4---679.

Book C.

BOOK 2194

· accepted - Letter E. 9/20/10.

# FIELD NOTES

of the survey of the	2194
21.94 Subdivision of Pownship 20 Hort Pange 18 West	h
- Of avoyo 1 - 17 esc	
04.04	<u>e</u>
2194	
of the Lila & Salt Pirev Base & Meridian,	
of the Territory of arizona.	
AS SURVEYED BY  Held (1), Godsy , United States Deputy	Surveyor,
Under his Contract No. 155, dated March 10	
Survey commenced January 12  Survey completed January 27	, 19 <b>00</b>
Survey completed famuary 27	, 19 <b>00</b>
2194	

2194

HT

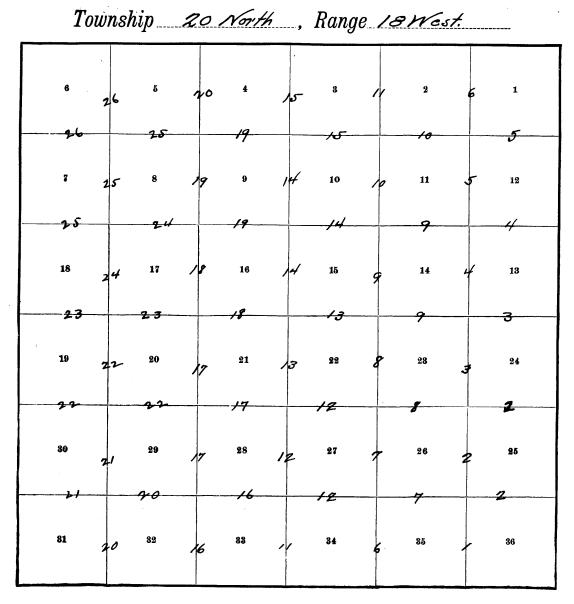
BOOK 2194

## NAMES AND DUTIES OF ASSISTANTS.

a. P. Kesno.	Chainman
Bert Lyon	Chainmaw
Ralph R. Stark	Moundman
R. N. Stock	axmaw
J.M. Carkw	ayman
Leorge Newell	Glagman,
	·
,	

BOOK 2194

## INDEX DIAGRAM.



Meanders Page.....

BOOK	2194
BOOK	219A

#### PRELIMINARY OATHS OF ASSISTANTS.

WE, a. P. Gerno	and Bert Lyon
•	ally execute the duties of chanmen; that we will level the
·	the tally pins, either by sticking or dropping the same; that
-	objects, and the true lengths of all lines that we assist in
-	ad in accordance with instructions given us, in the survey of
the Substitute of Change	in const. Pa a 10 Walt
The Surannum of Souning	jo 20 North, Pange 18 West.
V	(l, Chainman.
	Chainman.
Subscribed and sworn to before me this	)
day of Accember , 1909	
·	Merendo
My commission was March 29, 1914	Wilany Publico
**************************************	,
W. O. Ralph R Elli	<b>2</b> and
	y perform the duties of moundmen in the establishment
of corners according to the instructions given	us to the hest of our skill and ability in the survey of
the Cours him 20 Westh Pa	nal 18/11 ent
the Cownship 20 North Ra	The soul of Soul
	Cather Ollis, Moundman.
	/
	, Moundman.
Subscribed and sworn to before me this	
day of Recember, 1909	
My commission explices Merc's 30, 1914	Herench
*SEAL	Satur P. II.
**************************************	Arlacy Public
WE, P.M. Stark	and W.M. Varker
	perform the duties of axmen in the establishment of corners
and other duties, according to instructions give	on us, to the best of our skill and ability, in the survey of
The Subdivision of Lown	ship 20 North Range 18 West
	ship 20 North Range 18 West
•	Rustark Axman.
	I I'M Carker Arman
Subscribed and sworn to before me this	· · · · · · · · · · · · · · · · · · ·
My constain the March 20 1914	and 1
My consisted of Fighting March 27 1914	The yearen
* SEAL (#	notary Public
ej et	7
I, Leorge Vewell	do solemnly swear that I will well and truly
perform the duties of flagman according to inst	ructions given me, to the best of my skill and ability, in the
survey of the Subdivisor of Your	ship 20 North (Lange 18 West.
7	-Cinal March
	ship 20 North Range 18 West. George Mewell, Flagman.
Subscribed and sworn to before me this	
day of slicember 1909	1 April ement
XXXXX SPAT	
	Holary Public

ens Ins.

Survey commenced January 12,1910, and exceted with a Young and sons light mountain transit No. 7532, with a solar attachment. The herizontal limb is provided with two double veriners placed opposite to each other and reading to single minytes of arc, which is also the least count of the verivers of the latitude and declination arcs.

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

I examine the adjustments of the transit and find them correct; then to test the solar appratus by compa-ring its indications resulting observations made during a.m. and p.m., hours with a meridian established by polaris observetions, I proceed as follows:

At the cor. of secs.35 and 36, recently established by me,35°04'24"N., longitude, 114°07'W.; I set off 35°04½'N. on the lat.arc; 21°36½'S. on the decl.arc, and at 4h 00m.p.m., l.m.t., determine a meridian with the solar and mark a point thereof on a stone firmly set in the ground 5chs.N. of the cor.

At 11h.56m., p.m., 1.m.t., I observe polaris at western elongation in accordance with the Manual of Instructions and mark a point in the line thus determined on a peg drimen in the ground, 5 chs. N. of my station. January 12,1910.

January 13; At 7h. 30m., arm., l.m.t., I lay of the azimuth of polaris, 1°26'E., and mark the meridian thus determined by a small cross on the rock set famuary 12, on which the meridian coincides with the meridian coincides with the meridian established by solar observations.

At 8h.00mi.a.m., 1.m.t., I set off 21 29's. on the decl arc; 35°042'N on the lat.arc and determine a meridian with the solar and mark a point thereof by theress on the stone already set 5chs.N. of my. station, which meridian coincides with the meridian established by po laris observations; therefore I conclude that the

adjustments of the instrumentare satisfactory.

The magnetic bearing of the true meridian at 8h.00m., is N 15°00'w. the angle thus determined gives the magnetic declination as 15°00'E.

Thence I ruh

N  $0^{\circ}$  01'W. bet.secs.35 and 36.

Over broken land covered with loose rocks thru dense underbrush.

Wash, 25 lks. wide, ourse SW. Over loose rocks.

Wash, 25 lks. wide, course SW. Over loose rocks.

Wash, 25 1ks. wide, course SW. Over loose rocks.

Wash, 25 lks. wide, course SW. Over loose rocks. Wash, 25 lks. wide, course SW. Over loose rocks.

Set a malpais stone, 24X8X8 ins., 18 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone, 2ft. base, 1 ft. high, W. of cor. Pits impraticable Wash, 20 lks. wide, course SW. Over loose rocks. Wash, 20 1ks. wide, course SW. Over loose rocks. Wash, 20 1ks. wide, course SW. Over loose rocks.

Wash, 20 lks. wide, course SW. Over loose rocks.

set a malpais stonel8X8X6ins., lains.in the ground, for cor. of secs. 25, 26, 35 and 36, marked with 1 notch on S.and E. edges; dig pits, 18 X18 X12 ins., in each sec. 52ft. dist.; and raise a mound of earth, 4ft. base, 2ft. high, W. of cor.

Land, rolling and broken. Soil, rocky; 3rd rate.

No timber.

Underbrush, greasewood, sage, and cacti.

34.00 40.00 40.70 **61.**80 70.90 73.00

80.00

3.15 19.50

21.60

28.00

chains.	Rolling land covered with loose rocks and dense under brush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs.
<b>40.</b> 00 <b>80.</b> 00	Thence I run S:89° 52'E. on random line bet.secs.25 and 36. Set temp. 1/4 sec.cor. Intersect the E. bdy.of Tp.2 lks.5. of the cor. of secs.25,30,31 and 36. Thence I run N 89° 53'W. on true line bet.secs.25 and 36. Over slightly rolling land thru exceptionally dense
7.25 14.30 32.44 40.00	underbrush.  Wash,20 lks.wide,course SW.  Wash,20 lks.wide,course SW.  Wash,20 lks.wide,course SW.  Set a malpais stone,20X8X8ins.,15ins.in the ground,  for \( \frac{1}{4} \) sec.cor.,marked \( \frac{1}{4} \) on N. face; dig pits,18X18X12ins.
	E. and W. of stone, 3ft.dist.; and raise a mound of earth, 3½ ft.base, 1½ ft.high, N. of cor.  Wash, 10 lks.wide, course SW.  Wash, 20 lks.wide, course SW.  Wash, 20 lks.wide, course SW.  The cor. of secs. 25, 26, 35 and 36.  Land, slightly rolling.
	Soil, gravelly; 3rd rate. No timber. Underbrush, greasewood, sage and cacti. Rolling land covered with exceptionally dense underbrush and on account of the scarcity of water and other reasons more fully explained at the end of these notes exceptionally difficult to survey, 80.00 chs. At this cor. I set off 21°30° 'S. on the decl. arc and observe he sun on the meridian at noon; the resulting lat. is 35°08'N.
5.35 11.35 26.50 33.35 40.00	Themce I run N 0 01'W. bet.secs.25 and 26. Over rolling land covered with loose rocks thru dense underbrush, Wash,20 lks.wide,course SW. Over loose rocks. Set a malpais stone,18X8X6ins.,12ins.in the ground, for \( \frac{1}{4}\) sec.cor.,marked \( \frac{1}{2}\) on W. face; dig pits,18X18X12ins N.and S. of stone,3ft.dist.; and raise a mound of earth 3\( \frac{1}{2}\) ft.base,1\( \frac{1}{2}\) ft.high,W. of cor. Set a malpais stone,20X12X6ins.,15ins.in the ground, for cor. of secs.23,24,25 and 26,marked with 2 notches on S. and 1 notch on E.edge; and raise a mound of stone, 2ft.base,1\( \frac{1}{2}\) ft.high,W. of cor. Pits impraticable. Land,rolling. Soil,gocky; 3rd rate. No timber. Underbrush,greasewood,sage and cacti. Rolling land covered with loose rocks and dense under brush and on account of the secreity of water and other reasons more fully explained at the end of these notes, exceptionalyy difficult to survey,80.00 chs.
40.00 80.10	Thence I run S 89°53'E. on random line bet.secs. 24 and 25. Set temp. 1/4 sec.cor. Intersect the E. bdy.of Tp.7 lks.N. of the cor. of secs. 19,24 and 25,30.

Desc.over roll:  exceptionally den.  1.15 Wash,25 lks.wide, 24.90 Wash,20 lks.wide, 30.15 Wash,15 lks.wide, 30.15 Set a malpais, for l sec.cor.,mal of stone,3ft.base wash,15 lks.wide, 30.10 The cor. of secs.  Land,rolling,	Sion of their weeks nest.
N 89°50'W. on Desc.over roll: exceptionally deni exceptionally deni 1.15 Wash,20 lks.wide,2 24.90 Wash,20 lks.wide,3 35 Wash,15 lks.wide,3 40.05 Set a malpais for 1 sec.cor.,mar of stone,3ft.base wash,15 lks.wide,3 30.10 The cor. of secs. Land,rolling, roll,rocky; 3rd No timber. Underbrush,gree Rolling land con ally dense under of water and other end of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the 25 and 26. Thence I run No'01'W. bet. Offer rolling 1 exceptionally dense wash,15 lks.wide,40 wash,200 lks.wide,40.00 15.40 Wash,200 lks.wide,40.00 40.00 Wash,50 lks.wide,50	,
Desc.over roll:  exceptionally den.  1.15 Wash,25 lks.wide, 24.90 Wash,20 lks.wide, 30.15 Wash,15 lks.wide, 30.15 Set a malpais, for l sec.cor.,mal of stone,3ft.base wash,15 lks.wide, 30.10 The cor. of secs.  Land,rolling,	Amin Jilma had man Ol and OF
exceptionally dense wash, 25 lks. wide, 24.90 wash, 20 lks. wide, 30.15 wash, 15 lks. wide, 30.15 for 1 sec.cor. main of stone, 3ft. base wash, 15 lks. wide, 30.10 for cor. of secs. Land, rolling, 30.10 for water and other end of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the 25 and 26.  Thence I run N 0°01 w. bet. 09er rolling 1 exceptionally dense wash, 15 lks. wide, 40.00 wash, 15 lks. wide, 40.00 for cor. main for 1 sec.cor. main 12ins., N. and S. of earth, 3½ ft. base, 14 sec.cor. main 12ins., N. and S. of earth, 3½ ft. base, 32 for 2 sec.cor. of secs. on s. and 1 notch 26t. base, 1½ ft. him. Land, rolling. 301, rocky; 3r No timber. Underbrush, green 250.55 wash, 15 lks. wide, 301, rocky; 3r No timber. Underbrush, green 30.00 chs.  Thence I run 2 sec.co. Interse in the sec.cor. of secs. on 5 secs. o	true line bet.secs.24 and 25.
0.30 1.15 Wash,20 lks.wide,6 24.90 Wash,15 lks.wide,6 30.15 Wash,15 lks.wide,6 30.15 For lks.wide,6 30.15 Wash,15 lks.wide,6 30.15 For lks.wide,6 30.16  1.50 Wash,15 lks.wide,6 30.10  The cor. of secs.  Land,rolling, Coil,rocky; 3re No timber. Underbrush,gree Rolling land co nally dense under of water and other end of these notes 30.10 chs,  January 14; At on the decl.arc; a meridian with the 25 and 26. Thence I run N 0°01'W. bet.6	ing land covered with loose rocks thru
1.15 24.90 28.35 Wash,20 lks.wide,28.35 Wash,15 lks.wide,39 Wash,15 lks.wide,39 Wash,15 lks.wide,39 Set a malpais for \$\frac{1}{2}\$ sec.cor.,main of stone,3ft.base wash,15 lks.wide,30.10 The cor. of secs.\$\frac{1}{2}\$ land, rolling,301, rocky; 3re wo timber. Underbrush, gree Rolling land on the decl.arc; a meridian with the decl.arc;	
Wash,20 lks.wide,  28.35 Wash,15 lks.wide,  30.15 Wash,15 lks.wide,  30.16 Set a malpais,  for 1 sec.cor.,mal  of stone,3ft.base  Wash,15 lks.wide,  80.10 The cor. of secs.  Land,rolling,  Toil,rocky; 3re  No timber.  Underbrush,gree  Rolling land conally dense under  of water and other  end of these notes  80.10 chs,   January 14; At  on the decl.arc;  a meridian with the  25 and 26.  Thence I run  No 01'W. bet.  Ofer rolling leax exceptionally dense  1.80 Wash,15 lks.wide,  Wash,15 lks.wide,  20.00 Wash,200 lks.wide,  30.00 Set a malpais of a sec.cor.,max  X12ins.,N.and S. of earth,3½ ft.bas  for 1 sec.cor.,max  X12ins.,N.and S. of earth,3½ ft.bas  for earth,3½ ft.bas  for cor. of secs.  on s.and l noteh of these notes  30.00 chs.  Thence I run  Sey 50'E. on  13,13,19 and 24.  Thence I run  Newson these notes  80.00 chs.  Thence I run  Sey 50'E. on  Set temp.½ sec.co  Intersect the E. i  3,13,19 and 24.  Thence I run  Newson these notes  80.00 chs.	course SW. Over loose rocks.
Wash,15 lks.wide,  Set a malpais for 1 sec.cor., man of stone,3ft.base  41.50 wash,15 lks.wide,  80.10 The cor. of secs.  Land,rolling,	course SW. Over loose rocks.
wash,15 lks.wide, set a malpais for 1 sec.cor., main of stone,3ft.base wash,15 lks.wide, sollo the cor. of secs.  Land,rolling, Coil,rocky; 3re No timber. Underbrush,gree Rolling land consolly dense under of water and other end of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the decl.arc; a meridian with the seceptionally dense wash,15 lks.wide, wash,15 lks.wide, wash,15 lks.wide, wash,15 lks.wide, set a malpais for 1 sec.cor., main xl2ins.,N.and S. cof earth, 3 th.base 45.33 Road,course NE.and xl2ins.,N.and S. cof earth, 3 th.base 45.35 Road,course NE.and xl2ins.,N.and S. cof earth, 3 th.base set a malpais for cor. of secs. on s.and l noteh constitute. Telephone line, bears for cor. of secs. on s.and l noteh constitute. Underbrush, green Rolling land constitute.	course SW. Over loose rocks.
set a malpais for \$\frac{1}{2}\$ sec.cor., main of stone, \$\frac{3}{2}\$ t. base wash, \$15\$ lks. wide, \$\frac{3}{2}\$ t. land, rolling, \$\frac{1}{2}\$ oil, rocky; \$\frac{3}{2}\$ to timber. Underbrush, gree Rolling land of mally dense under of water and other end of these notes \$0.10\$ chs,   January 14; At on the decl.arc; a meridian with \$\frac{1}{2}\$ and \$26\$.  Thence I run \$\frac{1}{2}\$ no \$\frac{1}{2}\$ t. lks. wide, \$\frac{1}{2}\$ dense wash, \$15\$ lks. wide, \$\frac{1}{2}\$ sec.cor., main \$\frac{1}{2}\$ sec.co	course Sw. Over loose rocks.
for \$\frac{1}{4}\$ sec.cor., main of stone, 3ft. base wash, 15 lks. wide, The cor. of secs. Land, rolling, Toil, rocky; 3re No timber. Underbrush, gree Rolling land or nally dense under of water and other end of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs.  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs.  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs.  January 14; At on the decl.arc; a meridian with the second of these notes 80.00 chs.	course SW. Over loose rocks.
for \$\frac{1}{4}\$ sec.cor., main of stone, 3ft. base wash, 15 lks. wide, The cor. of secs. Land, rolling, Toil, rocky; 3re No timber. Underbrush, gree Rolling land or nally dense under of water and other end of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs.  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs.  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs.  January 14; At on the decl.arc; a meridian with the second of these notes 80.00 chs.	stone,24x8x5ins.,18ins.in the ground,
of stone, 3ft. base wash, 15 lks. wide, 30.10 The cor. of secs. Land, rocky; 3rd No timber. Underbrush, gree Rolling land on ally dense under of water and other end of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the 25 and 26. Thence I run N 0°01'W. bet.: Ofer rolling lesceptionally dense wash, 15 lks. wide, 40.00 Wash, 200 lks. wide, 3et a malpais for 1 sec. cor., max 12ins., N. and S. of earth, 3½ ft. base, 15 ft. base, 15 ft. his land, rolling. Set a malpais for cor. of secs. on S. and 1 notes. On S. and 24. These notes 80.00 chs.  Thence I run S. 89°50'E. on Set temp. 1 sec. co. Intersect the E. 13, 13, 19 and 24. Thence I run N. 89°52'W. on Descending over rocks thru dense to rocks thru dense t	rked 1 on N, face,; and raise a mound
### ### ### ### ### ### ### ### ### ##	,1 ft. high, N. of cor. Pits impraticable
Ind, rolling, roil, rocky; 3re No timber. Underbrush, gree Rolling land conally dense under of water and other end of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the 25 and 26. Thence I run No°01'W. bet. Offer rolling 10 exceptionally dense wash, 15 lks. wide, wash, 15 lks. wide, wash, 200 lks. wide, wash, 200 lks. wide, wash, 50 lks. wide, set a malpais for \$\frac{1}{2}\$ sec. cor., mal x12ins., N. and S. of earth, 3\frac{1}{2}\$ ft. bash, 15 lks. wide, wash, 15 lks. wide, set a malpais for cor. of secs. on s. and 1 noteh construction of the set of the set. In and, rolling. Soil, rocky; 3re No timber. Underbrush, gree Rolling land construction of these notes 80.00 chs.  Thence I run S 89°50'E. on Set temp. \$\frac{1}{2}\$ sec. cor. Intersect the E. 13, 13, 19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense underse to the construction of the construc	course Sw. Over loose rocks.
Land, rolling, roil, rocky; 3rd No timber.  Underbrush, gree Relling land of mally dense under of water and other end of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the second	·
January 14; At on the decl.arc; a meridian with the exceptionally dense wash, 15 lks. wide, set a malpais for \$\frac{1}{4}\$ sec. cor., mark 12ins., w. and \$\frac{1}{4}\$ sec. cor., sec. and \$\frac{1}{4}\$ sec. cor. of secs. on \$\frac{1}{4}\$ sec. cor. of secs. of se	Adjatjadjana 20.
No timber.  Underbrush, green Rolling land of mally dense under of water and other end of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the secretion of the secretion	ad mada
January 14; At on the decl. arc; a meridian with the second of the secon	d rate,
Rolling land or nally dense under of water and other end of these notes 80.10 chs,  January 14; At on the decl.arc; a meridian with the 25 and 26. Thence I run Nocoliw. bet.: Over rolling 1: exceptionally dense wash, 15 lks. wide, wash, 200 lks. wide, wash, 200 lks. wide, wash, 50 lks. wide, wash, 50 lks. wide, set a malpais for 4 sec. cor., marklains., N. and S. of earth, 3½ ft. bash, 15 lks. wide, set a malpais for earth, 3½ ft. bash, 15 lks. wide, set a malpais for cor. of secs. on S. and I noteh aft. base, 1½ ft. his land, rolling. Soil, rocky; 3re No timber. Underbrush, green Rolling land or ally dense underbruster and of these notes 80.00 chs.  Thence I run S 89°50'E. on Set temp. \$ sec. cor. Intersect the E. 13, 13, 19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense to the second of the sec	
January 14; At on the decl.arc; a meridian with the 25 and 26. Thence I run N 0°01'W. bet.: Offer rolling 1: exceptionally den Wash,15 lks.wide, Wash,200 lks.wide, Wash,50 lks.wide, Wash,50 lks.wide, Set a malpais for \$\frac{1}{4}\$ sec.cor., marklins., N. and S. of earth, \$\frac{1}{2}\$ ft. bask for \$\frac{1}{4}\$ sec.cor., marklins., N. and S. of earth, \$\frac{1}{2}\$ ft. bask for cor. of sees. On S. and I noteh 2ft. base, \$\frac{1}{2}\$ ft. his Land, rolling. Soil, rocky; 3re No timber. Underbrush, gree Rolling land coally dense underbruster and other rend of these notes \$0.00 chs.  Thence I run S \$9°50'E. on Set temp. \$\frac{1}{2}\$ sec.co. Intersect the E. 13,18,19 and 24. Thence I run N \$9°52'W. on Descending over rocks thru dense to the second of	easewood, sage and cacti.
January 14; At on the decl.arc; a meridian with the decl.arc; a meridian with the 25 and 26.  Thence I run No°01'W. bet.: Offer rolling 1: exceptionally density wash, 15 lks. wide, wash, 200 lks. wide, wash, 200 lks. wide, wash, 50 lks. wide, wash, 50 lks. wide, wash, 50 lks. wide, wash, 50 lks. wide, set a malpais for 1 sec. cor., max x12ins., N. and S. of earth, 3½ ft. base x12ins., N. and S. of earth, 3½ ft. base y1 sec. cor. of secs. on S. and I notch of the secs. On S. and of the secs. On timber.  Underbrush, green Relling land of ally dense underbrush, green Relling land of the secs. On S. and of the secs. On timber. Underbrush, green Relling land of the secs. On S. and of the secs. On S.	overed with loose rocks and exceptio-
January 14; At on the decl.arc; a meridian with the decl.arc; a meridian with the 25 and 26.  Thence I run N 0°01'W. bet.: Offer rolling 1: exceptionally density dens	brush, and on account of the scarcity
January 14; At on the declarc; a meridian with the 25 and 26. Thence I run N 0°01'W. bet. Offer rolling Is exceptionally den 1.80 Wash,15 lks.wide, 14.00 Wash,200 lks.wide, 20.00 Wash,50 lks.wide, 20.00 Wash,50 lks.wide, 30.00 Set a malpais for \(\frac{1}{2}\) sec. cor., man x12ins., N. and S. of earth, 3\(\frac{1}{2}\) ft. ban A5.95 Hephone line, bears 45.95 Wash,15 lks.wide, 30.00 Set a malpais for cor. of secs. on S.and I notch 2ft.base, 1\(\frac{1}{2}\) ft. hi Land, rolling. Soil, rocky; 3re No timber. Underbrush, gree Rolling land co ally dense underb water and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 79.98 Intersect the E. 13,13,19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense to	er reasons more fully explained at the
January 14; At on the decl.arc; a meridian with the 25 and 26. Thence I run N 0°01'W. bet. Offer rolling 16 exceptionally den 1.80 Wash,15 lks.wide, 14.00 Wash,200 lks.wide, 20.00 Wash,50 lks.wide, 20.00 Wash,50 lks.wide, 30.00 Set a malpais for \(\frac{1}{2}\) sec. cor., man X12ins., N. and S. of earth, 3\(\frac{1}{2}\) ft. ban A5.95 Wash,15 lks.wide, 30.00 Set a malpais for cor. of secs. on S. and I notch of 2ft.base, 1\(\frac{1}{2}\) ft. hi Land, rolling. Soil, rocky; 3re No timber. Underbrush, gree Rolling land co ally dense underb water and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 79.98 Intersect the E. 13,13,19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense to	es, exceptionally difficult to survey,
on the decl.arc; a meridian with the 25 and 26.  Thence I run N 0°01'W. bet. Offer rolling is exceptionally dense wash, 15 lks. wide, wash, 15 lks	
on the decl.arc; a meridian with the 25 and 26.  Thence I run N 0°01'W. bet. Offer rolling is exceptionally dense wash, 15 lks. wide, wash, 15 lks	January 13,1910.
on the decl.arc; a meridian with the 25 and 26.  Thence I run N 0°01'W. bet. Offer rolling is exceptionally dense wash, 15 lks. wide, wash, 15 lks	
on the decl.arc; a meridian with the 25 and 26.  Thence I run N 0°01'W. bet. Offer rolling is exceptionally dense wash, 15 lks. wide, wash, 15 lks	<b>√</b>
on the decl.arc; a meridian with the 25 and 26.  Thence I run N 0°01'W. bet. Offer rolling is exceptionally dense wash, 15 lks. wide, wash, 15 lks	8h.00mm.m.,1.m.t.,I set off 21 20'S.
a meridian with the 25 and 26.  Thence I run N 0°01'W. bet.: Offer rolling 1: exceptionally dense wash,15 lks.wide, 0 wash,200 lks.wide, 0 wash,50 lks.wide, 0 wash,50 lks.wide, 0 wash,50 lks.wide, 0 wash,50 lks.wide, 0 set a malpais of earth,3½ ft.bash 25.33 Road, course NE. and 25.95 Telephone line, bears 10.55 wash,15 lks.wide, 0 set a malpais of cor. of secs. on s.and 1 notch 0 set a malpais of cor. of secs. on s.and 1 notch 0 set a malpais of cor. of secs. on s.and 1 notch 0 set a malpais of cor. of secs. on s.and 1 notch 0 set a malpais of cor. of secs. on s.and 1 notch 0 set a malpais of cor. of secs. On s.and 1 notch 0 set a malpais of cor. of secs. On s.and 1 notch 0 set a malpais of cor. of secs. On s.and 1 notch 0 set a malpais of cor. of secs. On s.and 1 notch 0 set a malpais of cor. of secs. On s.and 1 notch 0 set a malpais of cor. of secs. On s.and 1 notch 0 set a malpais of cor. of secs. On s.and 1 notch 0 set a malpais of cor. of secs. On s.and 1 notch 0 set a malpais of cor. of secs. On s.and 1 notch 0 secs. On s.a	35°06'N. on the lat.arc and determine
Thence I run N 0°01'W. bet.: Offer rolling I: exceptionally den: Wash,15 lks.wide, 14.00 Wash,200 lks.wide, 20.00 Wash,50 lks.wide, Set a malpais : for \( \frac{1}{2}\) sec.cor., mark X12ins., N. and S. ( of earth,3\( \frac{1}{2}\) ft. bas A5.33 A5.95 Telephone line, bears To.55 Wash,15 lks.wide, Set a malpais for cor. of secs. on S. and l notch 2ft.base,1\( \frac{1}{2}\) ft. his Land, rolling. Soil, rocky; 3re No timber. Underbrush, gree Rolling land co ally dense underby water and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 Thence I run N 89°52'W. on Descending over rocks thru dense in	the solar at the cor. of secs.23,24,
Thence I run N 0°01'W. bet.: Offer rolling 1: exceptionally den: 1.80 Wash,15 lks.wide, 14.00 Wash,200 lks.wide, 20.00 Wash,50 lks.wide, 30.00 Set a malpais for \( \frac{1}{2}\) sec.cor., mark 12ins., N. and S. of earth, 3\( \frac{1}{2}\) ft. base 45.33 Road, course NE. and 45.95 Telephone line, bears 150.55 Wash,15 lks.wide, 30.00 Set a malpais for cor. of secs. on S. and 1 notch (2ft.base, 1\( \frac{1}{2}\) ft. his Land, rolling. Soil, rocky; 3re No timber. Underbrush, gree Rolling land co ally dense underbrush water and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 79.98 Thence I run N 89°52'W. on Descending over rocks thru dense to	NOTE OF SELECTION
N 0°01'W. bet.:  Ofer rolling 1:  exceptionally den:  1.80 Wash,15 lks.wide,  4.00 Wash,200 lks.wide  20.00 Wash,50 lks.wide,  Set a malpais:  for 1/2 sec.cor.,mar  X12ins.,N.and S. of  earth,31/2 ft.bar  Road,course NE.and  45.33 Road,course NE.and  45.95 Telephone line, bears  80.00 Set a malpais:  for cor. of secs.:  on S.and l notch  2ft.base,11/2 ft.his  Land,rolling.  Soil,rocky; 3re  No timber.  Underbrush,gree  Rolling land co  ally dense underbry  water and other re  end of these notes  80.00 chs.  Thence I run  S 89°50'E. on  40.00 Set temp.1/2 sec.com  Intersect the E. 1  13,13,19 and 24.  Thence I run  N 89°52'W. on  Descending over  rocks thru dense to	
Ofer rolling 1 exceptionally dense 1.80 Wash,15 lks.wide, 14.00 Wash,200 lks.wide 15.40 Wash,50 lks.wide, 20.00 Wash,50 lks.wide, 30.00 Set a malpais for \$\frac{1}{2}\$ sec. cor., man x12ins., N. and S. of earth,3\frac{1}{2}\$ ft. bas 45.33 Road, course NE. and 45.95 Telephone line, bears 48.42 Power line, bears 50.55 Wash,15 lks.wide, 30.00 Set a malpais for cor. of secs. on S. and l notch 2ft.base,1\frac{1}{2}\$ ft. his Land, rolling. Soil, rocky; 3re No timber. Underbrush, gree Rolling land co ally dense underb water and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 Set temp.\frac{1}{2}\$ sec. cor Intersect the E. i 13,13,19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense in	secs 23 and 24.
exceptionally dense wash, 15 lks.wide, 14.00 Wash, 200 lks.wide, 20.00 Wash, 50 lks.wide, 20.00 Wash, 50 lks.wide, 20.00 Set a malpais for \$\frac{1}{2}\$ sec.cor., mark 21 ins., N. and \$\frac{1}{2}\$ ft. base of earth, \$\frac{1}{2}\$ ft. base of earth, \$\frac{1}{2}\$ ft. base of sec.cor. of secs. 20.55 Wash, 15 lks.wide, 25 set a malpais for cor. of secs. 25 on \$\frac{1}{2}\$ ft. his land, rolling. 25 soil, rocky; 3rd No timber. Underbrush, greated ally dense underbrush water and other residence of these notes \$0.00 chs.  Thence I run \$\frac{1}{2}\$ sec.cor. Intersect the E. 13, 13, 19 and 24. Thence I run N 89° 52' W. on Descending over rocks thru dense in the sec.co. 25 sec.co.	and covered with loose rocks thru
1.80 Wash, 15 lks. wide, 14.00 Wash, 200 lks. wide, 20.00 Wash, 50 lks. wide, 6 Set a malpais for \$\frac{1}{2}\$ sec. cor., mark 12 ins., N. and S. of earth, 3\frac{1}{2}\$ ft. bask 15.95 Road, course NE. and 15.95 Wash, 15 lks. wide, 6 Set a malpais for cor. of secs. on S. and 1 notch 6 2 ft. base, 1\frac{1}{2}\$ ft. his Land, rolling. Soil, rocky; 3rd No timber. Underbrush, greated ally dense underbrush water and other reside of these notes 80.00 chs.  Thence I run S 89°50'E. on 5 Set temp. \$\frac{1}{2}\$ sec. cor. Intersect the E. 13, 13, 19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense to the sec. of the core of the sec. of the core of	
14.00 15.40 Wash, 200 lks.wide, 6 20.00 Wash, 50 lks.wide, 6 Set a malpais s for \$\frac{1}{2}\$ sec. cor., mar X12ins., N. and S. of earth, 3\frac{1}{2}\$ ft. bas A5.33 A5.95 Helphone line, bears s A5.95 Wash, 15 lks.wide, 6 Set a malpais s for cor. of secs. on S. and l notch of 2ft. base, 1\frac{1}{2}\$ ft. his Land, rolling. Soil, rocky; 3re No timber. Underbrush, gree Rolling land co ally dense underbruster and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 79.98 Intersect the E. s 13,13,19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense s	
Wash, 15 lks. wide, 6 20.00 Wash, 50 lks. wide, 6 Set a malpais of for \$\frac{1}{4}  sec. cor., mark	
20.00  Wash, 50 lks. wide, 6  Set a malpais a for \( \frac{1}{2} \) sec. cor., man	
for \$\frac{1}{2}\$ sec. cor., mand \$\frac{1}{2}\$ ft. base \$\frac{1}{2	· ·
for \$\frac{1}{2}\$ sec.cor., man	course SW. Over loose rocks.
Allins., N. and S. of earth, 3½ ft. bar A5.33 Road, course NE. and A5.95 Telephone line, bears 1 50.55 Wash, 15 lks. wide, of Set a malpais 1 for cor. of secs. on S. and 1 notch of 2ft. base, 1½ ft. his Land, rolling. Soil, rocky; 3rd No timber. Underbrush, gree Rolling land co ally dense underbrushed and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 Set temp.½ sec.com Intersect the E. of 13,13,19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense of	stone, 18x8x6ins., 12ins.in the ground,
of earth, 3½ ft. base 45.33 Road, course NE. and 45.95 Telephone line, bears 50.55 Wash, 15 lks. wide, of set a malpais for cor. of secs. on S. and I notch	rked 1 on W. face; and dig pits, 18X18
A5.33 Road, course NE.and A5.95 Telephone line, bears Telephone line, bears To.55 Wash, 15 lks.wide, of Set a malpais for cor. of secs. on S.and l notch of 2ft.base, 1½ ft.his Land, rolling. Soil, rocky; 3rd No timber. Underbrush, gree Rolling land co ally dense underby water and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 30.00 chs.  Thence I run N 89°52'W. on Descending over rocks thru dense in	of stone, 3ft. dist.; and raise a mound
Telephone line, bears 1  48.42 Power line, bears 1  50.55 Wash, 15 lks. wide, 6  Set a malpais 3  for cor. of secs. 3  on S. and 1 notch 6  2ft. base, 1½ ft. his  Land, rolling.  Soil, rocky; 3re  No timber.  Underbrush, gree  Rolling land co  ally dense underb;  water and other re  end of these notes  80.00 chs.  Thence I run  S 89°50'E. on  40.00 Set temp. ½ sec.co;  Intersect the E. 1  13,13,19 and 24.  Thence I run  N 89°52'W. on  Descending over  rocks thru dense in	se, l ft. high, w. of oor.
Power line, bears 1 50.55 Wash, 15 lks.wide, 6 30.00 Set a malpais for cor. of sees. on S. and 1 notch 6 2ft. base, 1½ ft. his Land, rolling. Soil, rocky; 3re No timber. Underbrush, gree Rolling land co ally dense underby water and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 79.98 Intersect the E. 1 13,13,19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense to	id SW.
Set a malpais of for cor. of secs. on S. and 1 notch of 2ft. base, 1½ ft. his Land, rolling. Soil, rocky; 3rd No timber. Underbrush, gree Rolling land co ally dense underbrush water and other resid of these notes 80.00 chs.  Thence I run S 89°50'E. on 1880'S 18	ers NE. and Sw.
Set a malpais of for cor. of secs. on S. and 1 notch of 2ft. base, 1½ ft. his Land, rolling. Soil, rocky; 3rd No timber. Underbrush, gree Rolling land co ally dense underbrush water and other resid of these notes 80.00 chs.  Thence I run S 89°50'E. on 1880'S 18	NE. and SW.
set a malpais for cor. of secs. on S.and 1 notch of 2ft.base,1½ ft.his Land,rolling. Soil,rocky; 3rd No timber. Underbrush,gree Rolling land co ally dense underbr water and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 Set temp.½ sec.com Intersect the E. 1 13,13,19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense to	course sw. Over loose rocks.
for cor. of secs on S.and 1 notch of 2ft.base, 1½ ft.his Land, rolling. Soil, rocky; 3rd No timber. Underbrush, gree Rolling land co ally dense underby water and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 Set temp.½ sec.com 79.98 Intersect the E. 1 13,13,19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense temp.	stone,18x8x8ins.,12ins.in the ground,
on S.and 1 notch of 2ft.base, 1½ ft.his Land, rolling. Soil, rocky; 3rd No timber. Underbrush, gree Rolling land of ally dense underbrush water and other reservable of these notes 80.00 chs.  Thence I run S 89°50'E. on 1 80.00 chs.  Thence I run S 89°50'E. on 1 13,13,19 and 24. Thence I run N 89°52'W. on 1 Descending over rocks thru dense to	13,14,23 and 24, marked with 3 notches
Zft.base, 1½ ft.his Land, rolling. Soil, rocky; 3re No timber. Underbrush, gree Rolling land co ally dense underby water and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 Set temp.½ sec.com 79.98 Intersect the E. 1 13,18,19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense to	on E. edge; and raise a mound of stone
Land, rolling. Soil, rocky; 3rd No timber. Underbrush, gree Rolling land co ally dense underbr water and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 Set temp. 1 sec.com 79.98 Intersect the E. 1 13,13,19 and 24. Thence I run N 89°52'W. on Descending over	gh, w. of cor. Pits impraticable.
Soil, rocky; 3rd No timber. Underbrush, gree Rolling land co ally dense underbr water and other ro end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 Set temp.\(\frac{1}{2}\) sec.co 79.98 Intersect the E. 0 13,13,19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense to	Sith . Of Onto Eran Tuntiantoanto.
No timber. Underbrush, gree Rolling land co ally dense underby water and other re end of these notes 80.00 chs.  Thence I run S 89°50'E. on 40.00 Set temp. 1 sec. co 79.98 Intersect the E. 1 13,13,19 and 24. Thence I run N 89°52'W. on Descending over rocks thru dense temp.	ad mode
Thence I run S 89°50'E. on 13,13,19 and 24. Thence I run S 89°52'W. on Descending over	d rate.
Thence I run S 89°50'E. on 40.00 Set temp. 1 sec.com 79.98 Intersect the E. 1 13,18,19 and 24. Thence I run N 89°52'W. on Descending over	
ally dense underby water and other restricted of these notes 80.00 chs.  Thence I run S 89°50'E. on 3 40.00 Set temp. 1 sec. co. 79.98 Intersect the E. 1 13,18,19 and 24. Thence I run N 89°52'W. on 3 Descending over rocks thru dense to	easewood, sage, catclaw and cacti.
Thence I run S 89°50'E. on 40.00 Set temp. 1 sec.com Intersect the E. il 13,13,19 and 24. Thence I run N 89°52'W. on Descending over	covered with loose rocks and exception-
Thence I run S 89°50'E. on 40.00 Set temp.\(\frac{1}{2}\) sec.co. 79.98 Intersect the E. \(\frac{1}{3}\),13,19 and 24. Thence I run N 89°52'W. on Descending over	orush, and on account of the scarcity of
Thence I run S 89°50'E. on 40.00 Set temp. 1 sec.com 79.98 Intersect the E. 1 13,13,19 and 24. Thence I run N 89°52'W. on Descending over	reasons more fully explained at the
Thence I run S 89°50'E. on 1 40.00 Set temp. 1 sec.com 79.98 Intersect the E. 1 13,18,19 and 24. Thence I run N 89°52'W. on Descending over	es, exceptionally difficult to survey,
S 89°50'E. on 3 40.00 Set temp. 1 sec. co. 79.98 Intersect the E. 1 13,18,19 and 24. Thence I run N 89°52'W. on Descending over	
S 89°50'E. on 3 40.00 Set temp. 1 sec. co. 79.98 Intersect the E. 1 13,18,19 and 24. Thence I run N 89°52'W. on Descending over	
S 89°50'E. on 3 40.00 Set temp. 1 sec. co. 79.98 Intersect the E. 1 13,18,19 and 24. Thence I run N 89°52'W. on Descending over	
40.00 Set temp. sec.com 79.98 Intersect the E. 1 13,18,19 and 24. Thence I run N 89° 52' W. on Descending over rocks thru dense t	
79.98 Intersect the E. 13,13,19 and 24. Thence I run N 89° 52' W. on Descending over	random line bet.secs.13 and 24.
13,18,19 and 24. Thence I run N 89° 52'W. on Descending over	
13,18,19 and 24. Thence I run N 89° 52'W. on Descending over	bdy.of Tp.5 lks.S. of the cor. of secs.
Thence I run N 89° 52'W. on Descending over rocks thru dense	
N 89° 52'W. on the Descending over rocks thru dense to	
Descending over	true line bet.secs.13 and 24.
rocks thru dense	r rolling land covered with loose
1	
	course SW. Over loose rocks.
	9

chains. Wash, 20 1ks. wide, course SW. Over loose rocks. 4.00 Wash, 20 1ks. wide, course Sw. Over loose rocks. 6.00 Across wash, course SW. 14.30 Leave wash, course SW. Over loose rocks. Road, to Kingman, bears NE. and SW. 21.70 32.85 Telephone line, bears NE. and, SW. 34.80 Set a malpais stone, 18x10x6ins., 12ins.in the ground, for \(\frac{1}{2}\) sec.cor., marked \(\frac{1}{2}\) on N.face; and raise a mound of stone, 2ft.base, 1\(\frac{1}{2}\) ft.high, N. of cor. Pits impraticable. 39.99 Power line, bears NE. and SW. 44.75 The cor. of secs.13,14,23 and 24. 79.98 Land, rolling. Soil, rocky; 3rd rate. No timber. Underbrush, greasewood, sage and cacti. Rolling land covered with loose rocks and exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 79.98ch At this cor. I set off 21°20'S. on the decl.arc; and observe the sun on the meridian at maon the resulting -lat.is 35°07'N. Thence I run N 0°01'W. bet.secs.13 amd 14. Over rolling land covered with loose rocks thru exceptionally dense underbrush. Wash, 20 1ks. wide, course SW. Over loose rocks. 18.40 Wash, 20 1ks. wide, course SW. Over loose rocks. 26.60 Set a malpais stone, 18X6X6ins., 12ins.in the ground, for \$\frac{1}{2}\text{ sec.cor., marked \$\frac{1}{2}\text{ on W.face; and raise a mound of stone, 2ft. hase, \$1\frac{1}{2}\text{ ft. high, W. of cor. Pits impraticable.} 40.00 Wash, 20 1ks. wide, course SW. Over loose rocks. 45.60 Wash, 20 1ks, wide, course SW. Asc. along steep SW. slope 50.75 over loose rocks. Desc.along steep NW.slope over loose rocks. 65.00 Wash, 15 1ks. wide, course SW. Asc. steep slope over loose 72.25 rocks and boulders. Top of ridge, bears E. and W. Desc. steep slope over loose 79.00 rocks and boulders. Set a malpais stone, 18x10x6ins., 12ins.in the ground, for 80.00 cor. of secs.11,12,13, and 14, marked with 4 notches on S. and 1 notch on E. edge; and raise a mound of stone, 2ft.base, 1 ft.high, w. of cor. Pits impraticable. Land, rolling and mountainous. Soil, rocky; 3rd and 4th rate. No timber. Underbrush, grease wood, sage and cacti. Rolling and mountainous land covered with loose rocks and boulders and dense underbrush, and on accountof this scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey,80.00 chs. Thence I run S 89°52'E. on random line bet.secs.12 and 13. Set temp.  $\frac{1}{4}$  sec. cor. Intersect the E.bdy. of Tp.5 lks. S. of the cor. of secs. 40.00 80.04 7,12,13 and 18. Thence I run N 89.54.W. on true line bet.secs.12 and 13. Ascending along steep N. slope over loose rocks and boulders thru dense underbrush. Asc, steepEslope over loose rocks and boulders. 20.00 Top of high ridge, bears NW. and SE. Desc. steep slope over 32.00

loose rocks and boulders.

118

	Subdivision of Tp.20 N., Rg. 18 West.
chains. 40.02	Point for \(\frac{1}{4}\) sec.cor.falls on a malpais rock in place, \(2X1\frac{1}{2}X1\frac{1}{2}\) ft.above ground, cut cross(X) at the point for \(\frac{1}{4}\) sec.cor., and mark \(\frac{1}{2}\) on N. of cross; and raise a mound of stone, \(2ft\). base, \(\frac{1}{2}\) ft.high, N. of cor. Pits impraticable
42,60	Wash, 20 lks. wide, course SW. Along steep rough S. slope over loose rocks and boulders.
55.50	Wash, 20 lks. wide, course S. Along steep S. slope over loose rocks and boulders.
72.50 75.00	Ascend steep rough E. slope over loose rocks and boulder Top of ridge, bears NE. and SW. Desc. steep slope over
80.04	loose rocks and boulders. The cor of secs.11,12,13, and 14.
	Land, mountainous. Soil, rocky; 4th rate.
	No timber. Underbrush, greasewood, sage and cacti.
	Mountainous land covered with loose rocks and boulder
	and dense underbrush, and on account of the scarcity of mater and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04ch
	January 14,1910.
	January 15; At 8h.00m., A.m., l.m.t., I set off 21°09'S. on the decl.arc; 35°08'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.11,12,13
4	and 14. Thence I run
	N 0°01'W. bet.secs.11 and 12. Desc.steep slope over loose rocks and boulders thru
3.00	dense underbrush. Over rolling land thru exceptionally dense underbrush.
29.65	
40.00	for $\frac{1}{2}$ sec.cor., marked $\frac{1}{4}$ on w. face; and raise a mound of stone, $2ft$ . base, $1\frac{1}{2}$ ft. high, w. of cor. Pits impraticable.
58.20 70.00	Wash, 20 1ks. wide, course SW. Over loose rocks. Wash, 15 1ks. wide, course SW. Over loose rocks.
80.00	Set a malpais stone, 18X10X8ins., 12ins., in the ground, for cor. of secs.1,2,11 and 12, marked with 5 notches on S. and 1 notch on E. edge; and raise a mound of stone,
	2ft.basemlift.high, W. of cor. Pits impraticable. Land, mountainous and rolling.
Comment on the Comment of the Commen	Soil, rocky; 3rd and 4th mate. No timber.
The state of the s	Underbrush, greasewood, sage and cacti. Mountainous and rolling land covered with loose rocks
	and exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to
	survey,80.00 chs.
	Thence I run
40.00	S 89°54'E. on random line bet. secs. 1 and 12.
<b>40.00</b> <b>80.00</b>	Set temp. dec. cor., Intersect the E.bdy.of Tp.2 lks.S. of the cor. of secs. 1,6,7,and 12.
	Thence I run N 89° 55'W. on true line bet.secs.l and 12. Over rolling land covered with loose rocks, thru
13.00 13.75	dense underbrush. Wash, 10 lks. wide, course Sw. Over loose rocks. Old road, bears Nw. and SE.
40.00	Set a malpais stone, 15X8X6ins., 10ins.in the ground, for \( \frac{1}{4} \) sec.cor., marked \( \frac{1}{4} \) on N. face; and raise a mound of stone, 27t. base, 1\( \frac{1}{2} \) ft. high. N. of cor. Pits impraticable.

#### Subdivision of To. 20 N. Rg. 18 West chains wash,15 lks.wide,course Sw. over loose rocks. 43.85 wash, 10 lks. wide, course SW. Over loose rocks. 70.35 The cor. of secs.1,2,11 and 12. 80.00 Land, rolling. Soil, rocky; 3rd rate. No timber. Underbrush, greasewood, sage and cacti. Rolling land covered with loose rocks and dense underbrush and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs. At the cor. of secs.1,2,11 and 12 I set off 21°09 S. on the decl.arc and obderve the sun on the meridian at noon; the resulting lat. is 35'08 N. Thence I run N 0°01'W. betreecalland 20th acon. A Set Over level land. thru dense underbrush. 87.00 Wash, 200 iks. wide, course W. Wash, 20 lks. wide, course SW. 10.30 40.00 Set a malpais stone, 18x10x6ins., 12ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{2}$ on W.face; dig pits, 18X18X12ins. M. and S.of stone, 3ft. dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Wash, 15 lks. wide, course SW. 60.65 Wash, 15 lks. wide, course SW. 78.00 Intersect the 5th Standard Parallel N., 4.72 chs. W. of 82.23 the standard & sec. cor on the S. bdy. of sec. 36, which is a stone, marked and witnessed as described by the Surveyor General. Set a malpais stone, 18X8X8ins., 12ins.in the ground, for closing cor. of secs. 1 and 2., marked cc on s., with 1 groove on E. and 5 grooves on W. face; dig pits, 24x18x12ins., crosswise on each line, E. and W, 3ft., and S.of stone, 7ft. dist.; and raise a mound of eart 4ft.base,2ft.high,S. of cor. Land, level. Boil, gravelly; 2nd rate. No timber. Underbrush, grease rood, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey,82.23 chs. From the cor. of secs. 2,3,34 & 35 on the south bdy. N 0°01 W. bet.secs.34 and 35. Over level land covered with loose rocks thru exceptionally dense underbrush. Wash, 20 lks. wide, course SW. Over loose rocks. Wash, 20 lks. wide, course SW. Over loose rocks. 14.85 20.00 Wash, 20 1ks. wide, course SW. Over loose rocks. 25.10 Set a malpais stone, 18X9X8ins., 12ins.in the ground, for tose., marked ton W.face; dig pits, 18X18X12ins. 40.00 N. and S. of stone, 3ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high, W. of cor. Wash, 20 lks. wide, course SW. Over loose rocks. 48.20 Wash, 20 1ks. wide, course SW. Over loose rocks. Wash, 20 1ks. wide, course SW. Over loose rocks. Wash, 20 1ks. wide, course SW Over loose rocks. 61.40 63.50 65.90 wash, 20 lks. wide, course SW. Over loose rocks. 67.45 Wash, 20 1ks. wide, course Sw Over loose rocks. 79.05 Set a malpais stone, 18x10x8ins., 12ins.in the ground, 80.00 for cor. of secs. 26, 27, 34 and 35, marked with 1 notch on S. and 2 notches on E. edge; dig pits, $18 \times 18 \times 12 \times 18$ each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth, 4ft. base, 2ft. high, w. of cor.

	SUDDIVISION OF TO.SO W. 'KS. 18 Mest.
chains.	Yang malliana
	Land, rolling. Soil, rocky; 3rd rate.
	No timber.
	Underbrush, greasewood, sage and cacti.
	Rolling land covered with loose rocks and exception-
	ally dense underbrush, and on account of the scarcity of
	water and other reasons more fully explained at the end
	of these notes, exceptionally difficult to survey,
	80.00 chs. January 15,1910.
	SU. UU Chs.
	Application of the second of t
	January 16; At 8h.00m.,a.m.,l.m.t.,I set off 20 58'5.
	on the decl.arc; 35°05 N. on the lat.arc and determine
	a meridian with the solar at the cor. of secs. 26,27,
	34 and 35.
	Thence I run
	S 89'52'F. on random line bet.secs.26 and 35.
40.00	Set temp. ½ sec. cor.
79.88	Intersect the N. and S.line at the cor. of secs.25,26,
	35 and 36.
	Thence I run
	N 89°52'W. on true line bet.secs.26 and 35.
	Slowly decsened over loose rocks thru exceptionally
	dense underbrush.
10.60	Wash, 20 lks. wide, course SW. Over loose rocks.
15.00	Wash, 20 lks. wide, course SW. Over loose rocks.
18.50 27.15	Wash, 20 lks. wide, course SW. Over loose rocks. Wash, 35 lks. wide, course SW. Over loose rocks.
38.00	Wash, 15 lks. wide, course SW. Over loose rocks.
39.75	Wash, 10 1ks. wide, course SW. Over loose rocks.
39.94	Set a malpais stone, 20x10x10ins., 15ins.in the ground,
30.01	for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of
	stone, 2ft. base, log ft. high, N. of cor. Pits impraticable.
79.88	The cor. of secs. 26, 27, 34 and 35.
	Land, rolling.
	Soil, rocky; 3rd rate.
	No timber.
	Underbrush, greasewood, sage, and cacti.
	Rolling land covered with lose rocks and exceptionally
	dense underbrush, and on account of the scarcity of water
	and other reasons more fully explained at the end of
	these notes, exceptionally difficult to survey, 79.38 chs.
	Thence I run
	N 0°01 W. bet.secs.26 and 27.
	Over rolling land covered with lose rocks and dense
	underbrush.
1.50	Wash, 10 1ks. wide, course SW. Over loose rocks.
5.35	Wash, 15 1ks. wide, course SW. Ower loose rocks.
13.00	Wash, 15 lks. wide, course SW. Over loose rocks.
23.80	Wash, 15 1ks. wide, course Sw. Over loose rocks.
38.15	Wash.35 lks.wide, course SW. Over loose rocks.
40.00	Set a malpais stone, $18X8X6$ ins., $12$ ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, $18X18X12$ ins.
	N.and S. of stone, 3ft. dist.; and raise a mound of earth
	3½ fit.base, 1½ ft.high, W. of cor.
55.30	Wash, 15 lks. wide, course SW. Over loose rocks.
58.15	Wash, 15 1ks. wide, course SW. Over loose rocks.
63.72	Power line, bears NE. and SW.
69.00	Wash, 15 1ks. wide, course SW. Over loose rocks.
76.55	Telephone line, bears NE. and SW.
77.45	Road, bears NE and SW.
79.00	Wash, 10 1ks. wide, course W. Over loose rocks.
80.00	set a malpais stone, 18X8X5ins., 12ins.in the ground,
<u> </u>	for cor. of secs. 22,23,26 and 27, marked with 2 notches
•	on S. and E edges; and raise a mound of stone, 2ft. base, 1 ft. high, w. of cor. Pits impraticable.
	TE TPUTRIDAS OF COL. LIES TUBERSTORNIAS
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1.22

Subdivision of Tp.20 N. Rg.18 West.

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chains.
                Land, rolling.
                Soil, rocky; 3rd rate.
                No timber.
                Underbrush, greasewood, sage and cacti.
                Rolling land covered with loose rocks and dense under
           brush, and on account of the scarcity of water and other
            reasons more fully explained at the end of these notes,
            exceptionally difficult to survey, 80.00 chs.

At this cor. I set off 20°58'S. on the decl. arc and
            observe the sun on the meridian at noon; the resulting
            lat.is 35°06'N.
               Thence I run
                S 89° 52'E. on random line bet. secs. 23 and 26.
            Set temp. \frac{1}{4} sec. cor. Intersect the N. and S. line, 5 lks. S. of the cor. of secs
 40.00
 79.88
            23,24,25 and 26.
                Thence I run
                N 89°54'W. on true line bet.secs.23 and 26.
                Slowly descend over loose rocks thru dense underbrush
            Wash, 25 1ks. wide, course SW. Over loose rocks.
  3.50
            Wash, 100 1ks. wide, course SW. Over loose rocks.
  7.70
            Wash, 20 1ks. wide, course SW. Over loose rocks. Wash, 20 1ks. wide, course SW. Over loose rocks. Wash, 20 1ks. wide, course SW. Over loose rocks.
 10.35
 20.40
 27.65
            Set a malpais stone.18X8X5ins.,12ins.in the ground, for \( \frac{1}{2} \) sec.cor.,marked \( \frac{1}{2} \) on N.face; dig pits,18X18X12ins. E.amd W.of stone,3ft.dist.; and raise a mound of earth, \( 3\frac{1}{2} \) ft.base,\( \frac{1}{2} \) ft.high, N. of cor.
 39.94
            Wash, 15 1ks. wide, course SW. Over loose rocks.
 42.30
            Wa h,15 lks.wide, course SW. Over loose rocks.
 48.15
            Power line, bears NE. and SW.
 58.05
            Wash, 15 lks. wide, course SW. Over loose rocks.
 68.90
 72.70
            Old road, bears NE. and SW.
            Telephone line, bears NE. and SW.
 73.80
            Road, bears NE. and SW.
 75.80
            wash, 15 1ks. wide, course Sw. Over loose rocks.
 76.50
            The cor. of secs. 22, 23, 26 and 27.
 79.88
                Land, rolling.
                Soil, rocky; 3rd rate.
                No timber.
                Underbrush, grease mood, sage and cacti.
                Rolling land covered with loose rocks and dense
            underbrush, and on account of the scarcity of water and
            other reasons more fully explained at the end of these
            notes, exceptionally difficult to survey, 79.88 chs.
                Thence I run
                N 0°01'7. bet.secs.22 and 23.
                 Over rolling land covered with loose rocks and dense
            underbrush.
             Wash, 15 lks. wide, course W. Over loose rocks.
   5.60
            Wash, 20 lks. wide, course SW. Over loose rocks. Wash, 20 lks. wide, course SW. Over loose rocks. Wash, 20 lks. wide, course SW. Over loose rock.
 11.50
  18.25
  36.80
             Set a malpais stone, 15x8x6ins., 10ins. in the ground, for \frac{1}{4} sec. cor., marked \frac{1}{4} on W. face; and raise a mound of
  40.00
             stone, 2ft. base, 1 ft. high, W. of cor. Pits impraticable. Wash, 30 lks. wide, course SW. Over loose rocks.
  41.30
             Wash, 20 1ks. wide; course SW. Over loose rocks.
  68.65
             Wash, 15 1ks. wide, course SW: Over loose rocks.
  79.60
                 Set a malpais stone, 20X6X6ins, 15ins.in the ground, f
  80.00
             for cor. of secs.14,15,22 and 23, marked with 3 notches on S. and 2 notches on E. edge; and raise a mound of stone
             2ft.base, 1 ft.high, W. of cor. Pits impraticable.
                 Land, rolling.
                 Soil, rocky; 3rd rate.
                 No timber.
                 Underbrush, grease wood, sage and cacti.
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_	olicelius i	Subdivision of Tp.20 N., Ng.18 West.
	Onarna.	Descend steep slope over huge malpais boulders thru
	6.00	dense underbrush.
	40.00	Over level land covered with loose rocks.  Set a malpais stone, 20x10x5ins15ins.in the ground.
	10000	for 4 sec.cor., marked 4 on N.face; and raise a mound of
		stone, 2ft. base, 1/2ft. high, N. of cor. Pits impraticable.
	77.00	wash, 35 lks. wide, course Sw. Over loose rocks.
	80.00	The cor. of secs.10,11,14 and 14.
		Land, mountainous and level.
		Soil, rocky; 3rd and 4th rate.
		No timber. Underbrush, greasewood, sage and cacti.
		Land covered with loose rocks and dense underbrush,
		and on account of the scarcity of water and other reason
		more fully explained at the end of these notes, exceptio-
		nally difficult to survey, 80.00 chs.
		Thence I run
		N 0°01'W. bet.secs.10 and 11. Over slightly rolling land covered with loose rocks
		thru dense underbrush.
	19.00	Wash, 15 1ks. wide, course Sw. Over loose rocks.
	40.00	set a malpais stone, 15x10x10ins, 10ins. in the ground,
		for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on w. face; and raise a mound of
		stone, 2ft. base, lift. hich, w. of cor. Pits impraticable.
	40.50	wash, 25 lks. wide, course Sw. Over loose rocks.
	51.70 63.00	Wash,75 lks.wide,course SW. Over loose rocks. Wash,15 lks.wide,course SW. Over loose rocks.
	65.25	Wash, 15 1ks. wide, course Sw. Over loose rocks.
	69.40	Wash, 20 1ks. wide, course Sw. Over loose rocks.
	72.70	Wash, 15 lks. wide, course SW. Over loose rocks.
	80.00	Set a malpais stone, 18x8x8ins., 12ins.in the ground.
		for cor. of secs.2,3,10 and 11, marked with 5 notches
		on S. and 2 notches on E. edge; dig pits, 18x18x12ins., in
		each sec. 5 ft. dist.; and raise a mound of earth, 4ft. base, 2ft. high, W. of cor.
		Land, rolling.
		Soil, rocky; 3rd rate.
		No timber.
		Underbrush, grease wood, sage and cacti.
		Rolling land covered with loose rocks and dense underbrush, and on account of the scarcity of water and
		other reasons more fully explained at the end of these
		notes, exceptionally difficult to survey, 80.00 chs.
		January 17,1910.
	-	
		January 18; At 8h 00m., a.m., l.m.t., I set off 20°342'
		S.on the decl.arc; 35°08½'N./on the lat.arc and determine a meridian with the solar at the cor. of secs.2,3,10 a
		and 11.
		Thence I run
		N 89°58'E. on random line bet.secs.2 and 11.
	40.00	set temp \( \frac{1}{2} \) sec.cor.
	79.88	Intersect the W. and S. line, 2 lks. S. of the cor. of
		secs.1,2,11 and 12.
		Thence I run
		S 89°57'w. on true line bet.secs.2 and 11. Slowly descending over loose rocks thru dense under-
		brush.
	20.00	Wash, 50 lks. wide, course WSW. Over loose rocks.
	29.50.	Enter Wash, course Sw.
	38.00	Leave wash, course Sw. Over loose rocks.
	39.94	Set a malpais stone, 18X10X8ins., 12ins.in the ground, for \(\frac{1}{2}\) sec.cor., marked \(\frac{1}{2}\) on N.face; and raise a mound of
		stone, 2ft. base, lt ft. high, N. of cor. Pits impraticable.
	71.60	Wash 15 lks. wide, course Sw. Over loose rocks.
	79.88	The cor. of secs.2,3,10 and 11.
		Land, rolling.
		Soil, rocky; 3rd rate.
	l i	·

Rolling land covered with loose rocks and dense underbrush, and on account of the searcity of water and other reasons more fully explained at the and of these notes, exceptionally difficult to survey, 80.00 chs. January 16,1910. January 17; At 8h 00m., a.m., l.m.t., I set off 20 462 s. on the decl.arc; 35°07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.14,15 22 and 23. Thence I run S 89 54'E. on random line bet. Secs. 14 and 23. set temp. 4 sec. cor. 40.00 Intersect the M. and S. line, 13 lks. S. of the cor. of 79.96 secs.13,14,23 and 24. Thence I run west on true line bet.secs.14 and 23. Over slightly rolling land covered with loose rocks thru dense underbrush. Set a malpais stone, 18x6x6ins., 12ins.in the ground, for 1 sec. cor., marked 1 on N. face; and raise a mound of stone, 2ft. base, 12ft. high, N. of cor. Pits impraticable. Wash, 35 lks. wide, course Sw. Over loose rocks. Wash, 20 lks. wide, course Sw. Over loose rocks. The cor. of secolid 18 22 and 27 39.98 47.20 58.30 The cor. of secs'14,15,22 and 23. 79.96 Land, slightly rolling. Soil.rocky; 3rd rate. No timber. Rolling land covered with loose rocks and dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 79.96 chs. Thence I run N 0°01'W. bet.secs.14 and 15. Over nearly level land thru exceptionally dense underbrush. wash, 15 lks. wide, course SW. 22.00 set a malpais stone, 18x6x6ins., 12ins.in the ground, for 40.00  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on w.face; dig pits, 18X18X12ins., N. and S. of stone, 3ft. dist.; and raise a mound of earth 31 ft. base, 12 ft. high, W. of cor. wash, 15 lks. wide, course Sw. Over loose rocks. 64.10 wash, 35 lks. wide, course Sw. Over loose rocks. 75.30 set a malpais stone, 20 X8 X8 ins., 15 ins. in the ground, 80.00 for cor. of secs. 10,11,14 and 15, marked with 4 notches on s.and 2 notches on E.edge; and raise a mound of stone 2ft.base, 12 ft.high, w. of cor. Pits impraticable. Land, nearly level. Soil, gravelly and rocky; 2nd and 3rd rate. No timber. Underbrush, greasewood, sage, and cacti. Land covered with loose rocks and exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs.
At this cor. I set off 20 462 5 on the decl. arc and observe the sun on the meridian at noon; the resulting lat.is 35°08'N.√ Thence I run East on random line bet.secs.11 and 14. Set temp. 1/4 sec. cor. Intersect the N. and S. line, 4 lks. S. of the cor. of secs. 40.00 80.00 11,12,13 and 14.

S 89°58'W. on true line bet.secs.11 and 14.

Thence I run

chains.

No timber.

Underbrush, greasewood, sage and cacti.

Rolling land covered with looserocks and dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 79.88 chs.

Thence I run

N 0°01 W. bet.secs.2 and 3.

Over nearly level land thru exceptionally dense under

40.00

Set a malpais stone, 24X12X6ins., 18ins.in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W.face; dig pits, 18X18X12ins. N.and S. of stone, 3ft. dist.; and raise a mound of earth 3 ft.base, 1 ft.high, w. of cor.

44.00 82.14

Leave dense underbrush, bears E. and W. Over grassy plain. Intersect the 5th Standard Parallel North 4.48 chs.W. of the standard \( \frac{1}{4} \) sec. cor. on S. bdy. of sec. 35, which ais a stone marked and witnessed as described by the Surveyor General. Set a malpais stone, 20 X12 X8 ins., 15 ins. in the ground, for closing cor. of secs. 2 and 3., marked CC on S., with 2 grooves on E., and 4 grooves on W. face; dig pits, 24x18x12ins., crosswise on each line, E. and W. sft. and S.of stone, 7ft. dist.; and raise a mound of earth,4ft.base,2ft.high,S. of cor.

Land, nearly level.

coil, gravelly; 2nd rate.

Mo timber.

Underbrush, greasewood, sage and cacti.

Land covered with exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 44.00 chs.
At this cor. I set off 20°34½'S. on the decl. arc and

observe the sun on the meridian at noon; the resulting lat.is 35°092'N./

From the cor. of secs. 3,4,33 & 34 on the S. bdy.

N 0°02'W. bet.secs.33 and 34.

Over level land covered with loose rocks thru dense underbrush.

7.00 Wash, 15 1ks. wide, course SW. Over loose rocks.

Wash, 15 lks. wide, course SW. Over loose rocks. Wash, 15 lks. wide, course SW. Over loose rocks.

Set a malpais stone, 20X14X8ins., 15ins, in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W.face; and raise a mound of 40.00

stone, 2ft. base, lift. high, w. of cor. Pits impraticable. Wash, 15 1ks. wide, course SW. Over loose rocks. 44.00

46.10 Same wash, course SE. Over loose rocks.

Same wash, 15 lks. wide, course SW. Over loose rocks. 49.55

Wash, 15 lks. wide, course Sw. Over loose rocks. Wash, 20 lks. wide, course Sw. Over loose rocks.

68.85

set a malpais stone, 20x10x8ins., 15ins.in the ground, for cor. of secs. 27,28,3% and 38, marked with 1 notch on s.and 3 notches on E.edge.; and raise a mound of stone 2ft.base, 12 ft.high, w. of cor. Pits impraticable.

Land, level.

Soil, rocky; 3rd rate.

Ho timber.

Underbrush, greasewood, sage and cacti.

Land covered with loose rocks and dense underbrush, and on account of the scarcity of mater and other reason more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs.

29.35 31.80

**63.**00

80.00

	1
chains	
	Thence I run
	S 89°52'E. on random line bet.secs.27 and 34.
	2 22 25. F. Ou random True bef. 2668. 34 and 34.
40.00	Set temp. 1 sec. cor.
79.98	The many A has M and G. Talue at the same of the same
79.90	Intersect the M. and S. line at the cor. of secs. 26,27,
	34 and 35.
	Thence I run
į	N 89° 52'W. on true line bet. secs. 27 and 34.
	Slowly descend over loose rocks thru dense under-
	storiy descend over roose rocks thru dense under-
	brush.
0.85	Wash, 20 1ks. wide, course SW. Over loose rocks.
	Wash no the atter out to the Uver tonse rocks.
5.55	Wash, 20 lks. wide, course SW. Over loose rocks.
17.75	Wash, 20 lks. wide, course SW. Over loose rocks.
	Week of the wild outlier of the Over 10080 10080.
20.85	Wash, 20 1ks. wide, course SW. Over 100se rocks.
28.40	Wash, 20 1ks. wide, course SW. Over loose rocks.
31.75	Work On the miles comme of the control
	Wash, 20 1ks. wide, course SW. Over loose rocks.
<b>39.</b> 99	Set a malpais stone, 18x8x6ins., 12ins.in the ground,
	PAR 1 and Ask worked 1 am N does die with town out out of
· .	for \frac{1}{4} sec. cor., marked \frac{1}{4} on N.face; dig pits, 18x18x12ins,
	E. and W. of stone, 3ft. dist.; and raise a mound of earth,
	3 ft.base, 1 ft.high, N. of cor.
	of reaching theurships of con-
79.98	The cor. of secs. 27, 28, 33 and 34.
	Land, rolling.
1	
	Soil, rocky; 3rd rate.
	No timber.
1.	Underbrush, greasewood, sage and cacti.
i	Rolling land covered with loose rocks and dense
	underbrush, and on account of the scarcity of water and
1	other reasons more fully explained at the end of these
	other reasons more rurry exprarmed at the end of these
	notes, exceptionally difficult to survey, 79.98 chs.
	January 18,1910.
	Samary 10,1310.
l	
,	
1	
	January 19; At 8h 00m., a.m., l.m. t., I set off 20°222;
	S. on the decl.arc; 35°052'N. on the lat.arc; and deter-
	of the decitate, 55 052 Meven the late atc, and detel-
	mine a meridian with the solar atothe cor. of secs. 27,
i	28.33 and 34.
į	
	Thence I run
	N 0°02'W. bet.secs.27 and 28.
1	Over slightly rolling land covered with exceptionally
	dense underbrush.
3.36	Power line, bears, ME. and SW.
3.50	Wash, 15 lks. wide, course SW.
0.00	The second Table 1 and the second 1
11.20	
1	I WOOD LINE LESS WITH STRING TO SWA
1 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Wash, 100 1ks, wide tours of Sw.
14.42	Road bears Wr. and Safe
14.42	Road, bears WE and She on the shid SW.
18.20	Road bears WE and Sy. Tolephone line to Kingman bears WE and SW.
18.20	Road bears WE and SW.  Road Bears WE and SW.  Road Goldroads to Kingman bears WE and SW.
18.20	Road, bears WE and SW. Telephone line to Kingman, bears WE and SW.
18.20 19.07 37.45	Road, bears WE and SW. Telephone like to Kingman, bears WE and SW. Road, coldroads to Kingman, bears WE and SW. Wash to Ike side course SW.
18.20	Set a maloa is a tone 20x16x61ns. 15ins. in the ground,
18.20 19.07 37.45	set a malpais stone 20x16x6ins. Isine in the ground, for 1 sec. cor. marked 4 on W.face; dig pits, 18x18x12ins.
18.20 19.07 37.45	set a malpais stone 20x16x6ins. Isine in the ground, for 1 sec. cor. marked 4 on W.face; dig pits, 18x18x12ins.
18.20 19.07 37.45	set a maipaia stone 20x15x6ins. The the ground, for 1 sec. cor., marked 4 on W.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft. dist., and raises mound of earth
18.20 19.07 37.45	Set a maipais stone 20x15x6ins. 15ins. in the ground, for 1 sec. cor., marked 4 on W.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft. dist., and raisea mound of earth 31 ft. base, 12 ft. high, W. of cor.
18.20 19.07 37.45 40.00	Set a maipais stone 20x15x6ins. 15ins. in the ground, for 1 sec. cor., marked 4 on W.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft. dist., and raisea mound of earth 31 ft. base, 12 ft. high, W. of cor.
18.20 19.07 37.45 40.00	set a malpais stone 20x15x6ins. Isine in the ground, for 1 sec.cor., marked 1 on W.face; dig pits, 18x18x12ins N. and S. of stone, 3ft. dist., and raisea mound of earth 31 ft. base, 11 ft. high, W. of cor. Wash, 10 1ks. wide, course SW.
18.20 19.07 37.45 40.00 49.00 68.40	set a malpais stone 20x16x6ins. Isine in the ground, for 1 sec.cor., marked 1 on W.face; dig pits, 18x18x12ins N. and S. of stone, 3ft. dist., and raisea mound of earth 31 ft. base, 12 ft. high, W. of cor. Wash, 10 lks. wide, course SW. Wash. 30 lks. wide. course W.
18.20 19.07 37.45 40.00 49.00 68.40	saf a malpais stone 20x15x6ins. Isins in the ground, for 1 sec.cor., marked 1 on W.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor. Wash, 10 lks. wide, course SW. Wash, 30 lks. wide, course W. Set a malpais stone. 20x6x6ins., 15ins.in the ground,
18.20 19.07 37.45 40.00	saf a malpais stone 20x15x6ins. Isins in the ground, for 1 sec.cor., marked 1 on W.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor. Wash, 10 lks. wide, course SW. Wash, 30 lks. wide, course W. Set a malpais stone. 20x6x6ins., 15ins.in the ground,
18.20 19.07 37.45 40.00 49.00 68.40	Set a maipais stone 20x15x6ins. Isins. In the ground, for 1 sec.cor., marked 1 on W.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins.in the ground, for cor. of secs. 21.22.27 and 28, marked with 2 notches
18.20 19.07 37.45 40.00 49.00 68.40	set a maipais stone 20x15x6ins. Isins. in the ground, for 1 sec.cor., marked 4 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in
18.20 19.07 37.45 40.00 49.00 68.40	set a maipais stone 20x15x6ins. Isins. in the ground, for 1 sec.cor., marked 4 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in
18.20 19.07 37.45 40.00 49.00 68.40	set a maipaia stone 20x15x6ins. Isins. in the ground, for 1 sec. cor., marked 4 on W.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft. dist., and raisea mound of earth 31 ft. base, 12 ft. high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 52 ft. dist.; and raise a mound of earth, 4ft.
18.20 19.07 37.45 40.00 49.00 68.40	set a maipais stone 20x15x6ins. Isins. in the ground, for 1 sec.cor., marked 4 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in
18.20 19.07 37.45 40.00 49.00 68.40	Set a malpais stone 20x15x6ins. Isins. in the ground, for 1 sec.cor., marked 1 on W.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins.in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 51 ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.
18.20 19.07 37.45 40.00 49.00 68.40	Set a malpais stone 20x15x6ins. Isins. in the ground, for 1 sec.cor., marked 1 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 51 ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.  Land, rolling.
18.20 19.07 37.45 40.00 49.00 68.40	Set a maipais stone 20x15x6ins. Isins. in the ground, for 1 sec.cor., marked 4 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 3½ ft.base, ½ ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 5½ ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.
18.20 19.07 37.45 40.00 49.00 68.40	Set a malpais stone 20x15x6ins. Isins. in the ground, for 1 sec.cor., marked 1 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 51 ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.  Land, rolling.
18.20 19.07 37.45 40.00 49.00 68.40	set a maipais stone 20x15x6ins. Isins. in the ground, for 1 sec.cor., marked 4 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 3½ ft.base, ½ ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 5½ ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.
18.20 19.07 37.45 40.00 49.00 68.40	Set a maipain stone 20x16x6ins. 15ins.in the ground, for 1 sec.cor., marked 4 on w.face; dig pits, 18x18x12ins N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, w. of cor. Wash, 10 lks. wide, course Sw. Wash, 30 lks. wide, course W. Set a malpais stone, 20x6x6ins., 15ins.in the ground, for cor. of secs.21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 51 ft. dist.; and raise a mound of earth, 4ft. base, 2ft.high, w. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.
18.20 19.07 37.45 40.00 49.00 68.40	Set a maipain stone 20x16x6ins. Isins. in the ground, for 1 sec.cor., marked 2 on w.face; dig pits, lax18x12ins., N.and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., l5ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, l8x18x12ins., in each sec. 51 ft. dist.; and raise a mound of earth, 4ft. base, 2ft. high, W. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Rolling land covered with exceptionally dense under-
18.20 19.07 37.45 40.00 49.00 68.40	Set a maipain stone 20x16x6ins. Isins. in the ground, for 1 sec.cor., marked 2 on w.face; dig pits, lax18x12ins., N.and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., l5ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, l8x18x12ins., in each sec. 51 ft. dist.; and raise a mound of earth, 4ft. base, 2ft. high, W. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Rolling land covered with exceptionally dense under-
18.20 19.07 37.45 40.00 49.00 68.40	Set a maipala stone, 20x16x6ins., 15ins.in the ground, for f sec.cor., marked f on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 3ft.base, 1ft.high, w. of cor.  Wash, 10 lks. wide, course Sw.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins.in the ground, for cor. of secs.21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec.5ft.dist.; and raise a mound of earth, 4ft.  base, 2ft.high, w. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Rolling land covered with exceptionally dense underbrush, and on account of the scarcity of water and other
18.20 19.07 37.45 40.00 49.00 68.40	Set a maipaia stone 20x16x6ins. Isime.in the ground, for 1 sec.cor., marked 1 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 52 ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Rolling land covered with exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes,
18.20 19.07 37.45 40.00 49.00 68.40	Set a maipaia stone 20x16x6ins. Isime.in the ground, for 1 sec.cor., marked 1 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 52 ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Rolling land covered with exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes,
18.20 19.07 37.45 40.00 49.00 68.40	Set a maipala stone 20x16x6ins. 15ins. in the ground, for f sec.cor., marked f on w.face; dig pits, 18x18x12ins. N. and S. of stone, 3ft. dist., and raisea mound of earth 3ft.base, 1ft.high, w. of cor.  Wash, 10 lks. wide, course Sw.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20X6X6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 5ft. dist.; and raise a mound of earth, 4ft. base, 2ft.high, w. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Rolling land covered with exceptionally dense underbrush, and on account of the scarcity of water and other
18.20 19.07 37.45 40.00 49.00 68.40	Set a maipaia stone 20x16x6ins. Isime.in the ground, for 1 sec.cor., marked 1 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 52 ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Rolling land covered with exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes,
18.20 19.07 37.45 40.00 49.00 68.40	Set a maipaia stone 20x16x6ins. 15ims. in the ground, for 1 sec. cor., marked 1 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft. dist., and raisea mound of earth 31 ft. base, 12 ft. high, W. of cor.  Wash, 10 lks. wide, course SW.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 not ches on S. and 3 not ches on E. edge; dig pits, 18x18x12ins., in each sec. 52 ft. dist.; and raise a mound of earth, 4ft. base, 2ft. high, W. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Rolling land covered with exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes,
18.20 19.07 37.45 40.00 49.00 68.40	Set a malpais stone 20x18x6ins. Isins.in the ground, for 1 sec.cor., market 1 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 1 ft.base, 1 ft.high, w. of cor.  Wash, 10 lks. wide, course Sw.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins.in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 5 ft. dist.; and raise a mound of earth, 4ft.  base, 2ft. high, w. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Rolling land covered with exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs.
18.20 19.07 37.45 40.00 49.00 68.40	Set a malpais stone 20x15x6ins. Isims. in the ground, for 1 sec.cor., market 4 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course Sw.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs.21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 52 ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Rolling land covered with exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs.
18.20 19.07 37.45 40.00 49.00 68.40	Set a malpais stone 20x15x6ins. Isims. in the ground, for 1 sec.cor., market 4 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course Sw.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs.21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 52 ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Rolling land covered with exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs.
18.20 19.07 37.45 40.00 49.00 68.40 80.00	Set a maipale stone 20x15x6ins. 15ins. in the ground, for 1 sec. of . marked 2 on w.face; dig pits, 18x18x12ins. N. and S. of stone, 3ft. dist., and raisea mound of earth 3f ft. base, 1ft. high, w. of cor.  Wash, 10 lks. wide, course Sw.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 5ft. dist.; and raise a mound of earth, 4ft. base, 2ft. high, w. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Rolling land covered with exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs.  Thence I run  ling  S 89°52'E. on random, bet. secs. 22 and 27.
18.20 19.07 37.45 40.00 49.00 68.40	Set a malpais stone 20x15x6ins. 15ins. in the ground, for 1 sec.cor., market 4 on w.face; dig pits, 18x18x12ins., N. and S. of stone, 3ft.dist., and raisea mound of earth 31 ft.base, 12 ft.high, W. of cor.  Wash, 10 lks. wide, course Sw.  Wash, 30 lks. wide, course W.  Set a malpais stone, 20x6x6ins., 15ins. in the ground, for cor. of secs.21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edge; dig pits, 18x18x12ins., in each sec. 52 ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.  Land, rolling.  Soll, gravelly and rocky; 3rd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Rolling land covered with exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs.

	Subdivision of Tp.20 N., Rg. 18 West.
chains	
79.92	Intersect the N. and S. line at the cor. of secs. 22,23,
	26 and 27.
	Thence I run
	N 89°52'W. on true line bet.secs.22 and 27.
	Slowly descending over loose rocks thru dense under-
	brush.
1.50	
12.40	
25.90	
35.90	
39.96	
33.70	for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 18x18x12ins.,
	E. and W. of stone, 3ft. dist.; and raise a mound of earth,
į	3½ ft.base, 1½ ft.high, N. of cor.
79.92	
15.77	Land, rolling.
	Soil, rocky; 3rd rate.
	No timber.
	Underbrush, grease wood, sage and cacti.
	Rolling land covered with loose rocks and dense under
	brush and on account of the scarcity of water and other
	reasons more fully explained at the end of these notes
	exceptionally fifficult to survey, 79.92 chs.
	At this cor. I set off 20 22 5 S. on the decl. arc and
	observe the sun on the meridian at noon; the resulting,
ĺ	lat. is 35 06 N.
	740.79 22 00.4.
	Thence I run
j ·	N 0°02'W. bet.secs.21 and 22.
	Over rolling land covered with dense underbrush.
21.80	
36.55	
40.00	
10.00	1 sec.cor., marked 1 on W.face; dig pits, 18x18x12ins.,
	N. and S. of stone, 3ft. dist.; and raise a mound of earth,
	3 ft. base, l ft. high, w. of cor.
44.40	
80.00	
	for cor. of secs. 15, 16, 21 and 22, marked 20 N on NE., and
	18 W., on SE. face, with 3 notches on S. and E. edges; and
	raise a mound of stone, 2ft. base, 1 ft, high, w. of cor.
	Pits impraticable.
!	Land, rolling.
	Soil, rocky and gravelly; 2nd and 3rd rate.
	No timber.
	Underbrush, greasewood, sage and cacti.
	Rolling land covered with dense underbrush, and on
	account of the scarcity of water and other reasons more
	fully explained at the end of these notes, exceptionally
	difficult to survey, 80.00 chs.
	dillinging to but to your or
	Thence I run
į	S 89°52'E. on random line bet, secs. 15 and 22.
40.00	
79.86	Intersect the N. and S. line, 11 lks. S. of the cor. of
	secs.14,15,22 and 23.
1	Thence I run
	N 89°57'W. on true line bet.secs.15 and 22.
	Slowlydescending over loose rocks thru dense under-
	brush.
20.50	Wash, 20 lks. wide, course SW. Over loose rocks.
39.93	Set a malpais stone, 15x10x8ins., 10ins.in the ground,
	for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; and raise a mound of
	stone, 2ft. base, 1 ft. high, N. of cor. Pits impraticable.
49.50	Wash, 20 1ks. wide, course SW. Over loose rocks.
57.60	Wash, 20 lks. wide, course SW. Over loose rocks.
į	

chains. 79.86

The cor. of secs.15,16,21 and 22. Land, slightly rolling.

Soil, rocky; 3rd rate.

No timber.

Underbrush, greasewood, sage and cacti.

Land covered with loose rocks and dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 79.86 chs.

Jamuary 19,1910.

January 20; At 8h 00m., a.m., l.m.t., I set off 20° 092's on the decl.arc; 35° 07'N./on the lat.arc, and determine a meridian with the solar at the cor. of secs. 15,16, 21 and 22.

Thence I run

N 0 02 w. bet.secs.15 and 16.

Over level land covered with loose rooks thru exceptionally dense underbrush. Wash, 20 lks. wide, course SW. Over loose rocks.

7.00

wash, 20 lks. wide, course SW. Over loose rocks. 14.00 40.00

Set a makpais stone, 18x8x8ins., 12ins.in the ground, for \( \frac{1}{2} \) sec.cor., marked \( \frac{1}{2} \) on \( \text{W.face;} \) and raise a mound of stone, 2ft.base, 1\( \frac{1}{2} \) ft.high, \( \text{W. of cor. Pits impraticabl.} \)

47.00

Wash, 25 lks. wide, course SW. Over loose rocks. Wash, 25 1ks. wide, course SW. Over loose rocks.

66.75 80.00

Set a malpais stone, 24X14X8ins., 18ins.in the ground, for cor. of secs.9,10,15 and 16, marked with 4 notches on) s.and 3 notches on E. edge; and raise a mound of stone, 2ft.base, 12 ft.high, W. of cor. Pits impraticable.

Land, level.

Soil, rocky; 3rd rate.

No timber.

Underbrush, greasewood, sage and cacti.

Land covered with loose rocks and exceptionally dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs.

Thence I run

S 89° 57'E. on random line bet. secs. 10 and 15.

40.00 79.92

set temp. 4 sec. cor. Intersect the N. and S. line 14 lks. S. of the cor. of secs.10,11,14 and 15.

Thence I run

g 89°57'w. on true line bet.secs.10 and 15.

Slowly descending over loose rocks thru dense under-

29.65 39.96

Wash, 20 1ks. wide, course Sw. Over loose rocks.

Set a malpais stone, 24x12x6ins., 18ins.in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone, 2ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Pits impraticable. The cor. of secs. 9,10,15 and 16.

79.92

Land, nearby level.

Soil, rocky; 3rd rate.

No timber.

Underbrush, greasewood, sage and cacti.

Land covered with loose rocks and dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes,

exceptionally difficult to survey, 79,92 chs.
At this cor. I set off 20 0915. on the decl. arc and observe the sun on the meridian at noon; the resulting

lat.is 35 08'N/

Thence I run

N 0°02'W. bet.secs. 9 and 10.

Over rolling land covered with loose rocks thru dense

	DROGENEDIC OF Themo Hearts wood.	
chains.		-
onathb.	and only made	
0.00	underbrush.	
8.80	Wash, 20 lks. wide, course SW. Over loose rocks.	
12.50	Wash, 30 lks. wide, course SW. Over loose rocks.	
20.35	Wash, 100 lks. wide, course SW. Over loose rocks.	
35.05	Wash, 20 1ks. wide, course SW. Over loose rocks.	
39.70	Wash, 10 1ks. wide, course SW. Ower loose rocks.	
40.00	Set a malpais stone, 18x8x6ins., 12ins.in the ground, for	
2	‡ sec.cor.,marked ‡ on W.face; dig pits,18x18x12ins.,	
	N.and S. of stone, 3ft.dast.; and raise a mound of earth,	
	31ft.base,11 ft.high, W. of cor.	
58.00	Wash, 15 1ks. wide, course SW. Over loose rocks.	
80.00	Set a malpais stone, 18X8X8ins., 12ins.in the ground, for	
	cor. of secs. 3, 4, 9, 10, marked with 5 notates on S., and	
	3 notches on E.edges; dig pits, 18X18X12ins., in each sec	
	5½ft.dist.; and raise a mound of earth, 4ft.base, 2ft.high	
	W. of cor.	
	Land, rolling.	
;		
	Soil, rocky; 3rd rate.	
	No timber.	
1	Underbrush, grease wood, sage and cacti.	
	Rolling land covered with loose rocks and dense und-	
	erbrush, and on account of the scarcity of water and	
	other reasons more fully explained at the end of these	
	notes, exceptionally difficult to survey, 80.00 chs.	
	design is the companies of the plant of the companies of	
	Thence I run	
	W 89°57'E. or random line bet. secs. 3 and 10.	
40.00	Set temp. 1 sec. cor.	
79.94	Intersect the N. and S. line 2 lks. N. of the cor. of	
	secs.2,3,10 and 11.	
	Thence I run	
	S 89°58'W. oh true line bet.secs.3 and 10.	
	Over level land thru exceptionally dense underbrush,	
39.97	Set a malpais stone, 18%8% sins 12ins. in the ground,	
00.0	for ½ sec.cor., marked ½ on N.face; dig pits, 18X18X12ins.,	
	E.and W. of store, 3ft. dist.; and raise a mound of earth,	
	3½ ft.base.1½ ft.high.N. of cor.	
79.94	The cor. of secs. 3.4.9 and 10.	
	Land, level.	
	Soil, gravelly; 2nd rate.	
1	No timber.	
	Underbrush, greasewood, sage and cacti.	
	Land covered with exceptionally dense underbrush,	
	and on account of the scarcity of water and other reason	
	more fully explained at the end of these notes, excepti-	
	onally difficult to survey, 79,94 chs.	
1	January 20,1910.	
	oundary softeet	
	C. January 21; At; 8h 00m, ja.m., limetigI set off 19°562'	
	s.on the decl.arc; 35.08 in. on the lat.arc and deter-	
	mine a meridian with the solar at the cor. of secs.	
	3,4,9 and 10.	
	Thence I run	
	N 0°02'W. bet.secs.3 and 4.	
	Over level land thru dense underbrush,	
10.00	Leave dense underbrush, bears E. and W.	
40.00	set a malpais stone, 18x8x6ins., 12ins.in the ground,	
	for \( \frac{1}{4} \) sec.cor., marked \( \frac{1}{4} \) on \( \text{w.face}; \) dig pits, 18X18X12ins.	
	w.and s. of stone, 3ft. dist.; and raise a mound of earth	
• 1	3\ft.base,1\ft.high,w. of cor.	
45.00	Enter dense underbrush, bears E. and W.	
81.50	Set a malpais stone, 20x8x8ins., 15ins, in the ground,	
	for witness cor. to elosing cor. of secs. 3 and 4, marked	
	WC CC on S. with 3 grooves or E.and W.faces; dig pits,	
	24x18x12ins., E. and W. of tandes. of stone, 7ft. dist.,	
	and raise a mound of earth, 4ft. base, 2ft. high, S. of cor.	
81.97	Intersect the 5th Standard Parallel N., 4.25 chs. W. of	
01.0/	standard 2 sec. cor. or S. bdy. of sec. 34. point for cor.	
	Polla in month An I've wide norman all ( which is a stone marked & witnessed)	
	falls in wash, 40 lks. wide, course Sw. (Which is a stone marked & witnessed) as described by the Sur. Gent.	
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	The state of the s	

Subdivision of Th. 20 M. Rg. 18 West

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chains.
             Land, level.
             soil, gravelly; 2nd. rate.
             No timber.
             Underbrush, greasewood, sage and cacti.
             Land covered with dense underbrush, and on account
         of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally
         difficult to survey, 46.97 chs.
             From the cor. of secs. 4,5,32 & 33 on the S. bdy.
             N 0°02'W. bet.secs.32 and 33.
             Over nearly level land thru exceptionally dense und-
         erbrush.
         Wash, 15 lks. wide, course SW.
19.00
21.75
          Wash, 15 1ks. wide, course SW.
22.90
          Power line bears NE.and SW.
          Telephone line, bears NE. and SW. Road, bears NE. and SW.
28.75
29.12
40.00
             Set a malpais stone, 15x12x6ins., 10ins.in the ground,
          for \frac{1}{4} sec.cor., marked \frac{1}{4} on W.face; dig pits, 18X18X12ins.,
         N. and S. of stone, 3ft. dist.; and raise a mound of earth
          3/2ft.base,1/2 ft.high, W. of cor.
          Wash, 15 lks. wide, course SW.
52.00.
          wash, 15 lks. wide, course SW.
57.00
68.00
          Wash, 15 lks. wide, course SW.
71.50
          Wash, 15 lks. wide, course SW.
             set a malpais stone, 24x12x12ins., 18ins. in the ground,
80.00
          for cor. of secs. 28,29,32 and 33, marked with 1 notch on
          S. and 4 notches on E. edge; dig pits, 18 \times 18 \times 12 \times 18 in each sec. 5\frac{1}{2} ft. dist.; and raise a mound of earth, 4ft. base,
          2ft.high, w. of cor.
             Land, nearly level.
             Soil, gravelly; 3rd rate.
             No timber.
             Underbrush, greasewood, sage and cacti.
          Land commend with deceptionally dense underbrush, and on account of the scarcity of water and other
          reasons more fully explained at the edn of these notes,
          exceptionally difficult to survey, 80.00 chs.
          At this cor. I set off 19°56 18. on the decl. arc and observe the sun on the meridian at noon; the resulting
          lat.is 35^{\circ}05\frac{1}{2}; N. \sqrt{\phantom{0}}
              Thence I run
              S 89°52'E. on random line bet.secs.28 and 33.
40.00
          Set temp. \frac{1}{4} sec. cor.
          Intersect the N. and S. line, 7 lks. S. of the cor. of secs
79.99
          27.28.33 and 34.
              Thence I run
             N 89°55'W. on true line bet.secs.28 and 33.
              Over nearly level land thru exceptionally dense
          underbrush.
          Power line to Kingman, bears NE. and SW.
 4.45
20.97
          Telephone line to Kingman , bears NE. and SW.
          Road, Kingman to Goldroads, bears NE. and SW.
21.40
          set a malpais stone, 18x12x6ins., 12ins.in the ground,
39.99<del>|</del>
          for \frac{1}{4} sec. cor., marked \frac{1}{4} on N. face; dig pits, 18X18X12ins.
          E. and w. of stone, 3ft. dist.; and raise a mound of earth 32 ft. base, 12 ft. high, w. of cor. wash, 20 lks. wide, course Sw.
59.80
          wash, 20 lks. wide, course SW.
77.05
79.99
          The cor. of secs. 28,29,32 and 33.
             Land, nearby level.
              Soil, gravelly; 2nd rate.
              No timber.
              Underbrush, graesemood, sage and cacti.
              Land covered with exceptio ally dense underbrush,
          and on account of the scarcity of water and other reason
          more fully explained at the end of these notes, excepti-
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	Subdivision of Tr. 20 N., Rg. 18 West	
chains.		
-	onally difficult to survey,79.99 chs.	
	The state of the s	
	Thence I run	
•	M 0°02'w. bet.secs.28 and 29.	
	Over nearly level land thru exceptionally dense und-	
	erbrush.	
14.20	Wash, 15 lks. wde, course Sw.	
33.75	wash,15 lks.wide,course Sw.	
40.00	· Set a malpais stone, 1878 Yeins., 12ins.in the ground,	
	for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; digpits, 18x18x12ins.,	
	N.and S. of stone, 3ft. dist.; and raise a mound of earth 3t ft. base, 1t ft. high, w. of cor.	
71.55	Over loose rocks.	
80.00	Set a malpais stone, 20x10x10ins., 15ins.in the ground,	
	for cor. of secs.20,21,28 and 29, marked tith 2 notches	
	on S.and 4 notches, on E.edge; and raise a mound of	
1	stone, 2ft.base, 1 ft.high, W. of cor. Pits impraticable.	
	Land, nearly level. Soil, gravelly and rocky; 3rd rate.	
	No timber.	
	Underbrush, greasewood, sage and cacti.	
3	Land covered with loose rocks or exceptionally dense	
	underbrush, and on account of the scarcity of water and	
	other reasons more fully explained at the end of these	
	notes, exceptionally difficult to sur ey, 80.00 chs.  January 21,1910.	
	valuary 21,1510.	
	And the second of the second o	
	Jamuary 22; At 8h 00m., a.m., l.m. t., I set off 19° 43 2 1	
	S. on the decl.arc; 35°06'N. on the lat.arc; and deter-	
	mine a meridian with the solar at the cor. of secs.20	
	21,28 and 29. Thence I run	
	S 89°55'E. on random line bet.secs.21 and 28.	
40.00	Set temp. 1 sec. cor.	
80.08	Intersect the M. and S. line, 91ks. N. of the cor. of secs.	
	21,22,27 and 28.	
	Thence I run	
	N 89°51'W. on true line bet.secs.21 and 28.	
40.04	Descending over loose rocks thru dense underbrush. Set a malpais 15x10x6ins., 10ins.in the ground, for	
40.04	$\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raise a mound of	
	stone, 2ft. base, 1/2 ft. high, N. of cor. Pits impraticable.	
54.50	Bend in wash, comes from ME, course NW. Over loose rocks.	
59.35	Same wash, 30 lks. wide, course Sw. Over loose rocks.	
70.50	Wash, 10 lks. wide, course Sw. Over loose rocks.	
80.08	The cor. of secs.20,21,28 and 29. Land.rolling.	
	Soil, rocky; 3rd rate.	
	No timber.	
	Underbrush, greasewood, sage and cacti.	
	Rolling land covered with loose rocks and dense	
	underbrush, and on account of the scarcity of water and	
	other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.08 chs.	
	motor pondop shortcarry care round to but voy 900 00 cits.	
	Control of the Contro	
-	Thence I run	
	N 0°02'W. bet.secs.20 and 21.	
1	Over nearly level land covered with loose rocks thru dense underbrush.	
16.70	Wash, 15 lks. wide, course SW. Over loose rocks.	
40.00	Set a malpais stone, 15x10x8ins., 10ins.in the ground,	
	for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18X18X12ins.	
	N. and S. of stone, Eft. dist.; and raise a mound of earth	
	32 ft. pase, la high, w. of cor.	
48 ' 60	wash, 35 lks. wide, course Sw. Over loose rocks.	
40 . O/	Manifold Time articlement of the date Today rooms	

•	BOOK
	cubdivicion of To 20 N . Re 18 West
chains.	
80.60	set a malpais stone, 28X6X6ins., 2lins.in the ground, for cor. of secs. 16, 17, 20 and 2l, marked with 3 notches on S. and 4 notches on E. edge; dig pits, 18X18X12ins., in each sec. 5 ft. dist.; and raise a mound of earth,
	4ft.base,2ft.high,w. of cor. Land,nearly level. Soil,rocky; 3rd rate.
	No timber. Underbrush, greasewood, sage and cacti.
	Land covered with loose rocks and dense underbrush, and on account of the scarcity of wtaer and other reason more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs.  At this cor. I set off 19 43'S. on the decl. arc and
	observe the sun on the meridian at noon; the resulting lat.is 35 07'N.
40.00	Thence I run S 89°51'E. on random line bet.secs.16 and 21. Set temp. 2 sec.cor.
80.08	Intersect the N.and S. line, 91ks.S. of the cor. of secs.15,16,21 and 22.  Thence I run
	N 89°55'W.on true line bet.secs.16 and 21. Slowly descending over loose rocks thru dense under- brush.
14.95	Wash.15 1ks.wide.course SW. Over looserocks.
23.90	wash.15 1ks.wide.course Sw. Over loose rocks.
40.04	set a malpais stone, 18x10x5ins., 12ins.in the ground, for 1/4 sec. cor., marked 1/2 on N.face; and raise a mound of stone 2ft.base, 1/2 ft.high, N. of cor. Pits impraticable.
80.08	The cor. of secs.16,17,20 and 21.  Land, rolling.
	Soil, rocky; 3rd rate. No timber.
	Underbrush, greasewood, sage and cacti. Rolling land comered with loose rocks and dense underbrush, and on account of the scarcity of water and ot other reasons more fully explained at the end of these
	notes, exceptionally difficult to survey, 80.08 chs.
	Thence I run N 0°02'W.bet, secs, 16 and 17.
	Over nearly level land covered with loose rocks thru dense underbrush.
28.51	Wash, 15 1ks. wide, course SW. Over loose rocks.
32.30	Wash, 15 1ks. wide, course SW. Over loose rocks. Wash, 15 1ks. wide, course SW. Over loose rocks.
40.00	Set a malpais stone, 15x12x6ins., 10ins.in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W.face; and raise a mound of
52.40 60.90	stone, 2ft. base, 1/2ft. high, W. of cor. Pits impraticable. Wash, 20 lks. wide, course SW. Over loose rocks. Wash, 20 lks. wide, course SW. Over loose rocks.
63.00	
80.00	Set a malpais stone, 18X6X6ins., 12ins.in the ground, for cor. of secs.8,9,16 and 17, marked with 4 notches on s.and E.edges: dig pits, 18X18X12ins., in each sec., 5 ft.
	dist., and raise a mound of earth, 4ft. base, 2ft. high, W. of cor. Land, rolling.
	Soil, rocky; 3rd rate. No timber. Underbrush, greasewood, catclaw and cacti.
	Rolling land covered with loose rocks and dense underbrush and on account of the scarcity of water and
	other reasons more fully explained at the end of these notesmexceptionally difficult to survey, 80.00 chs.  January 22,1910.

	Subdivision of Tp.20 N., Rg.18 West.
chains.	ρ .
	January 23; At 8h 00m. a.m., l.m. t., I set off 19 292!
	S. on the decl.arc; 35°08 N. on the lat.arc and deter-
	mine a meridian with the solar at the cor. of secs.
	8,9,16 and 17.
	Thence I run
	S 89°55'E. on random line bet.secs.9 and 16.
40.00	Set a temp. 1 sec. cor.
80.10	Intersect the N. and S. line, at the cor. of secs. 9,10,
	15 and 16.
	Thence I run
	N 89°55'W. on true line bet. secs. 9 and 16.
	Slowly descend thru dense underbrush.
16.20	Wash, 25 lks.wide, course SW.
19.10	Wash, 35 lks. wide, course Sw.
20.40	Wash, 35 lks. wide, course SW.
24.25	Wash, 35 lks. wide, course SW.
37.80	Wash.10 1ks.wide, course SW.
40.05	Set a malpais stone, 18x6x6ins., 12ins. in the ground,
	for \frac{1}{4} sec.cor., marked \frac{1}{4} on N. face; dig pits, 18x18x12ins.
	E.and W.of stone, 3ft. dist.; and raise a mound of earth,
	3½ ft.base,1½ ft.high, N. of cor.
80.10	The cor. of secs.8,9,16 and 17.
	Land, rolling.
	Soil, gravelly; 2nd rate.
	No timber.
	Underbrush, greasewood, sage and cacti.
	Rolling land covered with dense underbrush, and
	on account of the scarcity of water and other reasons
	more fully explained at the end of these notes, except-
	ionally difficult to survey, 80.10 chs.
	•
	Thence I run
	N 0°02'W. bet.secs.9 and 8.
	Over slightly rolling land thru dense underbrush.
40.00	Set a malpais stone, 15X8X8ins., 10ins.in the ground,
	for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on w.face; dig pits, 18 x18 x12 ins.,
	N. and S. of stone, 3ft. dist.; and raise a mound of earth
	3½ ft.base, 1½ ft.high, w. of cor.
80.00	set a malpais stone, 20 x10 x8 ins., 15 ins. in the ground,
	for cor. of secs. 4,5,8 and 9, marked with 5 notches on
	S. and 4 notches on E. edge; dig pits, 18X18X12ins., in
	each sec, 5½ ft.dist.; and raise a mound of earth, 4ft.
	base, 2ft. high, w. of cor.
	Land, slightly rolling.
	Soil, gravelly; 2nd rate.
	No timber.
	Underbrush, greasewood, sage and cacti.
	Land covered with dense underbrush, and on account of
	the scarcity of water and other reasons more fully
	explained at the edn of these notes, exceptionally
	difficult to survey, 80.00 chs.
	At this cor. I set off 19°29'S. on the decl.arc and
	observe the sun on the meridian at noon; the resulting,
	lat.is 35°08½'N./
	Thence I run
	S 89°55'E. on random line bet.secs.4 and 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect the N.and S. line 5 lks.S. of the cor. of secs
00.20	3,4,9 and 10.
	Thence I run
	N 89°57'W. on true line bet.secs.4 and 9
	Over rolling land thru dense underbrush.
40.05	Set a malpais stone, 15x8x6ins., 10ins.in the ground,
	for \(\frac{1}{4}\) sec. cor., marked \(\frac{1}{4}\) on N.face; and dig pits, 18x18x12
	ins., E. and W. of stone, 3ft. dist.; and raise a mound of
	earth, 3½ ft. base, 1½ ft. high, N. of cor.
1	our annot a se see see a se tractiture of core

20

HALLIS The cor. of secs. 4,5,8 and 9. 80.10 Land, rolling. soil, gravelly; 3rd rate. No timber. Underbrush, greasewood, sage and cacti. Rolling land covered with dense underbrush, and on a account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.10 chs. Thence I run N 0°02'W. bet.secs.4 and 5. Over level land thru dense underbrush. wash, 60 lks. wide, course Sw. 13.70 Leave dense underbrush, bears E. and W. 30.00 set a malpais stone, 15x8x6ins..loins.in the ground, for 40.00 1 sec.cor., marked with 1 on W.face; dig pits, 18x18x12ins \*\*sec.cor., marked with \$\pm\$ on W.race; dig plts, 18X18X121ns N.and S. of stone, 3ft.dist.; and raise a mound of earth, 3\frac{1}{2} ft.base, 1\frac{1}{2} ft.high, W. of cor.

Intersect the 5th standard Parallel N., 4, 37 chs. W. of the standard \$\frac{1}{2} \text{ sec.cor., on S.bdy. of sec. 33, which is a stone, marked and witnessed as described by the Sur-81.55 veyor General. Set a malpais stone, 15x8x8ins., 10ins., in the ground, for closing cor. of secs. 4 and 5. marked CC on S. with 4 grooves on E., and 2 grooves on W.face; dig pits, 24x18x12ins., crosswise on each line, E. and W. 3ft., and S. of stone, 7ft. dist.; and raise a mound of earth, 4ft.base, 2ft.high, S. of cor. Land, level. Soil, gravelly; 2nd rate. No timber. Underbrush, greasewood, sage and cacti. Land covered with dense underbrush and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 30.00 chs. January 23,1910. Jamuary 24; At 8h 00m., a.m., 1.m.t., I set off 19°15½' s. on the decl. arc; 35°04½'N. on the lat. arc and determine a meridian with the solar at the cor. of secs. 5,6, 31 and 32.on the south bdy. Thence I run N 0°03'W. bet.secs.31 and 32. Over level land thru dense underbrush. Set a malpais stone, 18x10x8ins., 12ins. in the ground for ½ sec. cor., marked ½ on W.face; dig pits, 18x18x12ins. W. and S. of stone, 3ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor. 40.00 Wash, 10 1ks. wide, course SE. 73.00 Set a malpais stone, 18X10X8ins., 12ins.in the ground, 80.00 for cor. of secs. 29,30,31 and 32, marked with 1 notch on S. and 5 notches on E, edge; dig pits, 18x18x12ins., in each sec. 5ift.dist.; and raise a mound of earth, 4ft. base.2ft.high.W. of cor. Land, level. Soil, gravelly; 2nd rate. No timber. Underbrush, greasewood, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully exp-lained at the end of these notes, exceptionally difficult to survey,80.00 chs. Thence I run S 89°52'E. on random line bet.secs.29 and 32. set a temp. } set cor. **40.**00 Intersect the N. and S. line 7 lks.S. of the cor. of 80.04

secs 28.29,32 and 33.

Subdivision of Tp.20 N., Rg. 18 West. chains Thence I run N 89°55'W. on true line bet.secs.29 and 33. Slowly descend thru dense underbrush. 16.37 Wash, 15 lks. wide, course, SW. 24.00 Across Sacramento wash, course S. 36.00 Leave wash, course S. 40.02 Set a malpais stone, 15X10X6ins., 10ins.in the ground for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; dig pits, 18 X18 X12 ins. E.and W. of stone, 3ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high, N. of cor. The cor. of secs.29,30,31 and 32. 80.04 Land, rolling. Soil, rocky; 3rd rate. No timber. Underbrush, greasewood, sage and cacti. Rolling land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptioanlly difficult to survey, 80.04 chs.

At this cor. I set off 19°15's. on the decl. arc and observe the sun on the meridian at noon; the resulting lat.is 35°05 N. Thence I run N 89°52'W. on random line bet.secs.30 and 31. Set temp. 1 sec.cor.

Intersect the 5th Guide meridian 11 lks. S. of the cor.

of secs. 25,30,31 and 36. marked and witnessed as desc.

Thence I run

by the Surveyor General. 40.00 79.40 S 89°47'E. on true line bet.secs.30 and 31. Over level land thru dense underbrush. Wash, 20 lks. wide, course SE. 22.65 Wash, 20 lks. wide, course SE. 25.85 Set a ralpais stone,24 6X6ins.,18ins.in the ground, 39.40 for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N.face; dig pits, 18X18X12ins. E. and W. of stone, 3ft. dist.; and raise a mound of earth, 3½ ft.base, l½ ft.high, N. of cor. Wash, 20 lks. wide, course SE. 45.50 Wash, 20 lks. wide, course SE. 62.45 65.10 wash, 20 lks. wide, course SE. Wash, 10 lks. wide, course SE. **72.70** The cor. of secs. 29,30,31 and 32. 79.40 Land, level. Soil, gravelly; 3rd rate. No timber. Underbrush, greasewood, sage and cacti. Land covered with Mense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 79.40 chs. Thence I run N 0°03'W. bet.secs. 29 and 30. Over level land thru dense underbrush. Set a malpais stone, 24x12x10ins., 18ins.in the ground, for \( \frac{1}{4} \) sec.cor., marked \( \frac{1}{4} \) on W.face; dig pits, 18x18x12in N.and S. of stone, 3ft. dist., and raise a mound of earth, \( 3\frac{1}{2} \) ft. base, \( 1\frac{1}{2} \) ft. high, W. of cor. Wash, 20 1ks. Wide, course SE. 40.00 76.50 80.00 Set a malpais stone, 18x12x8ins., 12ins.in the ground, for cor. pf secs.19,20,29 and 30, marked with 2 notches on S, and 5 notches on E.edge; dig pits, 18X18X12ins., in each sec. 5 ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor. Band, level. Soil, gravelly; 2nd rate. No timber. Underbrush, grease wood, sage and cacti. Land covered with dense underbrush and on account of

Subdivision of Tp.20 N., Rg 18 West. chains. the scarcity of water and other reasons more fully explained at the and of these notes, exceptionally difficult to survey, 80.00 chs. January 24,1910. January 25; At 8h 00m.a,m.,l.m.t.,I set off 19 01' s. on the decl.arc; 35°06'N. on the lat.arc and determine a meridian with the solar at the cor. of secs. 19, 20,29 and 30. Thence I run S 89° 55'E. on random line bet.secs.20 and 29. 40.00 set temp. 4 sec. cor. Intersect the N. and S. line 2 lks.S. of the cor. of secs 79.98 20,21,28 and 29. Thence I run N 89°56'w. on true line bet. secs. 20 and 29. Descend over loose rocks thru dense underbrush. wash, 20 lks. wide, course Sw. Over loose rocks. 15.20 Sacramento wash, 600 lks. wide, course S. Over loose rockks 28.00 set a malpais stone, 20x10x6ins., 15inslin the ground, for 39.99 1 sec.cor., marked 1 on N.face; dig pits, 18x18x12ins., E. and W. of stone, 3ft. dist.; and raise a mound of earth, 31 ft. base, 12 ft. high, N. of cor. The cor. of secs.19,20,29 and 30. 79.98 Land, rolling. Soil, rocky; 3rd rate. No timber. Underbrush, greasewood, sage and cacti. Land covered with loose rocks and dense underbrush, and on account of the scarcity of water and other reason more fully explained at the end of these notes, exceptionally difficult to survey, 79.98 chs. Thence I run N 89°47'W. on random line bet.secs.19 and 30. Set temp. 1 sec. cor. Intersect the 5th Guide meridian 16 lks.N. of the cor. 40.00 79.38 of secs.19,24,25 and 30, which is a stone, marked and witnessed as described by the Surveyor General. Thence I run S 89°54'E. on true line bet.secs.19 and 30. Over slightly rolling land thru dense underbrush. wash, 10 lks. wide, course S. 12.40 34.00 wash, 10 lks. wide, course S. wash, 10 lks. wide, course S. 34.50 set a malpais stone, 18x12x8ins., 12ins.in the ground, for 39.38 1 sec.cor., marked 1 on N.face; dig pits, 18x18x12ins., E. and W. of stone, 3ft. dist.; and raise a mound of earth, 3½ ft.base, light, N. of cor. wash, 45 lks. wide, course S. 43.70 wash, 15 lks. wide, course S. 44.60 wash, 15 lks. wide, course S. 67.40 The cor. of secs.19,20,29 and 30. Land, rolling. 79.38 Soil, sandy and gravelly; 2nd rate. No timber. Underbrush, grease mood, sage and cacti. Rolling land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 79,38 chs.
AT this cor. I set off 19'00%'S. on the delc.arc and

> Thence I run N 0°03'W. bet.secs.19 and 20. Over level land thru dense underbrush.

lat.is 35°06'N./

observe he sum on the memidian at noon; the resulting

Set a malpads stone_1SYLERins12ins.in the ground for \$ sec. cor. merked of w. face: dig pits_1SXLSNLZins.  66.00  80.00	chains.	
for i sec.cor.,marked ion W. face: die pits,laxizins N.and S. of stone, Sff.dist.; and raise a mound of earth, 3 ff.base,lift.high,W. of cor. 80.00 80		
Sylvamb, 15 lts. Fide, ourse SE.  Set a malpais stone, 1888/sins., 12ins.in the ground, for cor. of secs.17, 18, 19 and 20, marked with 3 notches on S. and 5 notches on N. edge; dig pits, 1881822ins., in each sec.5; ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.  Land, 1evel.  Soil, sandy loam, 2nd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80,00 chs.  Thence I run  S 89'58'E. on random line bot. secs.17 and 20.  Set temp. 1 sec. cor.  Thence I run  N 89'51'W. on true line bet. secs.17 and 20.  Set temp. 1 sec. cor.  Bescend slowly thru dense underbrush.  Wash, 15 lts. wide, course SW.  Set a malpais stone, 18866ins., 12ins.in the ground, for sec. cor., marked 1 on N. face; dig pits, 1882821ins. E. and W. of stone, 3ft.dist.; and raise a mound of earth 3 ft.base, 12 ft.hisp, N. of cor.  Soil, gravelly; 3rd rate.  No timber.  Underbrush, greasewood, catclaw, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 26; At 8h.00m., a.m., l.m.t., i set off 18'46' S. on the decl.arc; 35'07'N. on the lat. arc and determine a meridian mith the solar at the cor. of secs.17, 18, 19 and 20.  Thence I run  West bet. accs.18 and 19.  Over nearly level.land thru dense underbrush.  Wash, 10 lts. wide, course S.  Set a malpais etone, laws fins., lains. in the ground, for lesc. cor., marked on N. face; dig pits, 1818 X12ins. E. and W. of stone, 3ft.dist.; and raise a mound of earth, 3ft. hash, 15 lts. wide, course S.  Set a malpais etone, laws fins., lains. in the ground, fins. the source S.  Set a malpais etone, laws fins., lains. in the ground, fins. the sec. in t	10000	for 1 and nor marked len W food, 14 mile 2002 or
Sylvamb, 15 lts. Fide, ourse SE.  Set a malpais stone, 1888/sins., 12ins.in the ground, for cor. of secs.17, 18, 19 and 20, marked with 3 notches on S. and 5 notches on N. edge; dig pits, 1881822ins., in each sec.5; ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.  Land, 1evel.  Soil, sandy loam, 2nd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80,00 chs.  Thence I run  S 89'58'E. on random line bot. secs.17 and 20.  Set temp. 1 sec. cor.  Thence I run  N 89'51'W. on true line bet. secs.17 and 20.  Set temp. 1 sec. cor.  Bescend slowly thru dense underbrush.  Wash, 15 lts. wide, course SW.  Set a malpais stone, 18866ins., 12ins.in the ground, for sec. cor., marked 1 on N. face; dig pits, 1882821ins. E. and W. of stone, 3ft.dist.; and raise a mound of earth 3 ft.base, 12 ft.hisp, N. of cor.  Soil, gravelly; 3rd rate.  No timber.  Underbrush, greasewood, catclaw, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 26; At 8h.00m., a.m., l.m.t., i set off 18'46' S. on the decl.arc; 35'07'N. on the lat. arc and determine a meridian mith the solar at the cor. of secs.17, 18, 19 and 20.  Thence I run  West bet. accs.18 and 19.  Over nearly level.land thru dense underbrush.  Wash, 10 lts. wide, course S.  Set a malpais etone, laws fins., lains. in the ground, for lesc. cor., marked on N. face; dig pits, 1818 X12ins. E. and W. of stone, 3ft.dist.; and raise a mound of earth, 3ft. hash, 15 lts. wide, course S.  Set a malpais etone, laws fins., lains. in the ground, fins. the source S.  Set a malpais etone, laws fins., lains. in the ground, fins. the sec. in t		Tot T sec. cor., marked Fon w. race; dig pits, 18X18X121ns.
Sylvamb, 15 lts. Fide, ourse SE.  Set a malpais stone, 1888/sins., 12ins.in the ground, for cor. of secs.17, 18, 19 and 20, marked with 3 notches on S. and 5 notches on N. edge; dig pits, 1881822ins., in each sec.5; ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, W. of cor.  Land, 1evel.  Soil, sandy loam, 2nd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80,00 chs.  Thence I run  S 89'58'E. on random line bot. secs.17 and 20.  Set temp. 1 sec. cor.  Thence I run  N 89'51'W. on true line bet. secs.17 and 20.  Set temp. 1 sec. cor.  Bescend slowly thru dense underbrush.  Wash, 15 lts. wide, course SW.  Set a malpais stone, 18866ins., 12ins.in the ground, for sec. cor., marked 1 on N. face; dig pits, 1882821ins. E. and W. of stone, 3ft.dist.; and raise a mound of earth 3 ft.base, 12 ft.hisp, N. of cor.  Soil, gravelly; 3rd rate.  No timber.  Underbrush, greasewood, catclaw, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 26; At 8h.00m., a.m., l.m.t., i set off 18'46' S. on the decl.arc; 35'07'N. on the lat. arc and determine a meridian mith the solar at the cor. of secs.17, 18, 19 and 20.  Thence I run  West bet. accs.18 and 19.  Over nearly level.land thru dense underbrush.  Wash, 10 lts. wide, course S.  Set a malpais etone, laws fins., lains. in the ground, for lesc. cor., marked on N. face; dig pits, 1818 X12ins. E. and W. of stone, 3ft.dist.; and raise a mound of earth, 3ft. hash, 15 lts. wide, course S.  Set a malpais etone, laws fins., lains. in the ground, fins. the source S.  Set a malpais etone, laws fins., lains. in the ground, fins. the sec. in t		wand 5. of stone, 3rt. dist.; and raise a mound of earth,
Set a malpais stone, 1878/stine, 121ms. in the ground, for cor. of secs. 17.18,18 and 20, marked with 3 notches on S.and 5 notches on R.edge; dig pits, 1818/8212ims., in each sec. 55 ft.dist.; and raise a mound of earth, 47t. hand, 18vel.  Soil.sandy losm, 2nd rate.  No timber.  Underbrush, greasewood, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs.  Thence I run  S 89'55'E. on random line bet. secs.17 and 20.  Set temp.; sec. cor.  Thence I run  N 89'51'W. on true line bet. secs.17 and 20.  Set temp.; sec. cor.  Thence I run  N 89'51'W. on true line bet. secs.17 and 20.  Research and slowly thru dense underbrush.  Wash, 15 lks. wide, course Sw.  Set a malpais stone, 1888/sins., 12ins. in the ground, for; sec. cor., marked; on N.face; dig pits, 18818812ins. E.and W. of stone, 5ft.dist.; and raise a mound of earth 3ft. base, 16; 18t. wide, course Sw.  Wash, 70 lks. wide, course Sw.  The cor of secs.17, 18,19 and 20.  Land, level.  Soil, gravelly; 3rd rate.  No timber.  Underbrush, greasewood, catalwa, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 25; 1910.  January 25; At 8h.00m., a.m., l.m. t. is et off 18'46' S. on the decl. arc; 55'07'N. on the lat. arc and determine a meridian mith the solar at the cor. of secs.17, 18, 19 and 20.  Thence I run  West bet. secs.18 and 19.  Over nearly level. land thru dense underbrush, wash, 10 lks. wide, course S.  Set a malpais stone, 1818X6ins., 12ins. in the ground, for secs.18 and 19.  Over nearly level. land thru dense underbrush.  Wash, 10 lks. wide, course S.  Wash, 15 lks. wide, course S.  Wash, 15 lks. wide, course S.  Wash, 15 lks. wide, course S.  Wash		of rt. base, if rt. nign, w. of cor.
for cor. of secs.17,18,18 and 20, marked with 3 notches on S.and 5 notches on R.edge; dig pits,1811812Bins., in each sec.5f ft.dist.; and raise a mound of earth,4ft. base,2ft.high,W. of cor.  Land,1evel.  Soll,sandy loam,2nd rate.  No timber.  Underbrush,greasewood,sage and cacti.  Land covered with dense underbrush,and on account of the searcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey,80.00 chs.  Thence I run S 89'56'E. on random line bet.secs.17 and 20.  Set tamp, sec.cor.  Intersect the N.and S. line 11 lks.W. of the cor.of secs 16,17,20 and 21.  Thence I run N 89'51'W. on true line bet.secs.17 and 20.  Bescend slowly thnu dense underbrush.  Wash,15 lks.wide,course SW.  Set a melpais store,1886fdims.,12ins.in the ground, for a sec.cor. marked a on N.face: dig pits,18x18x12ins. E.and W. of store,5ft.dist.; and raise a mound of earth 54 ft.base,14 ft.nigh,N. of cor.  Wash,70 lks.wide,course S.  The cor. of secs.17,18,19 and 20.  Land,level.  Soll,gravelly; 3rd rate.  No timber.  Underbrush,greasewood,catclw, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  January 28; At 8h.00m.,e.m.,l.m.t.,1 set off 18'46' S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I run  West bet.secs.18 and 19.  Over nearly level.land thru dense underbrush.  Wash,10 lks.wide,course S.  Set a melpais stone,1886fans.,12ins.in the ground, for a sec.cor. marked on N.face: dig pits,18X18X12ins. E.and W. of stone,5ft.dist.; and raise a mound of earth, 3ft.base,1ft.hav.wide,course S.  Set a melpais tone,18876ins.plains, in the ground, for a sec.cor. marked on N.face: dig pits, 18X18X12ins. E.and W. of stone,5ft.dist.; and raise a mound of earth, 3ft.base,1ft.hav.die,course S.  Set mel,15 lks.wide,course S.  Wash,15 lks.wide,course S.  Wash,15	1	wash, 15 lks. wide, course SE.
on S.and 5 notches on E.edge; dig pits, lexistizini, in each sec. 5\frac{2}{3}\$ ft.dist.; and raise a mound of earth, 4ft. base, 2ft.high, w of cor.	80.00	Set a malpais stone, 18x8x6ins., 12ins.in the ground.
on s.and b. notches on R.edge; dig pits,18x118x112x1s., in each sec. \$f ft.dist.; and raise a mound of earth,4ft. base,2xt.high,N. of cor. Land,1evel.  Soil,sandy losm,2nd rate. No timber. Underbrush,greasewood,sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey,80.00 chs.  Thence I run S 89°56'E. on random line bet.secs.17 and 20. Set temp.; sec.cor. Intersect the N.and S. line ll lks.N. of the cor.of secs 16,17,20 and 21. Thence I run N 89°51'W. on true line bet.secs.17 and 20. Descend slowly thu dense underbrush.  Set a malpais stone,18x6x6ins.,12ins.in the ground, for i sec.cor.marked; on N.face; dig pits,18x18x12ins.E.and W. of stone,5xt.dist.; and raise a mound of earth 35; ft.base,1; ft.high,N. of cor.  Sath,70 lks.wide,course S. Wash,70 lks.wide,course S. Wash,70 lks.wide,course S. Wash,70 lks.wide,course S. Soilgravelly; 3rd rate. No timber. Underbrush,greasewood,catclww, sage and cacti. Land covered with dense underbrush,and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  January 25; 1810.		for cor. of secs. 17, 18, 19 and 20 marked with 3 notches
each sec. by ft. dist.; and raise a mound of earth, 4ft. base, 2ft.high,". or cor. Land, level. Soil, sandy losm, 2nd rate. No timber. Underbrush, greasewood, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80,00 chs.  Thence I run Ss8'56'E. on random line bet. secs. 17 and 20. Set temp, jec. cor. 10.100 Set amalped stone, landstein, land 20. 10.100 Descend slowly thru dense underbrush. 10.100 Set amalped stone, landstein, lains, in the ground, for jec. cor. marked jen N. face; dig pits, laxiszizins. 10.100 Set amalped stone, laxistin, lains, in the ground, for jec. cor. marked jen N. face; dig pits, laxiszizins. 10.100 Set amalped stone, laxistin, lains, in the ground, for jec. cor. marked jen N. face; dig pits, laxiszizins. 10.100 Set jen, lains, lain		on S. and 5 notches on E. edge: dig pits. 18x18x12ing. in
base, 22th high, w. of cor. Land, level. Soil, sandy loam, 2nd rate. No timber. Underbrush, greasewood, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80,00 chs.  Thence I run S 89°55 E. on random line bet.secs.17 and 20. Set temp. sec. or. Intersect the N. and S. line ll lks. W. of the cor. of secs 16.17,20 and 21. Thence I run W 89°51 W. on true line bet.secs.17 and 20. Descend slowly thru dense underbrush.  Set a malpais stone, 1876 Ksims., 121ms. in the ground, for lsec. or. marked to n N. face; dig pits, 18X18X121ms. E. and w. of stone, 35ft.dist.; and raise a mound of earth 3ft.base, 1ft.base, 1ft.high, W. of cor. Wash, 70 lks. wide, course S. Soil. gravelly; 3rd rate. No timber. Underbrush, greasewood, catclww, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 25; 1910.  January 25; 1910.  January 25; 1910.  January 26; At 8h.00m., a.m., l.m., t., l set off 18°46' S.on the decl.arc; 35°07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18, 19 and 20. Thence I run West bet. secs. 18 and 19. Over nearly level. land thru dense underbrush. Set a malpais stone, 1848 Ksins., 12ins. in the ground, for 1 sec. cor., marked 1 on N. face; dig pits, 18X18X1821ns. E. and W. of stone, 53tt.dist.; and raise a mound of earth, 35 ft. base, 14 t. high, N. of cor.  3ft. base, 14 t. high, N. of cor. Set 1.75 Wash, 15 lks. wide, course S. Wash, 15 lks. wide, course S. Wash, 15 lks. wide, course		each sec. 5 ft. dist.: and raise a mound of earth 4ft
Land, level.  Soil, sandy loam, 2nd rate.  No timber.  Underbrush, gressewood, sage and cacti.  Land covered with dense underbrush, and on account of the searcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80,00 chs.  Thence I run  S 39°56'E. on random line bet. secs. 17 and 20.  Set temp. 1 sec. cor.  Intersect the N. and S. line 11 lks. N. of the cor. of secs 16,17,20 and 21.  Thence I run  N 39°51'W. on true line bet. secs. 17 and 20.  Descend slowly thru dense underbrush.  Wash, 15 lks. w ide, course Sw.  Set a malpais stone, 1966'Kins., 12ins. in the ground, for 1 sec. cor., Barked 1 on N. face; dig pits, 18X18X12ins. E. and w. of stone, 52ft. dist.; and raise a mound of earth 3ft. base, 1ft. bigs. 1ft. base, 1ft. figh. N. of cor.  Wash, 70 lks. wide, course S.  Soil, gravelly; 3rd rate.  No timber.  Underbrush greasewood, catclww, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 25; 1910.  January 25; 1910.  January 25; 1910.  January 25; 1910.  January 26; At 8h. 00m., a.m., l.m.t., I set off 18°46'  S. on the decl. arc; 35°07'N. on the lat. arc and determine a meridian with the solar at the cor. of secs.17, l8, l9 and 20.  Thence I run  West bet. secs. 18 and 19,  Over nearly level. land thru dense underbrush.  Wash, 20 lks. wide, course S.  Wash, 20 lks. wid		base. 2ft. high. W. of cor
Soil, sandy loam, 2nd rate.  No timber.  Underbrush, greaserood, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80,00 chs.  Thence I run  \$89°56'E. on random line bet.secs.17 and 20.  Thence I run  \$89°56'E. on random line bet.secs.17 and 20.  Intersect the N.and S. line Il lks.N. of the cor.of secs 16,17,20 and 21.  Thence I run  N.89°51'N. on true line bet.secs.17 and 20.  Descend slowly thru dense underbrush.  Wash, 150 lks. wide, course SW.  Set a malpais stone, 1886kins., 12ins. in the ground, for \$1 sec.cor. marked \$1 on N.face; dig pits, 18X18X12ins.  E.and W. of stone, 55'. dist.; and raise a mound of earth \$2 ft.base, 1\$ ft.high, N. of cor.  Wash, 70 lks. wide, course S.  The cor. of secs.17, 18, 19 and 20.  Land, level.  Soil, gravelly; 3rd rate.  No timber.  Underbrush, greasewood, catclww, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 25; 1910.  January 26; At 8h.00m., a.m., l.m.t., I set off 18° 46' S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18, 18 and 20.  January 26; At 8h.00m., a.m., l.m.t., is set off 18° 46' S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18, 18 and 20.  January 26; At 8h.00m., a.m., l.m.t., is set off 18° 46' S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18, 18 and 20.  Yes a malpais stone, 18x8 6ins., 12ins. in the ground, for \$2 sec. 13, 3 and 18 sec. 18 and 19.  Over nearly level. innd thru dense underbrush.  Set a malpais stone, 18x8 6ins., 12ins. in the ground		
No timber.  Underbrush, greasewood, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80,00 chs.  Thence I run  S 89°56'E. on random line bet.secs.17 and 20.  Set temp, 1 sec.cor.  Intersect the N.and S. line 11 ks.N. of the cor.of secs 16,17,20 and 21.  Thence I run  N 89°51'W. on true line bet.secs.17 and 20.  Descend slowly thru dense underbrush.  Wash,15 ks.w.ide, course 5v.  Wash,15 ks.w.ide, course 5v.  Set a malpais stone,1876'Kins.,12ins.in the ground, for 1 sec.cor.,marked 1 on N.face; dig pits,18x18x12ins. E.and v. of stone,57t.dist.; and raise a mound of eart h 3f ft.base,1f ft.hig.N. of cor.  Wash,70 ks.wide,course S.  Land, level.  Soil,gravelly; 3rd rate.  No timber.  Underbrush,greasewood,catclww, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  January 25; 1910.  January 26; At 8h.00m.,a.m.,l.m.t.,l set off 18°46'  S.on the decl.arc; 35°07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  January 26; At 8h.00m.,a.m.,l.m.t.,l set off 18°46'  S.on the decl.arc; 35°07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I run  West bet.secs.18 and 19.  Over nearly level.land thru dense underbrush.  Wash,10 ks.wide,course S.  Wash,15 ks.wide,course S.  Wash,1		
Underbrush, greasewood, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs.  Thence I run S 89'56'E. on random line bet.secs.17 and 20. Set temp.; sec.cor. Intersect the N.and S. line Il lks.H. of the cor.of secs 16,17,20 and 21. Thence I run N 89'51'W. on true line bet.secs.17 and 20. Bescend slowly thru dense underbrush. Wash, 15 lks.wide, course SW. Wash, 150 lks.wide, course SW. Set a malpais stone, 1876 kdims., 12ins.in the ground, for ; sec.cor.marked ; on N.face; dig pits, 1878 kl 12ins. E.and W. of stone, 37t dist.; and raise a mound of earth 5; ft.base, 1; ft.high, N. of cor. Wash, 70 lks.wide, course S. Set. Wash, 70 lks.wide, course S. Wash, 70 lks.wide, course S. Wash, 70 lks.wide, course S. The cor. of secs.17, 18, 19 and 20. Land, level. Soil, gravelly; Srd rate. No timber. Underbrush, greasewood, catclaw, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 26; At 8h.00m., a.m., l.m.t., I set off 18°46' S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  January 26; At 8h.00m., a.m., l.m.t., I set off 18°46' S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I run West bet.secs.18 and 19. Over nearly level.land thru dense underbrush. Set a malpais stone, 18% scins., 12ins. in the ground, for \( \frac{1}{2}\) sec.cor., marked \( \frac{1}{2}\) on N.face; dig pits, 18X18X12ins. E.and W. of stone, 3ft. dist.; and raise a mound of earth, \( \frac{1}{2}\) ft.base, 14 ft.high, N. of cor.  Wash, 15 lks.wide, course S. Wash, 15 lks.wide, co		
Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80,00 chs.  Thence I run S 89 56 E. on random line bet. secs.17 and 20.  Set temp.; sec.or. Intersect the N. and S. line ll lks. N. of the cor. of secs 16,17,20 and 21. Thence I run N 89 51 W. on true line bet. secs.17 and 20. Descend slowly thru dense underbrush.  Wash,15 lks. wide, course SW. Set a malpais stone, 1876Xeins., 12ins. in the ground, for; sec.or., marked; on N. face; dig pits, 18718/12/1as. E. and W. of stone, 57t. dist.; and raise a mound of earth 54 ft. base, 1; ft. high, N. of cor.  Wash,70 lks. wide, course S. Wash,70 lks. wide, course S. Wash,70 lks. wide, course S. Underbrush, greasewood, catclww, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 25; 1910.  January 26; At 8h.00m., a.m., l.m.t., I set off 18 46 S. on the decl.arc; 35 07 N. on the lat. arc and determine a meridian with the solar at the cor. of secs.17, 18, 19 and 20.  Thence I run West bet. secs.18 and 19. Over nearly level. land thru dense underbrush.  Set a malpais stone, 1878 Kins., 12ins. in the ground, for is sec.cor., marked in N. face; dig pits, 18718712ins. R. and W. of stone, 57t. dist.; and raise a mound of earth, 2 ft. hase, 1 ft. high, N. of cor.  Wash, 15 lks. wide, course S. Was		
the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.00 chs.  Thence I run S 89'56'E. on random line bet.secs.17 and 20.  Set temp.; sec.cor. Intersect the N.and S. line Il lks.N. of the cor.of secs 16,17,20 and 21. Thence I run N 89'51'W. on true line bet.secs.17 and 20. Descend slowly thru dense underbrush. Wash,15 lks.wide, course SW. Wash,150 lks.wide, course SW. Set a malpais stone, 1876K6ins., 12ins.in the ground, for ; sec.cor., marked ; on N.face; dig pits, 18X18X12ins.E. and W. of stone, 57t.dist.; and raise a mound of earth 3; ft.buse, 1; ft.high.N. of cor. Wash,70 lks.wide, course S. Wash,70 lks.wide, course S. Wash,70 lks.wide, course S. The cor. of secs.17, 18, 19 and 20. Land, level. Soil, gravelly; 3rd rate. No timber. Underbrush, greasewood, catolww, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 26; At 8h.00m., a.m., l.m.t., I set off 18'46' S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18, 19 and 20.  Thence I run West bet.secs.18 and 19. Over nearly level.land thru dense underbrush.  2.00  Wash,10 lks.wide, course S. Wash,10 lks.wide, course S. Wash,15 lks.wide, cour		Underbrush, greasewood, sage and cacti.
plained at the end of these notes, exceptionally difficult to survey, 80,00 chs.  Thence I run Set temp, 1 sec.or. Intersect the N.and S. line 11 lks.N. of the cor.of secs 16,17,20 and 21. Thence I run N 89°51'W. on true line bet.secs.17 and 20. Descend slowly thru dense underbrush. Wash, 15 lks.wide, course SW. Set a malpais stone, 1876Kéins., 12ins.in the ground, for 1 sec.oor., marked 1 on N.face; dig pits, 1871R/12ins.E. and W. of stone, 57t. dist.; and raise a mound of earth 3 ft.base, 1 ft.high.N. of cor.  Wash, 70 lks.wide, course S. Set.30 Wash, 70 lks.wide, course S. The cor. of secs.17, 18, 18 and 20. Land, 16vel. Soil, gravelly; 3rd rate. No timber. Underbrush, greasewood, catclww, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 25; 1910.  January 26; At 8h.00m., a.m., l.m.t., l set off 18°46' S. on the decl.arc; 35°07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18, 19 and 20. Thence I run West bet.secs.18 and 19. Over nearly level.land thru dense underbrush. Set a malpais stone, 1888K6ins., 12ins.in the ground, for 1 sec.cor., marked 1 on N. face; dig pits, 18718712ins. F. and W. of stone, 85t. dist.; and raise a mound of earth, 3 ft.base, 1 ft.high.N. of cor. Wash, 15 lks.wide, course S. Wash, 15 lks.w		Land covered with dense underbrush, and on account of
plained at the end of these notes, exceptionally difficult to survey, 80,00 chs.  Thence I run Set temp, 1 sec.or. Intersect the N.and S. line 11 lks.N. of the cor.of secs 16,17,20 and 21. Thence I run N 89°51'W. on true line bet.secs.17 and 20. Descend slowly thru dense underbrush. Wash, 15 lks.wide, course SW. Set a malpais stone, 1876Kéins., 12ins.in the ground, for 1 sec.oor., marked 1 on N.face; dig pits, 1871R/12ins.E. and W. of stone, 57t. dist.; and raise a mound of earth 3 ft.base, 1 ft.high.N. of cor.  Wash, 70 lks.wide, course S. Set.30 Wash, 70 lks.wide, course S. The cor. of secs.17, 18, 18 and 20. Land, 16vel. Soil, gravelly; 3rd rate. No timber. Underbrush, greasewood, catclww, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 25; 1910.  January 26; At 8h.00m., a.m., l.m.t., l set off 18°46' S. on the decl.arc; 35°07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18, 19 and 20. Thence I run West bet.secs.18 and 19. Over nearly level.land thru dense underbrush. Set a malpais stone, 1888K6ins., 12ins.in the ground, for 1 sec.cor., marked 1 on N. face; dig pits, 18718712ins. F. and W. of stone, 85t. dist.; and raise a mound of earth, 3 ft.base, 1 ft.high.N. of cor. Wash, 15 lks.wide, course S. Wash, 15 lks.w		the scarcity of water and other reasons more fully ex-
Thence I run S 89'56'E. on random line bet.secs.17 and 20.  10.00 Set temp.; sec.or. Intersect the N.and S. line 11 lks.M. of the cor.of secs 16,17,20 and 21. Thence I run N 89'51'W. on true line bet.secs.17 and 20. Descend slowly thru dense underbrush. Wash,150 lks.wide,course SW. Wash,150 lks.wide,course SW. Set a malpais stone,1886k6ins.,12ins.in the ground, for ; sec.or.,marked ; on N.face; dig pits,1881812ins. E.and W. of stone,35t.dist.; and raise a mound of earth \$\frac{3}{2}\$; ft.base,1; ft.high,N. of cor.  Wash,70 lks.wide,course S.  80.04  The cor. of secs.17,18,19 and 20. Land,1evil. Soil,gravelly; 3rd rate. No timber. Underbrush,greasewood,catclaw, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  January 26; At 8h.00m.,a.m.,l.m.t.,! set off 18'46' S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I run West bet.secs.18 and 19. Over nearly level.land thru dense underbrush.  2.00  Set a malpais stone,18886ins.,12ins.in the ground, for ; sec.cor.,marked ; on N.face; dig pits,18818212ins. E.and W. of stone,8ft.dist.; and raise a mound of earth, 3; t.base,1; ft.high,N. of cor.  Wash,15 lks.wide,course S.  Intersect the 5th Quide Meridian 85 lks.3. of the cor. of secs.13, and 24, which is a stone,marked and witnessed as described by the Surveyor General; I dwatzythe pits to the Ne.and SE.te make it a cor to Z		plained at the end of these notes exceptionally diffic-
Thence I run  S9°55 E. on random line bet.secs.17 and 20.  Set temp. sec.or.  Intersect the N.and S. line 11 lks.W. of the cor.of secs 16,17,20 and 21.  Thence I run  N89°51 W. on true line bet.secs.17 and 20.  Descend slowly thru dense underbrush.  6.85 Wash,15 lks.Wide,course SW.  Set a malpais stone,187656ins.,12ins.in the ground, for 1 sec.cor.,marked 1 on N.face; dig pits,18718712ins.  E.and W. of stone,5ft.dist.; and raise a mound of earth 51 ft.base,15 ft.high,N. of cor.  Wash,70 lks.Wide,course S.  Wash,70 lks.Wide,course S.  The cor. of secs.17,18,19 and 20.  Land,level.  Soil,gravelly; 3rd rate.  No timber.  Underbrush,greasewood,catclaw, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  January 26; At 8h.00m.,a.m.,l.m.t., I set off 18°46'  S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I run  West bet.secs.18 and 19.  Over nearly level.land thru dense underbrush.  Wash,10 lks.Wide,course S.  Set a malpais stone,18x8x6ins.,12ins.in the ground, for 1 sec.cor.,marked 1 on N.face; dig pits,18x18x12ins.  F. and W. of stone,5ft.dist.; and raise a mound of earth, 35 ft.base,15 lks.Wide,course S.  Wash,15 lks.Wide,course S.  Theresect the 5th Guide Meridian 85 lks.S. of the cor. of secs.13, and 24, which is a stone,marked and witnessed as described by the Surveyor General; I greatizythe pits to the N.wand Sw.and rebuild ybe mound to the W. of stone and fill the pits to the NE and SE.to make it a cor to Z		
S 89°56'E. on rendom line bet.secs.17 and 20.  Set temp. \$\frac{1}{2}\$ sec.cor.  Intersect the N. and S. line 11 lks.N. of the cor.of secs 16,17,20 and 21.  Thence I rum  N 89°51'W. on true line bet.secs.17 and 20.  Descend slowly thru dense underbrush.  Wash,15 lks.wide,course SW.  Wash,150 lks.wide,course SW.  Set a malpais stone,18%CkGins.,12ins.in the ground, for \$\frac{1}{2}\$ sec.cor.,marked \$\frac{1}{2}\$ on N.face; dig pits,18x18x12ins. E. and W. of stone,5ft.dist.; and raise a mound of earth \$\frac{1}{2}\$ ft.base,1\$ ft.high,N. of cor.  Wash,70 lks.wide,course S.  The cor. of secs.17,18,19 and 20.  Land,level.  Soil,gravelly; 3rd rate.  No timber.  Underbrush,greasewood,catclww, sage and cacti.  Land covered with dense underbrush,and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  January 28; At 8h.00m.,a.m.,l.m.t.,1 set off 18°46'  S. on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I rum  West bet.secs.18 and 19.  Over nearly level.land thru dense underbrush.  Wash,10 lks.wide,course S.  Set a malpais stone,18x8KGins.,12ins.in the ground, for \$\frac{1}{2}\$ sec.cor.,marked \$\frac{1}{2}\$ on N.face; dig pits,18X18X12ins. E. and W. of stone,3ft.dist.; and raise a mound of earth, \$\frac{1}{2}\$ ft.base,1\$ ft.high,N. of cor.  Wash,15 lks.wide,course S.  Intersect the 5th Guide Meridian S5 lks.3. of the cor. of secs.13, and 24, which is a stone,marked and witnessed as described by the Surveyor Gen		all to bar voy you all onto
S 89°56'E. on rendom line bet.secs.17 and 20.  Set temp. \$\frac{1}{2}\$ sec.cor.  Intersect the N. and S. line 11 lks.N. of the cor.of secs 16,17,20 and 21.  Thence I rum  N 89°51'W. on true line bet.secs.17 and 20.  Descend slowly thru dense underbrush.  Wash,15 lks.wide,course SW.  Wash,150 lks.wide,course SW.  Set a malpais stone,18%CkGins.,12ins.in the ground, for \$\frac{1}{2}\$ sec.cor.,marked \$\frac{1}{2}\$ on N.face; dig pits,18x18x12ins. E. and W. of stone,5ft.dist.; and raise a mound of earth \$\frac{1}{2}\$ ft.base,1\$ ft.high,N. of cor.  Wash,70 lks.wide,course S.  The cor. of secs.17,18,19 and 20.  Land,level.  Soil,gravelly; 3rd rate.  No timber.  Underbrush,greasewood,catclww, sage and cacti.  Land covered with dense underbrush,and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  January 28; At 8h.00m.,a.m.,l.m.t.,1 set off 18°46'  S. on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I rum  West bet.secs.18 and 19.  Over nearly level.land thru dense underbrush.  Wash,10 lks.wide,course S.  Set a malpais stone,18x8KGins.,12ins.in the ground, for \$\frac{1}{2}\$ sec.cor.,marked \$\frac{1}{2}\$ on N.face; dig pits,18X18X12ins. E. and W. of stone,3ft.dist.; and raise a mound of earth, \$\frac{1}{2}\$ ft.base,1\$ ft.high,N. of cor.  Wash,15 lks.wide,course S.  Intersect the 5th Guide Meridian S5 lks.3. of the cor. of secs.13, and 24, which is a stone,marked and witnessed as described by the Surveyor Gen	1	
S 89°56'E. on rendom line bet.secs.17 and 20.  Set temp. \$\frac{1}{2}\$ sec.cor.  Intersect the N. and S. line 11 lks.N. of the cor.of secs 16,17,20 and 21.  Thence I rum  N 89°51'W. on true line bet.secs.17 and 20.  Descend slowly thru dense underbrush.  Wash,15 lks.wide,course SW.  Wash,150 lks.wide,course SW.  Set a malpais stone,18%CkGins.,12ins.in the ground, for \$\frac{1}{2}\$ sec.cor.,marked \$\frac{1}{2}\$ on N.face; dig pits,18x18x12ins. E. and W. of stone,5ft.dist.; and raise a mound of earth \$\frac{1}{2}\$ ft.base,1\$ ft.high,N. of cor.  Wash,70 lks.wide,course S.  The cor. of secs.17,18,19 and 20.  Land,level.  Soil,gravelly; 3rd rate.  No timber.  Underbrush,greasewood,catclww, sage and cacti.  Land covered with dense underbrush,and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  January 28; At 8h.00m.,a.m.,l.m.t.,1 set off 18°46'  S. on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I rum  West bet.secs.18 and 19.  Over nearly level.land thru dense underbrush.  Wash,10 lks.wide,course S.  Set a malpais stone,18x8KGins.,12ins.in the ground, for \$\frac{1}{2}\$ sec.cor.,marked \$\frac{1}{2}\$ on N.face; dig pits,18X18X12ins. E. and W. of stone,3ft.dist.; and raise a mound of earth, \$\frac{1}{2}\$ ft.base,1\$ ft.high,N. of cor.  Wash,15 lks.wide,course S.  Intersect the 5th Guide Meridian S5 lks.3. of the cor. of secs.13, and 24, which is a stone,marked and witnessed as described by the Surveyor Gen	1	
40.00  80.04 Intersect the N. and S. line ll lks.N. of the cor. of secs 16,17,20 and 21.  Thence I run  N 89 51 W. on true line bet. secs.17 and 20.  Descend slowly thru dense underbrush.  808.25 Wash,15 lks.wide,course SW.  Set a malpais stone,18% (sins.,12ins.in the ground, for \$ sec.cor.,marked \$ on N. face; dig pits,18% 18% 12ins.  E. and W. of stone,55t.dist.; and raise a mound of earth 3 ft. base,1 ft. high, N. of cor.  80.04 Nes.wide,course S.  Wash,70 lks.wide,course S.  Wash,70 lks.wide,course S.  The cor. of secs.17,18,19 and 20.  Land,level.  Soil,gravelly; 3rd rate.  No timber.  Underbrush,greasewood,catclaw, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 25; 1910.  January 26; At 8h.00m.,a.m.,l.m.t., I set off 18° 46' S.on the decl.arc; 35'07'N. on the lat. arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I run  West bet.secs.18 and 19.  Over nearly level.land thru dense underbrush.  8ash,10 lks.wide,course S.  8ash,10 lks.wide,course S.  8ash,15 lks.wide,course S.  Wash,15 lks.wide,course S.  The course S.  Wash,15 lks.wide,course S.  Wash,15 lks.wide,course S.  Wash,15 lks.wide,course S.  The course S.  Wash,15 lks.wide,course S.  The course S.  Wash,15 lks.wide,course S.  Wash,15 lks.wid		
Intersect the N. and S. line 11 lks.N. of the cor.of secs 16,17,20 and 21.  Thence I run N 89'51'W. on true line bet.secs.17 and 20. Descend slowly thru dense underbrush.  6.85 86.25 Wash,150 lks.wide,course SW. Set a malpais stone,188866ins.,12ins.in the ground, for ½ sec.oor., marked ½ on N.face; dig pits,18818812ins. E. and W. of stone,5ft.dist.; and raise a mound of eart h 3½ ft.base,1½ ft.high,N. of cor. Wash,70 lks.wide,course S. Wash,70 lks.wide,course S. The cor. of secs.17,18,19 and 20. Land,level. Soil,gravelly; 3rd rate. No timber. Underbrush,greasewood,catclww, sage and cacti. Land covered with dense underbrush,and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  January 26; At 8h.00m.,a.m.,l.m.t.,I set off 18'46' S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I run West bet.secs.18 and 19. Over nearly level.land thru dense underbrush.  2.00 Wash,10 lks.wide,course S. Set a malpais stone,18886ins.,12ins.in the ground, for ½ sec.cor.,marked ½ on N.face; dig pits,18X18X12ins. E. and W. of stone,5ft.dist.; and raise a mound of earth, 3½ ft.base,1½ ft.high,N. of cor. Wash,15 lks.wide,course S. Intersect the 5th quide Meridian 85 lks.S. of the cor. of secs.13, and 24, which is a stone,marked and witnessed as described by the Surveyor General; I graditythe pits to the Nw. and Sw. and rebuild yhe mound to the W. of stone and fill the pits to the NE and	- !	S 89°56'E. on random line bet. secs. 17 and 20.
Intersect the N. and S. line 11 lks.N. of the cor.of secs 16,17,20 and 21.  Thence I run N 89'51'W. on true line bet.secs.17 and 20. Descend slowly thru dense underbrush.  6.85 86.25 Wash,150 lks.wide,course SW. Set a malpais stone,188866ins.,12ins.in the ground, for ½ sec.oor., marked ½ on N.face; dig pits,18818812ins. E. and W. of stone,5ft.dist.; and raise a mound of eart h 3½ ft.base,1½ ft.high,N. of cor. Wash,70 lks.wide,course S. Wash,70 lks.wide,course S. The cor. of secs.17,18,19 and 20. Land,level. Soil,gravelly; 3rd rate. No timber. Underbrush,greasewood,catclww, sage and cacti. Land covered with dense underbrush,and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  January 26; At 8h.00m.,a.m.,l.m.t.,I set off 18'46' S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I run West bet.secs.18 and 19. Over nearly level.land thru dense underbrush.  2.00 Wash,10 lks.wide,course S. Set a malpais stone,18886ins.,12ins.in the ground, for ½ sec.cor.,marked ½ on N.face; dig pits,18X18X12ins. E. and W. of stone,5ft.dist.; and raise a mound of earth, 3½ ft.base,1½ ft.high,N. of cor. Wash,15 lks.wide,course S. Intersect the 5th quide Meridian 85 lks.S. of the cor. of secs.13, and 24, which is a stone,marked and witnessed as described by the Surveyor General; I graditythe pits to the Nw. and Sw. and rebuild yhe mound to the W. of stone and fill the pits to the NE and	i i	Set temp. 1 sec. cor.
16,17,20 and 21.  Thence I run  N 89°51'W. on true line bet.secs.17 and 20.  Bescend slowly thru dense underbrush.  Wash,15 lks.wide,course SW.  Set a malpais stone,1886K6ins.,12ins.in the ground, for \$ sec.cor.,marked \$ on N.face; dig pits,18X18X12ins.  E.and W. of stone,3ft.dist.; and raise a mound of earth \$ 3 \$ ft.base,1 \$ ft.high, N. of cor.  Wash,70 lks.wide,course S.  No timber.  Underbrush,greasewood,catclaw, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  January 25; 1910.   January 26; At 8h.00m.,a.m.,l.m.t.,I set off 18° 46'  S.on the decl.arc; 35°07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I run  West bet.secs.18 and 19.  Over nearly level.land thru dense underbrush.  Wash,10 lks.wide,course S.  Set a malpais stone,18X8X6ins.,12ins.in the ground, for \$ sec.cor.,marked \$ on N.face; dig pits,18X18X12ins.  E.and W. of stone,3ft.dist.; and raise a mound of earth, 3 \$ \$ \$ t.bas,15 lks.wide,course S.  Wash,15 lks.wide,course S.  Intersect the 5th Guide Meridian 85 lks.S. of the cor. of secs.13, and 24, which is a stone,marked and witnessed as described by the Surveyor General; I dwdity,the pits to the NW, and Se. to make it a cor to Z	80.04	
Thence I run  N 89°51'w. on true line bet.secs.17 and 20.  Descend slowly thru dense underbrush.  86.25  Wash,15 lks.wide,course Sw.  Set a malpais stone,18X6X6ins.,12ins.in the ground, for 1 sec.cor.,marked 1 on N.face; dig pits,18X18X12zins. E.and w. of stone,5ft.dist.; and raise a mound of earth 3 ft.base,14 ft.high,N. of cor.  Wash,70 lks.wide,course S.  Wash,70 lks.wide,course S.  The cor. of secs.17,18,19 and 20.  Land,1evel.  Soil,gravelly; 3rd rate.  No timber.  Underbrush,greasewood,catclww, sage and cacti. Land covered with dense underbrush,and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  January 25;1910.  January 26; At 8h.00m.,a.m.,l.m.t.,I set off 18'46' S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I run  West bet.secs.18 and 19.  Over nearly level.land thru dense underbrush.  Wash,10 lks.wide,course S.  Set a malpais stone,18x8x6ins.,12ins.in the ground, for 1 sec.cor.,marked 1 on N.face; dig pits,18x18x12ins. E.and W. of stone,5ft.dist.; and raise a mound of earth, 35 ft.base,14 ft.high,N. of cor.  Wash,15 lks.wide,course S.  Intersect the 5th Guide Meridian 85 lks.S. of the cor. of secs.13, and 24, which is a stone,marked and witnessed as described by the Surveyor General; I condity. the pits to the Nw. and Sw. and rebuild whe mound to the W. of stone and fill the pits to the NE and SE to make it a cor to Z		
Nescend slowly thru dense underbrush.  8.85 8.25 8.25 8.25 8.25 8.26 8.26 8.26 8.27 8.27 8.27 8.28 8.28 8.20 8.20 8.20 8.20 8.20 8.20		
Descend slowly thru dense underbrush.  ***Sah,15** lks.wide,course Sw.**  ***Wash,15** lks.wide,course Sw.**  ***Set a malpais stone,l8x6x6ins.,12ins.in the ground, for t sec.cor.marked t on N.face; dig pits,l8x18x12ins.  **E.and w. of stone,3ft.dist.; and raise a mound of earth dense with the ground of earth dense with the ground of earth dense with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  **January 26; At 8h.00m.,a.m.,l.m.t.,I set off 18° 46'  S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  Thence I run west bet.secs.18 and 19.  Over nearly level.land thru dense underbrush.  **Set a malpais stone,l8x8x6ins.,12ins.in the ground, for t sec.cor.marked t on N.face; dig pits,l8x18x12ins.  **E.and w. of stone,3ft.dist.; and raise a mound of earth, 3thespoils ft.high.N. of cor.  **Wash,10 lks.wide,course S.**  **Wash,15 lks.wide,course S.**  **	To program of the control of the con	
### Wash,15 lks.wide,course SW.  ### Wash,150 lks.wide,course SW.  ### Sec.cor.marked f on N.face; dig pits,laxlaxlains.  ### E.and W. of stone,3ft.dist.; and raise a mound of earth 3 ft.base, lf ft.high, N. of cor.  ### Wash,70 lks.wide,course S.  ### Wash,70 lks.wide,course S.  ### The cor. of secs.17,18,19 and 20.  ### Land, Level.  ### Soil,gravelly; 3rd rate.  ### No timber.  ### Underbrush,greasewood,catclaw, sage and cacti.  ### Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  #### January 25;1910.  ### January 26; At 8h.00m.,a.m.,l.m.t.,I set off 18° 46'  ### Soon the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20.  ### Thence I run  ### West bet.secs.18 and 19.  ### Over nearly level.land thru dense underbrush.  ### Wash,10 lks.wide,course S.  ### Sec.cor.,marked f on N.face; dig pits,18X18X12ins.  ### Ft.base,1 ft.high,N. of cor.  ### Wash,15 lks.wide,course S.		
Set a malpais stone, 18x6kins., 12ins.in the ground, for \$\frac{1}{2}\$ sec.cor., marked \$\frac{1}{2}\$ on N.face; dig pits, 18x18x12ins. E. and w. of stone, 3ft. dist.; and raise a mound of earth \$\frac{3}{2}\$ ft. base, \$\frac{1}{2}\$ ft. high, N. of cor.  Wash, 70 lks. wide, course S.  Land, level.  Soil, gravelly; 3rd rate.  No timber.  Underbrush, greasewood, catolww, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 26; At 8h.00m., a.m., l.m.t., I set off 18°46'  S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18, 19 and 20.  Thence I run  West bet.secs.18 and 19.  Over nearly level.land thru dense underbrush.  Wash, 10 lks. wide, course S.  Set a malpais stone, 18x8 X6ins., 12ins. in the ground, for \$\frac{1}{2}\$ sec.cor., marked \$\frac{1}{2}\$ on N.face; dig pits, 18x18x12ins.  E. and W. of stone, 3ft. dist.; and raise a mound of earth, 3\$\frac{1}{2}\$ ft. base, 1\$\frac{1}{2}\$ ft. high, N. of cor.  Wash, 15 lks. wide, course S.  Wash, 15 l	0.05	
Set a malpais stone, 18% (18% 1, 12 ins. in the ground, for \frac{1}{2} sec.cor., marked \frac{1}{2} on N.face; dig pits, 18% 18% 12 ins. E. and W. of stone, 35t. dist.; and raise a mound of earth \frac{3}{2} ft.base, \frac{1}{2} ft.high, N. of cor.  Wash, 70 lks. wide, course S.  Wash, 70 lks. wide, course S.  The cor. of secs.17, 18, 19 and 20.  Land, level.  Soil, gravelly; 3rd rate.  No timber.  Underbrush, greasewood, catclww, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 25; 1910.   January 26; At 8h.00m., a.m., l.m.t., I set off 18° 46' S. on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18, 19 and 20.  Thence I run  West bet. secs.18 and 19.  Over nearly level.land thru dense underbrush.  Wash, 10 lks. wide, course S.  Set a malpais stone, 18% X6ins., 12ins.in the ground, for \frac{1}{2} sec.cor., marked \frac{1}{2} on N.face; dig pits, 18% X18% X12ins. F. and W. of stone, 35t. dist.; and raise a mound of earth, 35t. the sec.cor., marked \frac{1}{2} on N.face; dig pits, 18% X18% X12ins. F. and W. of stone, 35t. dist.; and raise a mound of earth, 35t. base, 15t. then, N. of cor.  Wash, 15 lks. wide, course S.  Wash,		wasn, 15 1ks. wide, course Sw.
for 1 sec.cor., marked 1 on N.face; dig pits, laxlaxl2ins. E.and W. of stone, 37t. dist.; and raise a mound of earth 31 ft.base, 15 ft.high, N. of cor. Wash, 70 lks. wide, course S. Wash, 70 lks. wide, course S. The cor. of secs.17,18,19 and 20. Land, level. Soil, gravelly; 3rd rate. No timber. Underbrush, greasewood, catclaw, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 25; 1910.  January 26; At 8h.00m., a.m., l.m.t., I set off 18°46' S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18, 19 and 20. Thence I run West bet. secs.18 and 19. Over nearly level.land thru dense underbrush.  2.00 Wash, 10 lks. wide, course S. Set a malpais stone, 18x8 X6ins., l2ins. in the ground, for 1 sec.cor., marked 1 on N.face; dig pits, 18x18x12ins. E. and W. of stone, 3ft. dist.; and raise a mound of earth, 35 ft. base, 15 ft. high, N. of cor. Wash, 15 lks. wide, course S. Wash, 15 lks. wide, cou	i i	
E.and W. of stone, 3ft.dist.; and raise a mound of earth 3 ft.base, 1 ft.high, N. of cor.  Wash, 70 lks.wide, course S. Wash, 70 lks.wide, course S. The cor. of secs.17, 18, 19 and 20.  Land, level. Soil, gravelly; 3rd rate. No timber. Underbrush, greasewood, catclww, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 25; 1910.  January 26; At 8h.00m., a.m., l.m.t., I set off 18° 46' S. on the decl.arc; 35°07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18, 19 and 20.  Thence I run West bet. secs.18 and 19. Over nearly level.land thru dense underbrush.  2.00 Wash, 10 lks.wide, course S. Set a malpais stone, 18 K8 K6ins., 12 ins. in the ground, for 1 sec. cor., marked 2 on N. face; dig pits, 18 X18 X12 ins. E. and W. of stone, 3ft. dist.; and raise a mound of earth, 3ft.base, 1ft.high, N. of cor.  Wash, 15 lks.wide, course S. Wash, 15 lks.wide, cours	40,02	Set a malpais stone, 18x6x6ins., 12ins.in the ground,
E.and W. of stone, 3ft.dist.; and raise a mound of earth 3 ft.base, 1 ft.high, N. of cor.  Wash, 70 lks.wide, course S. Wash, 70 lks.wide, course S. The cor. of secs.17, 18, 19 and 20.  Land, level. Soil, gravelly; 3rd rate. No timber. Underbrush, greasewood, catclww, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 25; 1910.  January 26; At 8h.00m., a.m., l.m.t., I set off 18° 46' S. on the decl.arc; 35°07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18, 19 and 20.  Thence I run West bet. secs.18 and 19. Over nearly level.land thru dense underbrush.  2.00 Wash, 10 lks.wide, course S. Set a malpais stone, 18 K8 K6ins., 12 ins. in the ground, for 1 sec. cor., marked 2 on N. face; dig pits, 18 X18 X12 ins. E. and W. of stone, 3ft. dist.; and raise a mound of earth, 3ft.base, 1ft.high, N. of cor.  Wash, 15 lks.wide, course S. Wash, 15 lks.wide, cours	İ	for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N.face; dig pits, lax18x12ins.
3½ ft.base, ½ ft.high, N. of cor.  Wash, 70 lks.wide, course S.  Wash, 70 lks.wide, course S.  The cor. of secs.17,18,19 and 20.  Land, level.  Soil, gravelly; 3rd rate.  No timber.  Underbrush, greasewood, catclww, sage and cacti.  Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 80.04 chs.  January 26; At 8h.00m., a.m., l.m.t., I set off 18°46' S. on the decl.arc; 35°07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18, 19 and 20.  Thence I run  West bet.secs.18 and 19.  Over nearly level.land thru dense underbrush.  2.00  Set a malpais stone, l8X8 X6ins., l2ins.in the ground, for ½ sec.cor., marked ½ on N.face; dig pits, l8X18X12ins.  E.and W. of stone, 5ft.dist.; and raise a mound of earth, 5½ ft.base, l½ ft.high, N. of cor.  Wash, 15 lks.wide, course S.  Intersect the 5th Guide Meridian 85 lks.S. of the cor. of secs.13, and 24, which is a stone, marked and witnessed as described by the Surveyor General; I gradia, the pits to the NW.and SW.and rebuild yhe mound to the W. of stone and fill the pits to the NE.and SE.to make it a cor to 2		E.and W. of stone.3ft.dist.; and raise a mound of eart h
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Wash,70 lks.wide,course S. The cor. of secs.17,18,19 and 20.  Land,level. Soil,gravelly; 3rd rate. No timber. Underbrush,greasewood,catclww, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes,exceptionally difficult to survey, 80.04 chs.  January 25;1910.  January 26; At 8h.00m.,a.m.,l.m.t.,I set off 18°46' S.on the decl.arc; 35'07'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.17, 18,19 and 20. Thence I run West bet.secs.18 and 19. Over nearly level.land thru dense underbrush. Wash,10 lks.wide,course S. Set a malpais stone,18X8X6ins.,12ins.in the ground, for \(\frac{1}{2}\) sec.cor.,marked \(\frac{1}{2}\) on N.face; dig pits,18X18X12ins. E.and W. of stone,3ft.dist.; and raise a mound of earth, \(\frac{3}{2}\) ft.base,1\(\frac{1}{2}\) ft.high,N. of cor.  Wash,15 lks.wide,course S. Intersect the 5th Guide Meridian 85 lks.S. of the cor. of secs.13, and 24, which is a stone, marked and witnessed as described by the Surveyor General; I decity, the pits to the NW.and SW.and rebuild yhe mound to the W. of stone and fill the pits to the NE.and SE.to make it a cor to 2	50.95	Wash. 70 1ks. wide. course S.
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Wash, 15 1ks. wide, course S. Intersect the 5th Guide Meridian 85 1ks. S. of the cor. of secs. 13, and 24, which is a stone, marked and witnessed as described by the Surveyor General; I course Stone and fill the pits to the NE. and SE. to make it a cor to 2		
71.35 Wash, 15 1ks.wide, course S. 76.85 Wash, 15 1ks.wide, course S. 1ntersect the 5th Guide Meridian 85 1ks.S. of the cor. of secs.13, and 24, which is a stone, marked and witnessed as described by the Surveyor General; I codicythe pits to the NW. and SW. and rebuild yhe mound to the W. of stone and fill the pits to the NE. and SE. to make it a cor to 2	3	
76.85 Wash, 15 lks.wide, course S.  79217 Intersect the 5th Guide Meridian 85 lks.S. of the cor. of secs.13, and 24, which is a stone, marked and witnessed as described by the Surveyor General; I codicythe pits to the NW. and SW. and rebuild the mound to the W. of stone and fill the pits to the NE. and SE. to make it a cor to 2		Wash 15 1kg wide course C
Intersect the 5th Guide Meridian 85 lks.S. of the cor. of secs.13, and 24, which is a stone, marked and witnessed as described by the Surveyor General; I dedigythe pits to the NW. and SW. and rebuild the mound to the W. of stone and fill the pits to the NE. and SE. to make it a cor to 2		Wagh 15 1kg wide Ammae C
of secs.13, and 24, which is a stone, marked and witnessed as described by the Surveyor General; I dedicate pits to the NW. and SW. and rebuild the mound to the W. of stone and fill the pits to the NE. and SE. to make it a cor to 2		The Argent the Rep Colds Hondalon of the a section
as described by the Surveyor General; I andizy the pits to the NW. and SW. and rebuild the mound to the W. of stone and fill the pits to the NE. and SE. to make it a cor to 2	IJALT	THEOTESOUR THE STH GUIDE METICIAN 85 IKS.S. Of the Cor.
to the NW.and SW.and rebuild the mound to the W. of stone and fill the pits to the NE.and SE.to make it a cor to 2		or secs. 13, and 24, which is a stone, marked and witnessed
and fill the pits to the NE.and SE.to make it a cor to 2		as described by the Surveyor General; I dedicythe pits
Sacs		
Sacs	i	and fill the pits to the NE.and SE.to make it a cor to 2
		Sacs

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chains.
            Set a malpais stone, 18x10x6ins., 12ins.in the ground
         for closing cor.bet.secs.18 and 19, marked CC on \mathbb{R}_{-}, \piith
         3 groomes on M. and S. faces; dig pits, 24x18x12ins.,
         crosswise on each line. N. and S. 3ft., and E. of stone, 7ft.
         dist.; and raise a mound of earth, 4ft. base, 2ft. high, E.
         of cor.
             Land, rolling.
             Soil, sandy loam, 2nd rate.
             No timber.
             Underbrush, greasewood and cacti.
         Rolling land covered with dense underbrush, and on a account of the scarcity of water and other reasons more
         fully explained at the end of these notes, exceptionally
         difficult to survey, 79.17 chs.
             Thence I run
             N 0°03'W. bet.secs.17 and 18.
             Over level land thru dense underbrush.
         Wash, 120 1ks. wide, course SE.
37.20
             set a malpais stone, 18x12x6ins., 12ins. in the ground,
40.00
         for \frac{1}{4} sec. cor., marked \frac{1}{4} on w.face; dig pits, 18X18X12ins.
         N. and S. of stone, 3ft. dist.; and raise a mound of earth,
         3½ ft.base, 1½ ft.high, w. of cor.
             Set a malpais stone, 24X12X12ins., 18ins.in the ground,
80.00
         for cor. of secs. 7,8,17 and 18, marked with & notches on
         S.and 5 notches on E.edge; dig pits, 18x18x12ins., in each
         sec, 52 ft.dist.; and raise a mound of earth, 4ft. base,
         2ft.high, w. of cor.
             Land, level.
             Soil, gravelly; 2nd rate.
             No timber.
             Underbrush, greasewood, sage and cacti.
             Land covered with dense underbrush, and on account
         of the scarcity of water and other reasons more fully
         explained at the end of these notes, exceptionally
         difficult to survey, 80.00 chs.

At this cor. I set off 18°45 s. on the delc. arc and
         observe the sun on the meridian at noon; the resulting
         lat.is 35°08 N.
             Thence I run
             S 89'51'E. on random line bet.secs.8 and 17.
         Set temp. 2 sec. cor. Intersect the N. and S. line, 7 lks. S. of the cor. of sec
40.00
80.04
         8,9,16 and 17.
             Thence I run
             N 89°54'W. on true line bet.secs.8 and 17.
             Over level land thru dense underbrush.
         Wash, 10 lks. wide, course SW.
 4.45
         Wash, 10 lks. wide, course SW.
10.00
          Wash, 10 lks. wide, course SW.
12.80
          Wash, 15 lks. wide, course SW.
15.80
         wash, 70 lks. wide, course S.
27.00
28.00
         Wash, 60 lks. wide, course S.
         Intset a malpais stone, 18x8x6ins., 12ins.in the ground, for \( \frac{1}{4} \) sec. cor., marked \( \frac{1}{4} \) on N.face; dig pits, 18x18x12ins. E. and W. of stone, 3ft. dist.; and raise a mound of earth
40.02
          3 ft.base, l ft.high, N. of cor.
          The cor. of secs. 7,8,17 and 18.
80.04
             Land, level.
             Soil, gravelly; 2nd rate.
             No timber.
             Underbrush, greasewood, catclaw, sage and cacti.
             Land covered with dense underbrush, and on account of
          the scarcity of water and other reasons more fully
          explained at the end of these notes, exceptionally diff-
          icult to survey, 80.04 chs.
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_		Subdivision of Tp.20 N., Rg.18 West.
	chains,	
	VIII CONTRACTOR	Thence I run
		west bet.secs.7 and 18.
		0 er level land thru dense underbrush.
	11.50	Wash, 300 1ks. wide, course S.
	19.45	Wash, 25 lks. wide, course S.
	40.00	Set a malpais stone, 15x12x6ins., 10ins.in the ground,
		IOF 2 Sec. cormarked + on W. face: dig nits 187187191ne
		E.and W. of stone, 3ft. dist.; and raise a mound of earth 32 ft.base, 12 ft.high, N. of cor.
	68.00	Wash, 20 1ks. wide, course SE.
	75.00	Wash, 20 1ks. wide, course SE.
	76.00	Wash, 20 1ks. wide, course SE.
	78.95	Intersect the 5th Guide Meridian 98 1ks.S. of the cor.
		or secs. 12 and 13, which is a stone marked and witnessed
		as described by the Surveyor General I destroy the nits
		to the SE.and NE.and redig the pits to the NW, and SW.,
		and build mound of earth, 4ft. base, 2ft. high, W. of cor.
		Set a malpais stone, 18x10x8ins., 12ins.in the ground, for closing cor of secs. 7 and 18, marked CC on E., with
		4 grooves on S., and 2 grooves on N.face; dig pits,
		24X18X12ins., crosswise on each line, Wfand S., 3ft., and
		E. of stone 7ft.dist.; and raise a mound of earth,4ft.
		base, 2ft. high, E. of cor.
		Land, level.
	1	Soil, gravelly; 2nd rate.
		No timber.
		Underbrush, grease wood, sage and cacti.
		Land covered with dense underbrush, and on account
		of the scarcity of water and other reasons more fully
		explained at the end of these notes, exceptionally difficult to survey, 78.95 chs,
		January 25,1910.
		January 29,1910.
		Western the transfer to the transfer of the tr
		January 27; At 8h 00m.,a.m.,l.m.t., I set off 18°31'
		S. on the decl.arc; 35°08'N. on the lat.arc and deter-
		mine a meridian with the solar at the cor. of secs.7.
		8.17 and 18.
		Thence I run N 0'03'W. bet.secs.7 and 8.
	,	Over level land thru dense underbrush.
	27.35	Wash, 50 lks. wide, course Sw.
	33.45	Wash, 30 lks. wide, course Sw.
	40.00	Set a malpais stone.18x8x6ins12ins.in the ground
		ror 4 sec. cor., marked 4 on W.face: dig rits. 18x18x12ing.
		N: and S. of Stone, 3ft. dist.: and raise a mound of earth
	80.00	3½ ft.base, 1½ ft.high, W. of cor.
	00.00	Set a malpais stone, 18x10x8in ., 12ins.in the ground,
	1	for cor. of secs. 5,6,7, and 8, marked with 5 notches on S. and E. edges; dig pits, 18x18x12ins., in each sec. 51 ft
		dist.; and raise a mound of earth, 4ft. base, 2ft. high,
		W. of cor.
		Land, level.
		Soil, gravelly; 2nd rate.
		No tinber.
		Underbrush, grease wood, sage and cacti.
	į	Land covered with loose rocks and dense underbrush,
		and on account of the scarcity of water an other reas- ons more fully explained at the end of these notes,
	1	exceptionally difficult to survey, 80.00 chs.
		S S S S S S S S S S S S S S S S S S S
	•	
		Thence I run
		S 89°54'E. on Trandom line bet. secs. 5 and 8.
	40.00	
	80.00	Intersect the N.and S. line 5 lks.S. of the cor. of
		anne a l'orana o
	. !	secs.4,5,8and 9.
		Thence I run
		Thence I run N 89°56'W. on true line bet.secs.5 and 8.
	14.00	Thence I run

14.00 Leave dense underbrush, bears W. and S.

#### BOOK 2194 Subdivision of Tp.20 N., Rg. 18 West. chains. 14.90 wash, 60 lks. wide, course S. Enter dense underbrush, bears N. and S. 20.00 set a malpais stone, 15x8x6ins., 10ins.in the ground, 40.00 for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 18x18x12ins E. and W.of stone, 3ft. dist.; and raise a mound of earth, 31 ft, base, 11 ft, high, N. of cor. wash, 15 lks. wide, course S. 66.00 80.00 The cor. of secs.5,6,7 and 8. Land, level. Soil, gravelly; 2nd rate. No timber. Underbrush, grease wood, sage and cacti. Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, %4.00 chs. At this cor. I set off 18°30½ S. on the decl.arc; and observe the sun on the meridian at noon; the resulting lat.is 35°08 1N./ Thence I run West bet.secs.6 and 7. Over slightly rolling land thru dense underbrush. wash, 200 lks.wide, course S. 29.40 Set e malpais stone, 18X10X8ins., 12ins. in the ground for \(\frac{1}{4}\) sec. cor., marked \(\frac{1}{4}\) on N. face; dig pits, 18X18X12ins. E. and W. of stone, 3ft. dist.; and raise a mound of earth \(3\frac{1}{2}\) ft. base, 1\(\frac{1}{2}\) ft. high, N. of cor. 40.00 wash, 30 lks. wide, course SE. 56.80 wash, 20 lks. wide, course SE. 64.40 Intersect the 5th Guide Meridian 1.14 chs.S. of the cor. 79.00 of secs.1 and 12, which is a stone, marked and witnessed as described by the Surveyor General; I destroy the pits to the NE. and SE. and redig pits to the NW. and SW., and rebuild mound of earth, 4ft. base, 2ft high, w. of cor. Set a malpais stone, 18x8x6ins., 12ins.in the ground, for closing sor, of secs. 6 and 7, marked CC on E., with 5 grooves on S.and 1 groove on N.face; dig pits,24X18X12 ins., crosswise or each line, w. and S. 3ft. and E. of stone,7 ft.dist.; and raise a mound of earth,4ft.base, 2ft.high, E. of cor. Land, rolling. Soil, gravelly; 3rd rate. No timber. Underbrush, greasewood, sage and cacti. Rolling land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 79.00 chs. Thence I run N $0^{\circ}03$ 'W. bet.secs.5 and 6. Over level land thru dense underbrush. Wash, 30 lks. wide, course SE. 12.00 Set a malpais stone, 18X10X6ins., 12ins.in the ground, 40.00 for pecocore; marked 1 on W.face; dig pits, 18X18X12ins.

N. and S. of stone, 3ft. dist.; and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, w. of cor.

81.42

Intersect the 5th Standard Parallel N., 4.22 chs. W. of standard 4 cor. on S. bdy. of sec. 32, which is a stone, marked and witnessed as described by the surveyor Genera

set a malpais stone, 24x12x8ins., 18ins. in the ground, for closing cor. of secs. 5 and 6, marked CC on S., with 5 grooves on E., and 1 groove on W. face; dig pits, 24 X18X12ins., crosswise on each line, E. and W. 3ft., and S. of stone,7ft.dist.; and raise a mound of earth,4ft. base, 2ft. high, S. of cor.

chains.

Land, level. Soil, gravelly; 2nd rate. No timber.

Underbrush, greasewood, sage and cacti.

Land covered with dense underbrush, and on account of the scarcity of water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 81.42 chs.

January 27,1910.

STIMMARY

This township is rolling and level land, covered with loose rocks and dense underbrush. The soil, is rocky and gravelly 2nd and 3rd rate.

No settlers.

There is no water within this Tp. and in order to get. water while surveying this Tp. it was necessary to go a distance of 14 miles. The length of this haul for water, 28 miles to a trip, kept an extra team, wagon and man busy all the time. As it was necessary to make a road from each camp to the road on which the tank we obtained water from was located, and the fact that we had to keep 3 barrels of water on hand for camp use, camp team and line team, it was impossible to move camp to suit the work and I had to work the Tp. from one camp making long walks to and from work and materially cuttin down the number of miles run in a day.

A large part of this Tp., although covered with loose rocks, aid not have stones large enough to use for cor. rocks, and knowing that the most essental part of a survey is the establishment of cors. which will not be easily destroyed, I employed an extra team, wagon and man to haul rocks for corners, in preference to setting mound of earth with deposits and stake in pit, which would have been , easier, and cost less but would have soon been obliterated. The avarage haul for rocks was 5 miles and kept the line team busy at all times.

The heavy snowfall here in the early winter had rotted out the grass, so I had to buy and haul hay from Kingman to feed the extra teams made necessary by the scarcity of water and hauling rocks for substantial corners.

The fact that the ground, covered by this Tp. is partly maximun, and the other part is nearly maximun, far worse than ordinary intermediate, and the extra expenses and troubles incurred in properly excuting the survey of this Tp., have made this Tp. very exceptionally difficult to survey, and I ask to be allowed those rates.

Fred W. Rodolf U. S. Defeuty Surryon

142 28

### FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.	
A list of the names of the individuals employed by Wild W. Ooz	dolf
, United States Deputy Surveyor, to assist in run	0
marking the lines and corners described in the foregoing field notes of the survey of	the Subdivision
lines of Wownship 10 North, Pange 18 West.	
showing the respective capacities in which they acted:	
W. P. Kerns.	, Chainman.
Berl Lyon	, Chainman.
Ralph R. Ellis	, Moundman.
	, Moundman.
R.M. Stark	, Axman.
J.M. Parker	
Leorge Newell	•
FINAL OATH OF ASSISTANTS.	•
We hereby certify that we assisted Qued W. Rodolf	
, and the state of	ovon in aunvovina ali
those parts or portions of the Subdivisor of Township :  Range 18 West	eyor, in surveying an
those parts or portions of the somewhow of the somewhole	co jurunc,
Mange 10 West	
·	У.Л -1
	of the Sula N
Salt Cina Base D meridian, Penitory of arizona,	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 faithfu corner monuments established, according to the instructions furnished by the Ur	•
General for anyona	·
a. P. Kumo	<i>Cl.</i>
Reduced	0.7
1 Sirtyon	, Chainman.
RappREllis.	
	, Moundman.
The Of	,
e MIL OUTKET	,
	,
George Newell	,
TM Parker George Newell	,
Subscribed and sworn to before me this $Z$	,
	,

210A FINAL OATH OF UNITED	STATES DEPUTY SURVEYOR.
1, Ox sed W. Godolf	, United States Deputy Surveyor, do
Д	
	, bearing date of the
proper person, and in strict conformity with the	1909, I have well, faithfully, and truly, in my own instructions furnished by the United States Surveyor Manual of Surveying Instructions, and the laws of the as of the Subdivision lines of the Subdivision lines of
Voundings 20 Mour, 4 a	age 16 West.
	of the Glad Salt
Kirer Base V meridian, in the Gerrito	y of are represented in the
	me, and under my direction; and I do further solemnly
	en established and perpetuated in strict accordance with
	ecial written instructions of the United States Surveyor
	the specific manner described in the field notes, and that
the foregoing are the original field notes of such	
	(2) 1-15 (2) 1 11
	Great . Today
	United States Deputy Surveyor
A W PIN	$\theta$
Subscribed by said Jack Codalf	and sworn to before me)
this 27 day of Capril	, 19\$/0
and nomination empirical America 29, 1914	India 1
nonconomic and a second	1 could
Č SEAL Č GOGGGG	Violan Patrice
	mant ong all
APP	ROVAL. V.D. Qurryn Junes
	CTATES CUMUNOD SENDON
OFFICE OF THE UNITED	STATES SURVEYOR GENERAL,
	Their Cam Cues 10 140
The foregoing field notes of the survey of	The Outly seared line
11 Tp. DON. Cg. 18W.	I the Gila and Jalt (Re
Disched Mexicalism	anjour
	$\mathcal{O}$
·	
executed by Sed W. Words	of MI Deput Curren
	Warch 10 , 190 , having been
critically examined, and the necessary correction	ns and explanations made, the said field notes, and the
surveys they describe, are hereby approved.	$ \rho_{n}$
	Marik Hohnala
	United States Surveyor General
I certify that the foregoing transcript of th	e field notes of the above-described surveys in
, has been correct	tly copied from the original notes on file in this office.
	United States Surveyor General