 7 x 4 1/2 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face;
26.00
40.00
              ground for 1/4 sec. cor. marked 1/4 on the w. face; dig pits, 18 x 18 x 12 ins., Marked 5.3 ft. st. dist., and raise a mound of earth, 3 1/2 ft. pase, 1 1/2 ft.
             high, W. of the corner.

Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the corner to sections, 7, 12, 13 and 18, marked with 2 notches on the N., and 4 notches on the S. edges: dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth, 12 ft. base, 2
80,00
              ft. high, W. of the corner.
Land rolling and mountainous.
              Soil, sandy and rocky; 3rd and 4th rate.
              No timber.
              Mountainous land 80.00 chs.
               South bet. secs. 13 and 18.
               Over rolling sand.
               Through sage and canotillo brush.
              Set a limestone, 24 x 12 x 10 ins., 18 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W faced dig pits, 18 x 18 x 12 ins., N. and S. 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2
40.00
               ft. high, W. of the cor.
              Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the corner to sections, 13, 18, 19 and 24, marked with 3 grooves on the N. and S. edges; dig pits, 18 x 18 x 12 ins., in each section, 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of
80.00
   6/2
               the corner.
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5)	The EAST boundary of Tp. 32 N., R. 11 E. (Continued).
Chs,	Land rolling. Soil sandy: 4th rate. No timber: undergrowth sage brush.
	South bet, sees, 19 and 24. Over rolling land. Through dense sage brush.
40.00	Road bears N. E. and S. W. Set a limestone. 24 x 14 x 4 ins. 18 inc. in the
o Ka	dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist. and raise a mound of earth. 3 1/2 ft. bess. 1 1/2
80,00	Set a limestone 10 m C m C m
or.	with 4 grooves on the N., and 2 grooves on the S., edges; dig pits, 18 x 18 x 12 ins., in each section, 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base
e year	Land rolling.
	Soil sandy and gravelly; 3rd and 4th rate. No timber; undergrowth sage brush.
	South bet. secs. 25 and 30. Over sandstone ledges.
18.00 40.00	Leave sandstone ledges; thence over rolling sand.
* 0 K	dig pits, 18 x 18 x 12 ins., N. and S., 3 ft. dist., and raise a mound of earth. 3 1/2 ft. base. 1 1/2 ft.
80.00	
O'A	ground for the corner to sections, 25, 30, 31 and 36, marked with 5 notches on the N., and 1 notch on the S., edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner.
	Land rolling and mountainous. Soil sandy and rocky: 4th rate. Mountainous land 18.00 chs.
	South bet. secs. 31 and 36. Over mountainous land.
25.00 33.00	Begin steep descent. Foot, and enter Moencopie Valley bears north-easterly
40.00	Set a limestone, 18 x 6 x 5 ins. 12 ins. in the
	dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist., and raise a mound of earth. 3 1/2 ft. base.
46.36 58.60	1 1/2 ft. high, W. of the corner. Road bears northwesterly and southeasterly and descend. Right Bank of Moencopie Wash, bears north-easterly and south-westerly; descend 30 ft.
61.70 68.00	Left Bank of Moencopie wash, Leave valley and ascend.
80.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the corner to Tps. 31 and 32 N., Rs. 11 and 12 E., marked
	T 32 N on the N E F R 12 E on the S E F T 31 N on the S W and
	R 11 E on the N. W. faces; dig pits, 24 x 24 x 12 ins., on each line, N. E. and W. 4 ft. and S. of stone 8 ft. dist. and raise a mound of earth, 5 ft. base, 2 ft. high, S. of the corner.
	Land mountainous. Soil sandy loam, gravelly and rocky.
	Cantonal Min Loonja

20.00

40.00

southerly.

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( Concluded. )
               2nd and 4th rate.
Chs.
              No timber.
              Mountainous land 45,00 chs.
                                                                                   April 22nd. 1905.
              The South Boundary of Tp. 32 N., R. 11 E.

April 23rd, 1905, I set off 36° 02' N., on the Lat.

Pac and 12° 28' N., on the decl. arc, and at 8 hours,
              2 minutes, a. m., i. m. t., I determine a true meridian with the Solar at the corner to Tps. 31 and 32 N., Rs.
               10 and 11 E., as heretofore established and described
               by me.
               Thence I run,
               EAST, on a random line, along the south boundary of Tp.
              22 N., R. 11 E., setting temporary 1/4 and sec. cors., at intervals of 40. chs., (set 1st 1/4 cor. at 38. 42 ch. pt.) and at 478.44 chs., intersect the east boundary of the Tp. at the corner to Tps. 31 and 32 N., Rs. 11 and 12 E., heretofore established and described by me; thence I run, WEST bet. secs. 1 and 36, on a true line, over mountainous land.
               ainous land.
               Ascending.
  4.00
               Top of mess.
14.00
33.00
               Descend abruptly 80 ft; thence descend.
               Foot.
               Edge of S. bank of the Moencopie Wash, and descend
35.50
               Edge of S. bank of the Moencopie wash, and descend abruptly 40. ft.

Cross South edge of wash, course N. W.

The point for 1/4 sec. cor. falls in overflowed land.

Ascend vertical, 30 ft. top bears N. and S.

Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for witness corner to the 1/4 sec. cor., marked W. C. 1/4 on the W. faces dig pits, 18 x 18 x 12 ins.,

E. and W. of stone, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the cor.

Left bank of Moencopie Wash and descend abruptly 20 ft.
36,30
40.00
46.30
 47,00
 49,90
               ft. mencopie Creek solks. wide course Sw.
Roght bank of Mooncopie wash and cascond abruptly
25 ft., top bears Heasterly and Swesterly.
50,30
53.50
                Road bears north-easterly and south-westerly and ascend
 58,30
 64.70
                Top bears northerly and southerly.
               Set a limestone, 20 x 10 x 6 ins., 15 ins., in the ground for the corner to secs. 1, 2, 35 and 36, marked with 1 notch on the E., and 5 notches on the W. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft.
 80.00
   C for
                high, W. of the corner.
                Land mountainous and level.
                Soil, sandy loam and gravelly 2nd and 3rd rate.
                No timber.
                Mountainous land 50,00 chs.
                                                                                April 23rd, 1905.
                April 24th, 1905, at the corner just previously set and described by me, I set off 36° 08 N., on the Lat
                arc 12° 48° N., on the decl. arc and determine a meri-
dian with the Solar; Thence I run,
                WEST bet. secs. 2 and 35. Over rolling land.
                Descending.
    4.00
                Old stone house bears 6 chs. S.
                Enter canotillo and sage brush bears northlery and
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Set a limestone, 20 x 8 x 4 ins., 15 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. faces

The South Boundary of Tp. 32 N., R. 11 E. (Continued).

```
Chs.
              dig pits 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base,
              1 1/2 ft. high, N, of the cor.
 74.00
              Begin steep ducent.
 76.50
              Foot bears N. E. and S. W.
              Ascend.
Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the corner to secs. 2, 3, 34 and 35, marked with 2 notices on the E., and 4 notches on the W., edges; dig pits, 18 x 18 x 12 ins., in each sec., 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner.
80.00
   c/m
              Land rolling and mountainous.
              Soil sandy; gravelly and rocky; 3rd and 4th rate.
              No timber, undergrowth sage.
              Mountainous land covered with undergrowth; 60 chs.
              WEST bot. secs. 3 and 34.
              Over mountainous land.
  2.24
              To edge of bluff, 70 ft. high,
  2.70
              Foot,
             Owing to the high banks of the Moencopie Wash, which crosses this line a number of times, I offset at this
             point, 4 chs., to the North; thence I run on offset lines WEST 32.00 chs., thence South on offset 4.00
             chs., back to true line,

Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground
for the 1/4 sec. cor., marked 1/4 on the M. face; dig
pits. 18 x 18 x 12 ins., E. and W. of stone, 3 ft.
dist., and raise a mound of earth, 3 1/2 ft. base,
1 1/2 ft. high. N. of the corner.

Dam bears N. and S. and Elevent
Ascend vertical 40 ft. Top of spur of mesa bearsmn. E.
and S. W. and descend.
40.00
52.00
63,00
65.70
             and S. W. and descend.
66.90
             Foot, and ascend.
68.00
68.70
             Top bears N. and S.
             Descend abruptly, 30 ft.
Foot, wire fence bears N.W. and S. E.
Road bears N. W. and S. E.
77.60
77.70
78.50
             Branch, 30 1ks. wide, course northerly and ascend
             vertical 30 ft.
             Top bears N. and S.

Set a limestone, 20 x 8 x 4 ins., 15 ins., in the ground for the corner to sections 3, 4, 33 and 34, marked with 3 motches on the E. and W. edges; dim pits, 18 x 18 x 12 ins., in each section, 5 1/2 ft. dist., and
79.57
80.00
             raise a mound of earth, 4 ft. base, 2 ft. high, W. of
             thé corner.
             Land mountainous.
             Soil sandy and rocky; 4th rate.
             No timber.
             Mountainous land 80.00 chs.
             WEST bet. secs. 4 and 33.
             Over level land.
   2.07
             Descend abruptly 20 ft, and enter Moencopie Wash,
             course S. W.
   5.00
             Leave wash and ascend vertical 60. ft.
 12.10
             Descend.
 13.00
             Foot, and enter Moencopie Wash, course N. W.
 18.73
             Descend steeply.
             Foot and enter Moencopie Wash, course south-westerly. Leave wash and ascend.
 19.50
 19,80
 20.00
             Top of S. bank of Wash.
 21.00
             Enter corn field.
 29.00
32.73
            Wire fence bears N. and S. and leave corn field. Irrigating dich, 8 lks. wide, course southerly.
 38.50
             Stone house bears about 8 chs., N.
```

3 tal	Chs. 40.00 43.80 54.00 71.00 73.50 74.25 79.00 80.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., M. and W. of stone, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the Cor. Enter corn field. Road bears northerly and southerly. Leave corn field. Dry reservoir 70 1ks. wide. Branch, 10 1ks. wide, course N. W. Ascend bank. East side of reservoir. The point for the corner of sections 4, 5, 32 and 33 falls in reservoir. Set a limestone, 18 x 7 x 4 1/2 ins., 12 ins., in the ground for witness corner, to the corner of sections, 4, 5, 32 and 33, marked W. C. 4 hotches on the H., and 2 notches on the W. edges; dig pits, 18 x 18 x 12 ins., in each section, 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land level, broken and mountainous. Soil sandy loam gravelly and rocky; 2nd and 4th rate. No timber. Mountainous land 15.00 chs.	
	41.50 80.00	WEST bet. secs. 5 and 32. Over level land. From the corner point in reservoir. Leave reservoir. Witness corner: thence over gradually rising ground. Top of spur from the south side of valley and descend. Set a limestone, 18 x & x 4 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face: dig pits, 18 x 18 x 12 ins., F. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, F. of the corner. Foot, of descent bears northerly and southerly. Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the corner to secs. 5, 6, 31 and 32, marked with 5 notches on the E., and 1 notch on the W. edges; dig pits, 18 x 18 x 12 ins., in each section, 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling. Soil, sandy and gravelly: 3rd and 4th rate. No timber.	
	21.56 23.68 31.95 40.00 40.48 47.77 47.81	Moencopie wash, clear water, gentle current, 1 ch. wide, course southwesterly. Enter alfalfa field. Leave field. Enter barley field. Enter alfalfa field and leave barley field. Wire fence bears N. E. and S. W. and leave alfalfa field. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, H. of the corner.	

(Continued).

32

Chs.	,
71.05	Wire fence bears N. W. and S. E.
71.10	Irrigating direh, 10 lks. wide, course N.W.
76.00	Brinkerhoff's house, bears 7 chs. N.
77.03	Wire fence bears N. W. and G. E.
78.44	The corner to Tps. 31 and 32 N., Rs. 10 and 11 E., as
	heretofore established and described by me.
	Land level and gently rolling.
	Soil sandy loam and gravelly: 1st, 2nd, and 3rd rate.
	No timber. April 24th, 1905.

General Description.

This line runs principally through the Moencopie Valley, partly over cultivated land and partly over the banks of the Canon, most of the farms of the Moqui Indians are partly south and north of this line.

NOTE- In establishing the boundaries of this township I did not find any corners that were established by Charles von Erxleben, Deputy Surveyor.

Boundaries of Tp. 32 N., R. 11 E.

Latitudes, departure and closing errors.

Lin	e Desig	nated I	True Bearing	Distance	N.	5.	E.	W.
Sou	th Bound	ary	WEST.	478.44	الفيق طليق النبي اللكية والذي والفت الأفك اللك	ر میزین دهیچ داناین دایش اشدی اکتبی افتای اکافی ا	47	8.44
Wes	t Bounda	ry	NORTH.	480.00 ×	48000	V		
8th. St	and, Par	1. N.	EAST.	477.89	eriese en	. A	477.89	
Eas	t Bounds	ry.	South.	480,000		480.09	, v	
Con	vergency	•					• 53	
	Totals	•			480.00	480.00	478.42	478.44
	Erı	or in lat.	•	disd	480.00 0.00	V Error	in Dep.	0.07
					•			

The West Boundary of Tp. 31 N., R. 11 E.

At the corner of Tps. 31 and 32 N., Rs. 10 and 11 E., heretofore described by me, On April 25th, 1905, at 7 hours, 28 1/2 minutes, a. m., 1. m. t., I set off 36° 02° N., on the Lat. arc, 13° 07 N., on the decl. arc and determine a meridian with the Solar. Thence I run, South bet. secs. 1 and 6. Over level land.

Irrigating ditch, 10 lks. wide, course north-westerly. Enter corn field.

Wire fence bears E. N. E. and W. S. W.

Irrigating ditch, 10 lks. wide, course west south westerly and leave corn field. Wire fence bears W. N. W. and E. S. E.

25.15 Descend.

11.00

15.76

15,86

25.13

26,00 Brook branch, 20 lks. wide, course westerly.

i wash

The West boundary of Tp. 31 N., R. 11 E. (Continued).

7		
١	Chs.	
١	26.30	Ascend.
١	26.56	Top of bank.
	31.00	Ascend.
Ì	32.10	Top.
	33.00	Descend.
Ì	33.50	Foot.
	40.00	Set a limestone, 18 x 6 x & 1/2 ins., 12 ins., in the
	6,7 *	ground for 1/4 sec. cor. marked 1/4 on the W. face, dig
	0	pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft.
Ì		dist, and raise a mound of earth, 3 1/2 ft. base,
		1 1/2 ft. high, W. of the cor.
	61.00	Begin steep ascent.
	63.00	Top bears easterly and westerly.
	64.60	Top of bluff 100 ft. high, and leave Moencopie canon,
		course westerly.
	80.00	Set a limestone, 18 x 6 1/2 x 5 ins., 12 ins., in the
		ground for the corner to secs. 1, 6, 7 and 12, marked
		with 1 notch on the N. and 5 notches on the S. edges;
-		dig pits, 18 x 18 x 12 ins., in each section, 5 1/2
		ft., dist., and raise a mound of earth, 4 ft. base,
		2 ft. high, Wy of the corner.
		Land rolling level and broken.
		Soil, sandy loam; gravelly and rocky.
		No timber
		Undergrowth sage and canotillo brush.
		NOTE- At this point I discontinue the survey of
		this line owing to high bluffs and deep canons.
		ATTECH TO THE PROPERTY OF THE
	i .	

Description. Ceneral

Township 31 N., R. 11 E., is a sandy and rocky waster, traversed by box canons and deep gulches and There are no settlers in the township. ravines.

The North boundary of Tp. 31 N., R. 12 E.

April 26th, 1905. At the corner of Tps. 31 and 32 N., Rs. 11 and 12 E., previously established and described by me I set off 36° 07' N., on the Lat. arc, 13° 26' N., on the decl arc and at 7 hours, 26 minutes a minutes and at 7 hours, 26 minutes a. m., 1. m. t., I determine a meridian with the Solar. Thence I run,

East bet. secs. 6 and 31.

Over rolling sand.

Enter dense sage and canotillo, bears N. and S. 13.50 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N., face: dig 38,40 78.40

ror 1/4 sec. cor. marked 1/4 on the N., face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of the corner. Set a limestone, 20 x 7 x 4 1/2 ins., 15 ins., in the ground for the corner to secs. 5, 6, 31 and 32., mkd. with 5 notches on the E., and 1 notch an the W. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling. Land rolling. Soil sandy: 4th rate.

No timber.

Undergrowth sage and canotillo brush.

EAST, bet. secs. 5 and 32.

The North Boundary of Tp. 31 N., R. 12 E. (Continued).

-		
	Chs.	Over rolling sand.
	01115	Through sage and canotillo brush.
	40.00	Set a limestone, 18 x 6 x 4 1/2 ins., 12 ins., in the
	20,00	ground for 1/4 sec. cor. marked 1/4 on the N. face;
		dig pits, 18 x 18 x 12 ins. E. and W. of stone
		3 ft. dist., and raise a mound of earth, 5 1/2 base,
-		1 1/2 ft. high, N. of the cor.
ı	80.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground
ı		for the corner to secs. 4, 5, 32 and 33, marked with
ı		4 notches on the E., and 2 notches on the W. edges:
-		dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft.
1		dist. and raise a mound of earth, 4 ft. base, 2 ft.
-		high, W. of the corner.
1		Land rolling.
1		Soil sandy and 4th rate.
		No timber.
		Undergrowth sage and canotillo brush; 80.00 chs.
	1	was a superior and a superior a superior and a superior and a superior and a superior a superior
	.	EAST bet. secs. 4 and 33.
	İ	Over rolling sand.
		Through sage and canotillo brush.
	40.00	Set a limestone. 18 x 6 x 5 ins., 12 ins., in the ground
1	1	for 1/4 sec. cor. marked 1/4 on the N. face; dig pits.
	Į.	for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist.,
		and raise a mound of earth. 3 1/2 ft. base, 1 1/2 ft.
		high, N. of the corner
	80.00	high, N. of the corner. Set a limestone, 18 x & x 4 ins., 12 ins., in the
		ground for the corner to secs. 3, 4, 33 and 34, marked
		with 3 notches on the E. and W. edges; dig pits, 18 x
	-	18 x 12 ins., in each section 5 1/2 ft. dist. and raise
		a mound of earth, 4 ft. base, 2 ft. high, W. of the
	Ì	corner.
		Land rolling.
		Soil sandy and 4th rate.
		No timber.
		Undergreeth sage and canotillo brush; 80,00 chs.
		TACT bet care 7 and 74
		EAST bet. secs. 3 and 34. Over rolling sand.
		Through sage and canotillo brush.
	26.50	Ascend steeply 40 ft.
	28.00	Top of sandstone cliff.
	40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground
		for 1/4 sec. cor. marked 1/4 on the N. face; dug pits
		18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist., and
		raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high,
		W. of the corner.
		Land rolling.
		Soil sandy: 4th rate.
'		No timber; undergrowth sage and canotillo 40 chs.
		NOTE- At this point I discontinue the survey of
		this line owing to impassible canons and steep bluffs.
		April 26th, 1905.
	.	اللهان الله الله الله الله الله الله الل
		Concess? Description
١.		General Description.
		Townships 31 and 32 N., R. 12 E., are sandy deserts
		traversed by deep canons and sandstone ridges; there are
	-	no settlers living in these townships and there is no

no settlers living in these townships and there is no agricultural land. Therefore, I do not subdivide the same in compliance with my instructions.

The West Boundary of Tp. 31 N., R. 12 E.

From the cor. to Tps. 51 and 32 N., Rs. 11 & 12 E.,

The West Boundary of Tp. 31 N., R. 12 E.

	(Continued)
Chs.	after setting off 36° 07' N., on the Lat arc. and 13° '46' N., on the decl. arc, at 7 hours, 55 minutes, a. m., 1. m. t., April 27th, 1905, and determining a meridian with the Solar, I run,
40,00	South bet. secs. 1 and 6. Over rolling sand. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the lace of a correspondence of the lace; dig pits 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist., and
44.00	raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner. Enter sage and canotillo brush, bears easterly and
80.00	westerly. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the cor. to secs. 1, 6, 7 and 12, marked with 1 notch on the N. and 5 notches on the 5. edges; dig pits, 18 x 18 x 12 ins., in each section 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling.
	No timber: undergrowth sage and canotillo 36.00 chs.
40.00	South bet. secs. 7 and 12. Over gently rolling sand. Through sage and canotillo brush. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face: dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft.
80.00	dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner. Set a limestone, 18 x 7 x 4 ins., 12 ins., in the ground for the corner of secs. 7, 12, 13 and 18, marked with 2 notches on the N. and 4 on the S. edges; dig p.ts, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land gently rolling.
	Soil sandy and 4th rate. No timber. Undergrowth sage and canotillo brush; 80.00 chs.
40.00	South bet. sees. 13 and 18. Over rolling sand. Through sage and canotillo brush. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face: dig p ts, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high.
80,00	W. of the corner. Set a limestone, 20 x 7 x 4 1/2 ins., 15 ins., in the ground for the corner to sections 13, 18, 19 and 24, marked with 3 notches on the N. and S. dges; dig pits 18 x 18 x 12 ins., in each section 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner.
	Land rolling. Soil sandy and 4th rate. No timber. Undergrowth sage and canotillo brush; 80.00 chs. NOTE- At this point I discontinue the survey of this line on account of the rough and broken character of the ground.
	General Description. There are a few patches of agricultural land in Tp. 31 N., R. 11 E., lying in the Moencopie canon. The remainer of the Tp. is a sandy rocky desert.

The west boundary of Tp. 32 H., R. 10 E.

		The noot boundary of the Sh He in the
	Chs.	At the Standard Corner to Tos. 33 N., Rs. 9 and
		lo E., as heretofore established by me, on April 28th,
		1905, at 7 hours, 36 minutes, a. m., 1. m. t, I set
		off 36° 13 'N., on the Lat. arc, 14° 05 N., on the
		decl. are and determine a meridian with the solar.
	·	Thence I run.
		WEST, on the Eighth Standard Parallel North for a
		distance of 18.97 chs. where I establish the closing
		Corner of Tps. 32 No. Rs. 9 and 10 E. as follows-
		Set a limestone, $18 \times 6 \times 5 \frac{1}{2} \text{ ins.}$ 12 ins., in
		the ground, marked
		C C T 32 N on the S
		R 10 E on the E.
		R 9 E on the W faces; with 6 grooves on the
		S. E. and W. faces; and raise a mound of stones, 2 ft.
		base, 1 1/2 ft. high, S. of the cor.
		Pits impracticable. Thence I run.
	•	
		South bet. secs. 1 and 6.
	40.00	Over broken and rolling masses of sandstone.
-	Ψ,	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face;
	p. K.	and touse, a mound of stones, 2 ft. base, 1 1/2 ft.
		high, W. of the Cor.
		Pits impracticable.
-	80.00	Set a limestone. 18 x 8 x 4 1/2 ing 12 ing to the
-	114	ground for the corner to secs. 1, 6, 7 and 12, marked
	10 12	I Will I house on the N. and b notched on the condract
-		and raise a mound of stones, 2 ft, base, 1 1/2 ft high
		1 4 O OIG COLIGE
		Pits impracticable.
		Land mountainous.
-		Soil, rocky: 4th rate.
		No timber.
		Mountainous land 80. chs.
		Cartie hat we want to be a second
		South bet, secs. 7 and 12.
		Over mountainous land.
	3.00	Descending over sandstone boulders.
	10.00	I a a a a sum design of white hoof to control of the sum of the su
ı	20.00	
İ	27.00	
1		and ascend.
	40.00	
1	ok	ground for 1/4 sec. cor. marked 1/4 on the W. face:
ı		and raise a mound of stones, 2 ft. base, 1 1/2 ft.
	***	nigh, W. of the cor. Pits impracticable.
		Begin steep dascent over rocky ledges
	41.00	Stone house, bears about 30, chs. W.
	43.00	Top of mesa bears northeasterly and southwesterly.
	50.50	Adobe house bears about 25 chs. W.
	52. 50	The state of the s
		Orly.
	63.00	Descend abruptly 200 ft.
	80.00	
	00,00	THE PERSON NAMED IN TAXABLE AND ADDRESS OF TAXABLE AND ADDRESS OF TAXABLE AND ADD
		for the corner to secs. , 7, 12, 13 and 18, marked with 2 notches on the N. and 4 notches on the S. edges;
	· [raised a mound of stones, 2 ft. base, 1 1/2 ft. high,
	1	W. of the corner.
	. [Pits impracticable.
		Land mountainous and rolling.
		Soil sandy and rocky; 3rd and 4th rate.
	İ	Mountainous land 63.00 chs.
1	. 1	Undergrowth sage and canotillo brush.
		AND THE SET WITH THE PROPERTY
		South bet. secs. 13 and 18.

The West Boundary of Tp. 32 N., R. 10 E. (Continued.)

T	Chs.	Over rolling land.
	40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground
	40.00	for 1/4 sec. cor. marked 1/4 on the W. face; and raise
	(* 34	Tor 1/4 866. Core market 1/4 on the second of the second o
		a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of
		the cor.
1	49.00	Begin ascent of N. slope of rocky ridge.
1	62.00	Top bears easterly and westerly and descend.
1	71.00	Foot.
١	80.00	Set a limestone, 20 x 7 1/2 x 5 ins., 15 ins., in the
		ground for the corner to secs. 13, 18, 19 and 24,
		marked with 3 notches on the N. and S. edges; raise
1		a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of
		the corner. Pits impracticable.
1	-	
-		Land rolling and mountainous.
1		Soil, sandy and rocky; 4th rate.
١		No timber.
		Mountainous land: 22.00 chs.
		Model de La Caraciana de La Ca
		mustb had many 10 and 24
	1	South bet, secs, 19 and 24.
		Over rolling land.
1	40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the
		ground for 1/4 sec. cor. marked 1/4 on the W., 1866
	C 1.	raised a mound of stones, 2 ft. base, 1 1/2 ft. high,
		W. of the corner.
١		Pits impracticable.
	41.50	Road bears north-westerly and south-easterly.
	80.00	Set a limestone, 18 x 7 x 4 1/2 ins., 12 ins., in the
	· · · ·	ground for the corner to sections 19, 24, 25 and 30,
		marked with 4 notches on the N. and 2 notches on the
	,	S. edges; and raise a mound of stones, 2 ft. base,
	,	S. Sugas, and large a mount of botton, a re-
		1 1/2 ft. high, W. of the corner.
		Land rolling.
١	į	Soil sandy and rocky: 4th rate.
	Ì	No timber.
		هيية حين جين جين جين جين جين جين جين جين جين ج
		South bet. sees. 25 and 30.
		Over close sandstone ridges and rocky gulches.
١		Over close sands tone ringes and lock satisfies
	40.00	Set a limestone, 24 x 8 x 4 ins., 18 ins., in the ground
		for 1/4 sec. cor. marked 1/4 on the W. face; and raise
		a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of
		the corner.
	80.00	Set a limestone, 20 x 12 x 4 ins., 15 ins., in the
	80,00	mental for the comparts sage 25, 30, 31 and 36.
	ķ/ ^Q .	ground for the corner to secs., 25, 30, 31 and 36,
	(·	marked with 5 notches on the N., and 1 notch on the
		S. edges; dig pits, 18 x 18 x 12 ins., in each sec.,
		5 1/2 ft. dist and raise a mound of earth, 4 ft. base,
	٠	2 ft. high, W. of the cor.
٠.		Land mountainous.
		Soil sandy and rocky; 4th rate.
		No timber.
		Mountainous land 80.00 chs.
	* -	الله الله الله الله الله الله الله الله
		South bet. secs. 31 and 36.
	: .	Over mountainous land.
		Ascending over sandstone boulders.
	11.60	Top of spur and descent
		Foot, and begin ascent along the W. edge of mesa.
	13.50	root, and begin ascent along the ". degend
	29,00	Top of ascent bears & and W. and descend.
	32.00	Foot, gulch 1 ch. wide, course southwesterly.
	33,00	Ascend vertical 100 ft.
	35.00	Top.
	37.00	Degrand
	37.50	Rocky gulch, 40 ft. deep, course southwesterly and
	31.00	agand steamly
	70 -0	ascend steeply.
	38.30	Top.
	40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the
	()	ground for 1/4 sec. cor., marked 1/4 on the W. face;
		dig pits. 18 x 18 x 12 ins., N. and S. of stone, 3 ft.
	· .	dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2ft.
	1	1

• 1

The west boundary of Tp. 32 N., R. 10 E. (Continued).

Chs. 40,60 42,50 **4**3.60 80.00

high, W. of the cor. Descend.

Foot and ascend.

Top; thence over close ridges and rocky gulches. Set a limestone, 20 x 8 x 4 ins., 15 ins., in the ground for the corner to townships 31 and 32 N., Rs. 9 and 10 E., marked T 32 N on the N E

R 10 E on the S E

T 31 N on the S W and

R 9 E on the N. W. faces; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, S. of the corner. Pits impracticable. Land mountainous.

Soil sandy and rocky: 4th rate. No timber.

Mountainous land 80. chs.

April 28th, 1905.

General Description of west boundary of Tp. 32 N. R. 10 E.

The line runs over mountainous and rolling land. There is no timber or water along the line. Tp 32 N., R. 9 E., west of the line is mountainous and broken. The northern part is traversed by the Echo Cliffs. The trading post of the Willow Springs and a number of Indian huts are located in the north-eastern portion of the township.

April 29th, 1905, at 7 hours, 21 minutes, a. n., 1. m.t., at the corner to Townships 31 and 32 N., Rs. 9 and 10 E., I set off 36° 08' N., on the Lat arc., 14° 24' N., on the decl arc and determine a meridian with the Solar. Thence I run,

EAST on a random line along the south boundary of Tp. 32 N., R. 10 E., setting temporary 1/4 and sec. cors., at intervals of 40. chs., (set 1st cor. at 38.42 chs.) and at 478.40 chs., intersect the South boundary of the Tp., 30 lks. S. of the corner of Tps. 31 and 32 N., Rs. 10 and 11 E., and heretofore established and described by me. The falling answers to a corrections of 0° 02° or 5 lks. N., per mile, counting from
the 5. W. Cor. of the Tp. Therefore, I run,
S. 89° 58° W., on a true line, bet. secs. 1 and 36.

Dver level land.

Irrigating ditch, 8 lks. wide, course north-westerly-grain barn on line.

Wire fence bears northeasterly and southwesterly, and enter corn field.

Wire fence bears northerly and southerly, and leave corn-field.

Irrigating ditch, 10 lks. Wide, course northerly and enter alfalfa field. 27.68

Leave alfalfa field and enter corn patch. 32,65

39.00 Leave corn patch. 40.00

Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1

1/2 ft. high, N. of the corner. Wire fence bears north-westerly and south-easterly. Wire fence bears northwesterly and southeasterly and road bears northeasterly and southwesterly.

9.20

21.70

27.58

46.50 46.70

39

The South boundary of Tp. 32 N., R. 10 E.

Chs.	la di di cara low close ridges.
58.00	Leave level land: thence over low close ridges. Set a limestone, 20 x 8 x 4 1/2 ins., 15 ins., in the
80.00	som the companies spections is as all and out
\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	marked with 1 notch on the E. and 5 notches on the W. edges; dig pits, 18 x 18 x 12 ins., in each section,
27	s 1/o et Aigh. and raise a mound of corum + ***
	base. 2 ft. high, W. or the corner.
	Land level and rolling. Soil, sandy and gravelly: 1st, 2nd, and 3rd rate.
	No timber.
	خلق والي شيخ الدين الذي تبين الدين ا
	S. 89° 58° W., on a true line, bet. secs. 2 and 35. Over gently rolling land.
10.00	Ascend.
11.25	Top and descend.
12.00 26.00	Foot. Descend.
28.00	none obmentage 20 ft
28.80	Foot, dry wash, 30 lks. wide, course S. westerly. Same wash, 30 lks. wide, course N. westerly.
38.10	
40.00	Set a limestone, 18 x & x & line, 12 line, 18 line, facei
	1 TO W 19 TRO . N. MIG N. O. OVAVE V Y
	dist. and raise a mound of earth, 5 1/2 10. 5050;
80.00	1 1/2 ft. high, N. of the cor. Set a limestone, 18 x 7 x 5 ins., 12 ins., in the
80.00	I would can the company to sees. 2. 5. 54 and 501 matrix
, · · · · ·	with 2 notches on the E. and 4 notches on the W. edgesiding pits, 18 x 18 x 12 ins., in each section, 5 1/2
	ft dist and raise a mound of earth, 4 : 0 base, 2
	ft. high, W. of the corner.
	Land rolling. Soil, sandy and rocky: 4th rate.
	No timber. April 29th, 1905.
	At the corner just previously established and described, at 7 hours, 84 minutes, a. m., 1. m. t., I set off
	are and determine a meridian with the Solar; thence I run S. 89° 58° W., on a true line, bet. secs. 3 and 34.
	1 4
40.00	I all line atoms 18 y 6 y 5 1ns. 12 1ns. in the ground
1.5%	for 1/4 sec. cor. marked 1/4 on the N. face. dig pits, 18 x 12 ins., E. and W. of stone, 3 ft. dist.,
	and raise a mound of earth, 3 1/2 1t. base, 1 1/2 1t.
58.7	high N of the corner.
55.7 70.7	L 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
80.0	A = A = A = A = A = A = A = A = A = A =
7	ground for the corner to sections, 3, 4, 33 and 34, marked with 3 notches on the E. and W. edges; and raise
	a mound of stones, a ft. base, 2 ft. high, W. of the
	cor. Pits impracticable.
	Land rolling.
	Soil sandy and rocky: 4th rate.
	No timber.
	S. 89° 58' W., on a true line, bet. secs. 4 and 33.
40.	over gently rolling sandstone. O set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground
40 ₉	
	a mound of stones, 2 it. bass, 1 1/2 it. inghi, in
	Pits impract.
1	i l

The South Boundary of Tp. 32 N., R. 10 E.

Chs. 57.66 80.00	Road bears northerly and southerly. Set a limestone, 20 x 7 x 4 1/2 ins., 15 ins., in the ground for the corner to sections, 4, 5, 32 and 33, marked with 4 notches on the E., and 2 notches on the W., edges; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the cor. Land rolling. Soil, sandy and rocky; 4th rate. No timber.
40.00 80.00	S. 89° 58' W., on a true line bet. secs. 5 and 32. Over gently rolling sandstone. Set a limestone, 18 x 6 x 5 inc., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, N. of the corner. Pits impracticable. Set a limestone, 20 x 71/2 x 5 ins., 15 ins., in the ground for the corner to sections, 5, 6, 31 and 32. marked with 5 notches on the E., and 1 notch on the W. edges; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Land rolling. Soil, sandy and gravelly; 3rd and 4th rate. No timber.
*0. 00	ground for 1/4 sec. cor., marked 1/4 on the N. face; and raise a mound of earth 3/1/2 base, 1 1/2 ft. high high, N. of the corner dig pits, 18 x 18 x 12 ins. E. and W. of stone, 3 ft. dist. The corner to townships 31 and 32 N., Rs. 9 and 10 E. Land rolling. Soil sandy and gravelly; 3rd and 4th rate. No timber. April 30th, 1905.
	General Description. This line runs over level and broken. The soil is mostly sand. There is no timber on the line. Tp. 31 N., R. 10 E. is mountainous and broken. There are a few sections in the northeast part of the township situated in the Moencopie Wash and Valley; that contain some agricultural land.

Boundaries of Tp. 32 N., R. 10 E.

Latitudes, departures and closing errors.

Line D	esigna te	d	True Bearing	Distance		tudes.	Deppri	ures.
South 1	Boundary		S.89°58'W.	478.40	N.	S • 30	E.	479 40
est	*	£,-	North.	480.00	480.00			478.40
th. Sta	nd.Par	1.	East.	477.89	· · · · · · · · · · · · · · · · · · ·		477.89	
ast Bo	undary		South.	480.00		480 .00		
Conv	ergency	P	to en e				•53	
	Totals Er	•	in Lat.		480.00	480.30 480.00	478.42 478.40	478,40
			was alle by	4	~	•30 · oa		_

	I proceed to the corner of Townships 33 N., Rs. 10 and 11 E., as heretofore established and described by me. May 1st, 1905, at 8 hours, 5 minutes, a. m., 1. m. t., I set off 36° 13° N., on the lat. arc; 15° 0/° N., on the decl. arc and determine a meridian with the Solar. Thence I run,
40.00	North bet. secs. 31 and 36. Over rolling sand. Through sage and canotillo brush. Set a limestone, 18 x 6 x 5 1/2 ins., 13 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist., raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.
· ·	Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the corner to sees. 25, 30, 31 and 36, marked with 1 notch on the S. and 5 notches on the N. edges: and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Land rolling.
	Soil, sandy: 4th rate. No timber. Under grwoth sage and canotillo brush 80.00 chs.
40.00 80.00	North bet. secs. 25 and 30. Over rolling sand. Through sage and canotille brush. Set a limestone, 18 x 6 x 4 1/2 ins., 12 ins., in the ground for 1/4 sec. cor. marked1/4 on the W. face: dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground, for the corner to secs. 19, 24, 25 and 30, marked with 2 notches on the 3 and 4 notches on the N. edges: dig pits, 18 x 18 x 12 ins., in each sec. 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling. Soil, sandy and rocky: 4th rate. No timber.
40.00 80.00	North bet. secs. 19 and 24. Over rolling sand and sandstone. Through sage and canotillo brush. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, W. of the corner. Pits impracticable. Set a limestone, 20 x 8 1/2 x 5 ins., 15 ins., in the ground for the corner to sections 13, 18, 19 and 24, marked with 3 notches on the N. and 3. edges; dig pits, 18 x 18 x 12 ins., in each section, 5 1/2 ft. dist., and raise a ound of earth, 4 ft. base, 2 ft. high, W. of the corner. Land rolling. Soil, sandy and rocky: 4th rate. No timber. Undergrowth; sage and canotillo, 80.00 chs.
40.00	North bet. secs. 13 and 18. Over rolling sand. Through dense sage. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits,

18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. Chs. high, W. of the corner. Set a limestone, 18 x 6 x 5 1/2 ins., 12 ins., in the ground for the corner to secs., 7, 12, 13 and 18, marked with 2 notches on the N. and 4 notches on the S. edges: dig pits, 18 x 18 x 12 ins., in each section, 5 1/2 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. 80,00 high, W. of the corner. Land rolling. Soil sandy and 4th rate. No timber. North bet. secs. 7 and 12. Over rolling sand and sandstone.

Set a limestone, 17 x 8 x 4 1/2 ins., 11 ins., in the ground for the 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 40.00 OK 1/2 ft. high, W. of the corner.
Set a limestone, 20 x 8 x 5 ins., 15 ins., in the
ground for the corner to sections 1, 6, 7 and 12, marked
with 1 notch on the N. and 5 notches on the S. edges;
and raise a mound of stones, 2 ft. base, 1 1/2 ft. high, 80,00 - ١١٥ W. of the corner. Pits impracticable. Land rolling. Soil sandy and rocky; 4th rate. No timber. North bet. secs. 1 and 6. Over mountainous land. Descending over sandstone ledges. Foot bears easterly and westerly and ascend. Sandstone chimney, 70 ft. high, bears 4 chs. E. Top bears easterly and westerly and descend. 20.00 22.50 26,00 Foot. 27.00 29,50 Begin steep ascent. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits, 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, W. of the corner.

Top, bears northeasterly and southwesterly. 40,00 015 44.00 Thence over gently rolling land.
Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground
for the corner to Tps. 33 and 34 N., Rs. 10 and 11 E., 80.00 marked T 34 N on the N E R 11 E on the S E T 33 N on the S W R. 10 E on the N W, with 6 notches on each edge; dig pits, 24 x 24 x 12 ins., on each line, N. E. and W., 4 ft. and S. of stone, 8 ft. dist., and raise a mound of earth, 5 ft. base, 2 1/2 ft. high, S. of the corner. Land mountainous and gently rolling. Soil, sandy and rocky; 4th rate. No timber. Mountainous land 42.00 chs. May 1st. 1905.

> General Description. This line runs over sand ridges and sandstone reeds and ledges; there is no water or timber along the line. Tp. 33 N., R. 11 E., is composed of sand ridges and broken ground in the southern part, while the northern portion of the township is high table land.

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Note- May 2nd, 1905, was spent in traversing from the corner to Tps. 33 and 34 N., Rs. 10 and 11 E., to the Cor. to Tps. 33 N., Rs. 9 and 10 E., at which corner on May 3rd, 1905, at 7 hours, 34 minutes, a. m., 1. m. t., I set off 36° 13° N., on the Rat. arc and 15° 35 1/2° N., on the decl arc and determine a meridian with the solar.
Chs.
                    solar.
                    Thence I run,
                    North bet. secs. 31 and 36.
                   Over rolling sand and sandstone.
Enter scattering cedar timber.

Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face. whence
A cedar, 25 ins., in diam. brs. N. 6 3/4° E.,

146 lks. dist. mkd. 1/4 S. 31 B. T.

A cedar, 18 ins., in diam. brs. S. 35° W., 148

lks. dist. mkd. 1/4 S. 36 B. T.

Wood road bears E. and W.

Set a limestone, 18 x 7 x 5 ins., 12 ins., in the ground for the corner to sections, 25, 30, 31 and 36, marked with 1 notch on the S. and 5 notches on the N. edges; whence.
                     Over rolling sand and sandstone.
10.00
40.00
50.00
80.00
     14
                    whence,
                   A cedar, 24 ins., in diam. brs., N. 40 1/2° E., 100 lks. dist. mkd. T. 33 N., R. 10 E., S. 30 B. T.

A cedar, 6 ins., in diam. brs. S. 34 1/4° E., 11 lks. dist. mkd. T 33 N R 9 E S 36 B T.

No other trees within limits; and raise a mound of stone 2 ft bess. 1 1/2 ft bigh. Wy of the corrections
                    of stone, 2 ft. base, 1 1/2 ft. high, W. of the corner.
                    Pits impracticable.
                    Land rolling.
                    Soil, sandy and rocky; 4th rate.
                    Timber scattering cedar.
                    North bet. secs. 25 and 30.
                    Over rolling sand.
                   Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence
A Cedar, 18 ins., in diam. brs. S. 45° I., 4
lks. dist. mkd. 1/4 S 30° B T.
A cedar, 12 ins., in diam. brs. S. 45° W., 4 lks.
dst. mkd. 1/4 S 25° B T.
Set a limestone, 19 x 7 x 4 1/2 ins.
40.00
                   Set a limestone, 19 x 7 x 4 1/2 ins., 18 ins., in the ground for the corner to secs. 19, 24, 25 and 30, marked with 2 notches on the S. and 4 notches on the
80.00
                    N. edges; whence
    14
                   A Cedar, 14 ins., in diam. brs. N. 16 1/4° E.,

173 lks. dist. mkd. T. 33 N., R 10 E S 19 B T.

A cedar, 30 ins., in diam. brs. S. 71 1/4° E.,

157 lks. dist. mkd. T 33 N R 10 E S 30 B T.

A cedar, 30 ins., in diam. brs. S. 46° W., 208

1ks. dist. mkd. T 33 N R 9 E S 25 B T.

A cedar, 36 ins., in diam. brs. N. 11° W.,

53 lks. dist. mkd. T 33 N. R 9 E S 24 B T.

Land rolling.
                    Land rolling.
                     Soil sandy and rocky; 4th rate.
                    Timber scattering cedar.
                    North bet. sees. 19 and 24.
                    Over rolling sand and sandstone.
25.00
                    Enter heavy cedar timber bears northeasterly and south-
                    westerly.
                    Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence A cedar, 24 ins., in diam. brs. S. 81 1/2° E., 72 lks. dist. mkd. 1/4 S 19 B T.
40.00
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Chs.

80.00

OR THE

40.00

0/4

80.00

0/0

The West Boundary of Tp. 33 N., R. 10 E. A cedar, 28 ins., in diam. brs. N. 43 $1/2^{\circ}$ W., 263 lks. dist. mkd. 1/4 S, 24 B T. Set a limestone, 20 x 6 x 4 1/2 ins., 15 ins., in the Set a limestone, 20 x 6 x 4 1/2 ins., 15 ins., in the ground for the corner to secs. 13, 18, 19 and 24, marked with 3 notches on the N. and S. edges; whence A cedar, 12 ins., in diam. brs. N. 60° E., 77.

1ks. dist. mkd. T 32 N R 10 E., S 18'B T.

A cedar, 18 ins., in diam. brs. S. 64 1/2° E.,

33 lks. dist. mkd. T 33 N R 10 E S 19'B T.

A cedar, 36 ins., in diam. brs. S 74°1/2° W.,

106 lks. dist. marked T 35 N R 9 E S 24 B T.

A cedar, 24 ins., in diam. brs. N. 55° W., 92

1ks. dist. mkd. T 35 N R 9 E S 13 B T., and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of the cor.

Pits impracticable. Pits impracticable. No other trees within limits. Land rolling. Soil, sandy and rocky: 4th rate. Timber cedar. Heavily timbered land 55.00 chs. North bet. secs. 13 and 18. Over rolling sand and sandstone. Through codar timber. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the discourse 1/4 on the W. face; whence A Cedar, 36 ins., in diam. brs. N. 77° E., 82 lks. dist. mkd. 1/4 S 18 B T. A cedar, 12 ins., in diam. brs. S. 3° W., 46 lks. dist. marked 1/4 S., 13° B T. Set a limestone, 20 x 7 x 5 ins., 15 ins., in the ground for the corner to secs. 7, 12, 13 and 18, marked with 4 notches on the S. and 2 notches on the N. edges. whence A cedar, 30 ins., in diam. brs. S. 8° E., 156 lks. dist. mkd. T 33 N R 10 E S 18 B T. A cedar, 30 ins., in diam. brs. S 30° W., 85 lks. dist. mkd. T 33 N., R 9 E., S 13 B T. A cedar, 18 ins., in diam. ors. N 16 W., 251 lks. dist. mkd. T 33 N R 9 E S 12 B T.
No, other trees within limits: dig pits, 18 x 18 x 12 ins., in sec. 7, 5 1/2 ft. dist. and raise a mound of parth, 4 ft. base, 2 ft. high, W. of the cor. Land rolling. Soil, sandy and rocky; 4th rate. Timber cedar. Heavily timbered land 80. chs. North bet. secs. 7 and 12. Over rolling sand and sandstone. Over rolling sand and sandstone.
Through heavy cedar timber.

Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence A cedar, 24 ins., in diam. brs. N. 11 1/2° E.

99 1ks. dist. mkd. 1/4 S 7'B T.

A cedar, 12 ins., in diam brs. N. 19 1/2° W., 108

1ks. dist. mkd. 1/4 S 12 B T.

Set a limestone, 20 x 8 x 4 1/2 ins., 15 ins., in the ground for the corner of secs. 1, 6, 7 and 12, marked with 5 notches on the S. and 1 notch on the N. edges;

A cedar, 12 ins., in diam. brs. N. 47 3/4° E.,

102 1ks. dist. mkd. T 33 N R 10 E S 6'B T.

A Cedar, 30 ins., in diam. brs. S 45° E., 88 1ks.

40.00 oft

80.00

A Cedar, 30 ins., in diam. brs. S 45° E., 88 lks. dist. mkd. T 33 N R 10 E., S 7'B T.

A cedar, 10 ins., in diam. brs. N 48° W., 225 lks. dist. mkd. T 33 N R 9 E 3 l'B T.

No other trees within limits, and raise a mound of stone 2 ft. base. 1 1/2 ft. bigh. stone 2 ft. base, 1 1/2 ft. high, W. of the corner.

ch

80,00

F 15.

The West boundary of Tp. 33 N., R. 10 E.

Chs. Pits impracticable. Land rolling. Soil, sandy and rocky: 4th rate. Timber cedar. Heavily timbered land 80. chs.

> North bet. secs. 1 and 6. Over rolling sand and sandstone.

40.00

Through heavy codar timber.

Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face; whence A cedar, 26 ins., in diam. brs. N. 7° E., 148 lks. dist. med' 1/4 S. 6° B T.

A Cedar 26 ins., in diam. brs. S. 23° W., 86 lks. dist. mkd. 1/4 S. 1° B T.
Set a limestone, 20 x 7 x 4 ins., 15 ins. in the ground for the cor. to Tps. 33 and 34 N., ks. 9 and 10 E., mkd.

with 6 notches on each edge; from which

with o notenes on each edge; from which
A cedar, 30 ins., in diam. brs. N. 1 1/4° f.,

111 lks. dist. mkd. T 34 N R 10 E S 31 B T.
A cedar, 30 ins., in diam. brs. S. 31 1/4° f.,

78 lks. dist. mkd. T 33 N., R 10 E S 6 B T.
A cedar, 16 ins., in diam. brs. S. 13° W., 68 lks.

dist. mkd. T 33 N R 9 E S 1 B T.
A cedar, 18 ins., in diam. brs. N. 43 3/4° W., 100

1ks. dist. mkd. T 34 N. R 9 E. S 36° B T.

Land rolling.

Soil sandy and rocky: 4th rate.

Soil sandy and rocky: 4th rate. Timber cedar.

Heavily timbered land 80.00 chs.

May 3rd. 1905.

Description. General

This line runs over rolling sand and broken masses of sandstone, and mostly through heavy cedar timber. There is no water or grass along the line.
The towns ip west of the line is mountainous rugged and broken.

The North boundary of Tp. 33 N., R. 10 E.

000 From the Cor. to Tps. 33 and 34 N., Rs. 9 and 10 E. May 4th, 1905- I set off 36° 18' N., on the Lat. arci 15° 54' N., on the Decl. arc and at 8 hours, 6 minutes, a. m., l. m. t., I determine a meridian with the Solar. Thence I run,

EAST, on a random line, along the north coundary of Tp. 33 N., R. 10 E., setting temporary 1/4 and sec. cors. at intervals of 40. chs., (set 1st. cor. at 39.54 chs.), and at 479.54 chs., intersect the E. boundary of the Tp. 4 lks. S. of the Cor. to Tps. 33 and 34 N., Rs. 10 and 11 E., as heretofore described.
The falling being cody 4 lks., therefore, I run, WEST, on a true line, bet. secs. 1 and 36.

Over rolling sand.

40.00 Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face: dig pits. 18 x 18 x 12 ins., I. and W. of stone, 3 ft. dist. and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high,

N. of the corner. Set a limestone, 18 x 7 x 4 1/2 ins., 12 ins., in the 80.00 ground for the corner of sections, 1, 2, 35 and 36,

(J.3.)

47	
Chs.	marked with 1 notch on the E. and 5 notches on the
9.5	W. edges dig pits, 18 x 18 x 12 ins. in each sec.
	5 1/2 ft. dist., and raise a mound of earth, 4 ft.
	base, 2 ft. high, W. of the corner.
	Land rolling.
	Soil sandy and rocky; 4th rate.
	No. A dayle and
	may #111, 1000
	May 5th 1905 of the common foot
	May 5th, 1905, at the corner just previously described
	by me I set off 36° 18 N., on the Lat. arc; 16° 10
	1/2° %., on the decl. arc; and determine a meridian
	with the Solar, thence I run,
	WEST, on a true line, bet. secs. 2 and 35.
	Over rolling sand.
40.00	
The state of the s	ground for 1/4 sec. cor. marked 1/4 on the N. face;
	dig pits, 18 x 18 x 12 ins., E. and W. of stone, 3ft.
	dist., and raise a mound of earth, 3 1/2 ft. base,
1	1 1/2 ft. high, N. of the corner.
74.00	Enter dance opin harm menthes the man
80.00	Enter dense sage bears northeasterly and southwesterly.
20.00	Set a limestone, 20 x 7 x 5 ins., 15 ins., in the
6 13	ground for the corner to sections, 2, 3, 34 and 35
1 1971 %	marked with 2 notines on the E. and 4 notiches on the
	W. Gages, alg pits, 18 x 18 x 12 ins. in each sec.
	5 1/2 It. dist. and raise a mound of earth. 4 ft.
1	base, 2 ft. high, W. of the corner.
	Land rolling.
	Soil sandy and 4th rate.
	No timber.
İ	Dense undergrowth 6 che.
	Dollog wittof Elon oil o Cile
	WE'CO on a true late had many true
	WEST on a true line bet. secs. 3 and 34.
1	Over gently rolling sand.
1000	Through dense sage.
40,00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the
1.	ground for 1/4 sec. cor. marked 1/4 on the N. food:
	dig pits, 18 x 18 x 12 ins. E. and W. of stone. 3
	ft. dist., and raise a mound of earth, 2 1/2 ft. base,
i i	1 1/2 ft. high, N. of the corner.
	Red Butte bears about 12 chs. N.
60.00	Enter scattering cedar timber.
80.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the
T ,	ground for the corner to sections, 3, 4, 33 and 34,
19 /	marked with a notable on the Bullions were well 34,
	marked with 3 notches on the E. and W. edges, whence
-	A Cedar, 12 ins., in diam. brs. N. 23 3/4° W.,
	184 lks. dist. mkd. T 34 N, R 10 E S 35 B T. no other
	trees within limits; dig pits, 18 x 18 x 12 ins., in
	secs. 3, 4, and 34, 5 1/2 ft. dist. and raise a
	mound of earth, 4 ft. base, 2 ft. high, W. of the
	corner.
1	Land rolling.
1	Soil sandy; 4th rate.
1	Timber cedar; undergrowth sage brush.
	After a time of the case of th
	WEST, on a true line, bet. secs. 4 and 33.
	Over rolling land.
	Through dense sage.
40.00	Set a limestone, 18 x 6 x 5 ins., 12 ins., in the
	ground for 1/4 can can montred 1/4 and the vices
e S	ground for 1/4 sec. cor. marked 1/4 on the N. Face;
1 6	dig pits, 18 x 18 x 12 ins., E. and W. of stone,
,	3 ft. dist. and raise a mound of earth, 3 1/2 ft.
00.00	base, 1 1/2 ft. high. N. of the corner.
80,00	Set a limestone, 20 v 7 1/2 v 5 inc. is inc. in
ST.	the ground for the corner to secs. 4. 5. 32 and 33.
1 '.1	marked with 4 hotches on the E. and 2 hotches on the
7	W. edges: dlg pits, 18 x 18 x 12 ins in each sec.
	5 1/2 ft. dist, and raise a mound of earth, 4 ft. base
	2 ft. high, W. of the corner.
ľ	

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	Chs.	Land gently rolling. Soil sandy: 4th rate. Timber cedar: undergrowth sage 80.00 chs.
	32.00 40.00 65.00 80.00	WEST, on a true line bet. secs. 5 and 32. Over rolling sand. Through sage brush. Leave sage brush and over sandstone. Set a limestone, 18 x 6 x 4 1/2 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; whence A Cedar, 18 ins., in diam. brs. N. 47 1/4° E., 82 lks. dist. marked 1/4 \$ 32° B T. A Cedar, 18 ins., in diam. brs. \(\cdot \). 15° 3/4 E., 65 lks. dist. mkd. 1/4 S. 5 B T. Enter heavy cedar timber, bears northerly and southerly. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for the corner to secs. 5, 6, 31 and 32, marked with 5 notches on the E. and 1 notch on the W. edges; whence A cedar, 36 ins., in diam. brs. N. 1° E., 230 lks. dist. mkd. T 34 N R 10 E \$ 5 B T. A Cedar, 30 ins., in diam. brs. S. 59 3/4° E., 184 lks. dist. mkd. T 33 N R 10 E, \$ 6 B T. A cedar, 36 ins., in diam. brs. N. 6 1/4° W., 29 lks. dist. mkd. T 33 N R 10 E, \$ 6 B T. A cedar, 36 ins., in diam. brs. N. 6 1/4° W., 122 lks. dist. mkd. T 34 N R 10 E \$ 31 B T. Land rolling. Soil sandy and rocky: 4th rate. Timber cedar. Heavily timbered land, 15.00 chs.
	40.00 6/7 79.54	WEST, on a true line bet. secs. 6 and 31. Over rolling sand. Through heavy cedar timber. Set a limestone, 18 x 6 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face; whence. A cedar, 20 ins., in diam. brs. S 31 1/2° E., 76 lks. dist. marked 1/4 S 6 B T. A cedar, 20 ins., in diam. brs. N. 7 1/4° W., 142 lks. dist. marked 1/4 S. 31 B T.
		General Description. This line runs over low sand ridges; as well as sandstone ledges. There is no water on the line. Th. 34 N. R. 10 E. is mostly rolling sand; the

This line runs over low sand ridges; as well as sandstone ledges. There is no water on the line.

Tp. 34 N., R. 10 E., is mostly rolling sand; the western portion is mountainous. There is some cedar timber on this township.

U. S. Depaty Surveyor.

NOTE- For latitudes, departures, closing errors, etc., of this tp. See next page.

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<u>ن</u>			Latit	BOUNDAF tudes, departure	IIIS OF 1) E.	
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BOOK 1861 LIST OF NAMES. A list of the names of the individuals employed by....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the boun daries 5.3211. R.11 & - W. boun dary of 5.3/11. R.11 & boun daries of J. 3/11. R.11 & - S and W. boun daries of J. LJ. 3/M. R./2 E - N. boundary of 9.3/M. R./1 LJ. 3/M. R./2 E - Sand W. boundaries of 9 boundaries J. 33 M. R 10 E ive canacities in which they acted. boundaries W showing the respective capacities in which they acted: Chainman.Moundman. FINAL OATH OF ASSISTAN We hereby certify that we assisted United States Deputy Surveyor, in surveying all of the..... inly meridian, Nerilogy of Ure Jang, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor AGES....., Chainman. -, Moundman. Subscribed and sworn to before me this. H. G. Power

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

in the States Deputy Surveyor, of columnly swear that, in purpositive of a contract received from the states Surveyor Gauged for the state Surveyor Gauged for the states Surveyor and in-strict conformity with the instructions furnished by the United States Surveyor Concern for the Mannal of Surveying Instructions, and the laws of the United States Surveyor Concern for the Mannal of Surveying Instructions, and the laws of the States Surveyor Concern for the States Surveyor Concern for the States Surveyor Concern for the States Surveyor Concern for the States of the States Surveyor Concern for the States of the S	1861	FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.
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The foregoing field notes as having been surveyed by me, and under my direction; and I do further solemniswear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyed General for Life and and in the specific manner described in the field notes, and the foregoing are the Original field notes of such survey; and should any fraud be detected, I will suffic the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846. Subscribed by said Andrew Confident and sworn to before me this day of Life States Deputy Surveyo Subscribed by said Andrew Lance Approval. OFFICE OF THE UNITED STATES SURVEYOR GENERAL. APPROVAL. OFFICE OF THE UNITED STATES SURVEYOR GENERAL. Please A Subscribed West of the survey of the Earl West Y Youth Secondaries of Town Agrees and Agree of Town Agree of Town Agrees and Agree of Town Agree of Town Agrees and Mendan, Mendaline of Town Agree and Agree of Town	//	
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