4-679.

Dook B.

APR 28 1910

Cocapted Letter 6- 9/20/10.

BOOK 2193

## FIELD NOTES

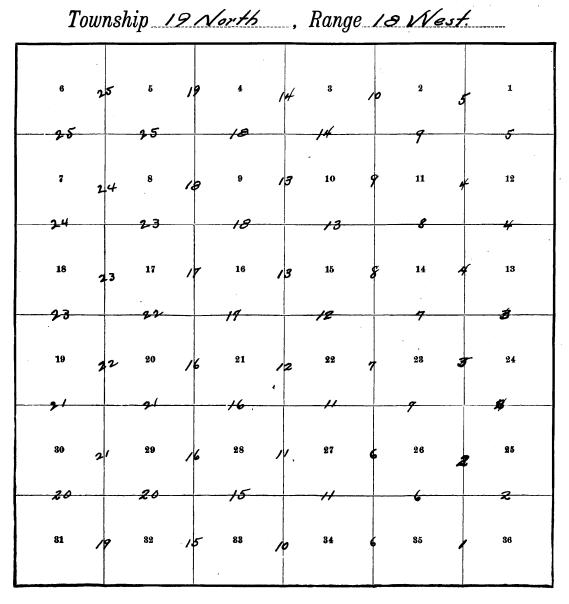
OF THE SURVEY OF THE

2193	2193
Subdivision Lines of Township	2
Subdivision Lines of Township 19 Worth, Range 18 West.	
	· .
·	
2193	
·	
of the Vila & Salt Piver Base & Meridian,	
in the Gerritory of arizona.	
AS SURVEYED BY	
Sed W. Godoff, United States Deputy	
Under his Contract No. 155, dated March 10	, 1909
Survey commenced December 28	•
Survey completed anuary /2	, 191 /0
2193	

 $B^{OOK}$  2193 NAMES AND DUTIES OF ASSISTANTS.

a.P. Kern	vo.	Chainman
Best Lyon	<b>4</b>	Chainman
Ralph P. C		Mound man
P. W. Stark		axman
J.M. Cark	w	axeman
George He	well	Elagman.
0		
<del></del>		

BCOK 2193 2193 INDEX DIAGRAM.



Meanders Page.....

BCOK 2193

#### PRELIMINARY OATHS OF ASSISTANTS.

WE, W. Kerno.	and Bert Lyon
do solemnly swear that we will well and faithfu	ally execute the duties of chainmen; that we will level the
	the tally pins, either by sticking or dropping the same; that
	objects, and the true lengths of all lines that we assist in
measuring, to the best of our skill and ability, an	d in accordance with instructions given us, in the survey of
the Subdinsion of Jowns	hyo 19 North, Pange 10 West.
$\nu$	a P King
	C. J. Jeans, Chainman.
	Chainman.
Subscribed and sworn to before me this	)
day of Secenter, 1909	
Established Co.	"Molary Public
*	not a Pulata
0 0 1110 -11	may i www
Wed, Ralph Rollis	and
	y perform the duties of moundmen in the establishment
of corners, according to the instructions given	us, to the best of our skill and ability, in the survey of
Subdivision of Cownship	19 North, Jange 10 West
<i>y</i>	19 Sorth, Pange 10 West.  Calp Collin, Moundman.
	, mounamin.
· · · · · · · · · · · · · · · · · · ·	, Mound $m$ a $n$ .
Subscribed and sworn to before me this	)
day of Lecember, 1909	S One of the same
-b. ut 'Eugeneg eighat usperimaaa Am	my evench
(A) SEAT (M) SEAT (M	With everich notury Public
WE, R.W. Stark.	and RM. Parker.
-	erform the duties of axmen in the establishment of corners
	us, to the best of our skill and ability, in the survey of
the Subdivision of 1/0. 19	
V	Axman.
	J'M Parker, Axman.
Subscribed and sworn to before me this	
day of Alecember , 1909	
My commission explose March SS, 1914	Merench
******* *****************************	motary Public
ly and m	·
	do solemnly swear that I will well and truly
perform the duties of flagman according to instr	uctions given me, to the best of my skill and ability, in the
survey of Me Subdivision of	D. of 19 North Jange 18 West
survey of the Subdivision of	6. I 19 North Pange 18 West George Mewell, Flagman.
·	
Subscribed and sworn to before me this	}
day of Alexander, 1909	) and
My commission SEAL SE, 1910	notary Police
	- / M / /

CHARGE BUILD

Survey commenced December 28,1909, and excuted with a Young and sons light mountain transit No.7532, with solar attachment. The horizontal limb is provided with double weriners placed oposite to each other and reading to single minutes of arc which is also the least count of the veriners of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Phoenix, found correct and approved by the Surv-

evor General for Arizona.
I examine the adjustments of the transit and find them correct; then to test the solar appratus by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian established by Polaris observations, I proceed as follows:-

At the cor.of secs.35 and 36 recently established by me, latitude 34°59'10"N., longtitude 114°07'W., I set Off 34°59'N. on the lat.arc; 23°13' 'S. on the decl.arc and at 4h 00m., p.m., l.m.t., determine a meridian with the solar and markon point thereof on a stone firmly set in the ground, 5 chs. N. of the cor.

December 28,1909.

December 29; At Oh. 5520, a.m., l.m.t., I observe Polaris at Western elongation in accordance with the Manualof Instructions, and mark a point in the line thus determined on a peg driven in the ground, 5 chs. N. of my station.

At 7h. 30m. a.m., l.m.t., I lay off the azimuth of polaris 1 26 east, and mark the meridian thus determined by a small groove in the rock set December 28, on which the meridian coincides with the meridian established by solar observetions.

At 8h 00m., a.m., l.m.t., I set off 34° 59'N. on the lat.arc; 23'''' S. on the decl.arc and mark a point in the meridian determined by the solar by a notch in the stone already set 5chs.N. of my station; this mark coincides with the meridian established by polaris observ ation.

The solar appratus; by a.m. and p.m. obserations de fines positions for meridians which coincide with the meridian established by polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h.30mm a.m.,l.m.t.,is N 15°02'W.; the angle thus determined gives the magnetic declination as 15°02'F.

Thence I run

N 0°01'W. bet.secs.35 and 36.

Over slightly rolling land covered with loose rocks thru dense underbrush.

Wash, 10 lks. wide, course SW. Over loose rocks.

Wash, 10 lks. wide, course SW. Over loose rocks. Wash, 15 lks. wide, course SW. Over loose rocks.

Set a malpais stone, 18x6x6ins., 12ins.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\$\frac{1}{2}\$ ft. high, W. of cor. Pits impraticable Wash, 250 lks. wide, course SW. Asc. over loose rocks. Top. of ridge, bears NE. and SW. Desc. over loose rocks. Wash, 10 lks. wide, course SW. Asc. over loose rocks.

Set a malpais stone, 20x10x6ins., 15ins.in the ground for cor. of secs. 25, 26, 35 and 36, marked with 1 notch on S, and E. edges.; and raise a mound of stone,2ft.base,  $1\frac{1}{2}$ ft.high W. of cor. Pits impraticable.

Land, rolling and mountainous.

Soil, stony, 3rd rate.

No timber.

Underbrush, greasewood, sage and catti.

Rolling and mountainous land covered with loose rocks

14.75 19.00 28.90 40.00

47.00 68.00 79.00 80.00

chains.	exceptionally dense underbrush, and on account of the
	exceptionally dense underbrush, and on a constant
	scarcity of the water and other reasons more fully
	explained at the end of these notes, exceptionally
	difficult to survey, 80.00 chs.
	dilizoni ob bul vojyo
	and the second s
	Thence I run
į	East on random line bet.secs.25 and 36.
40.00	and dawn 1 and cor
	Intersect E. bdy.of Tp.7 lks.S. of the cor. of secs.25
80.08	Intersect F. buy.or ip. Intersect
	30,31 and 36,
	Thence I run
	S 89° 57' w. on true line bet. secs. 25 and 36.
	Slowly descending over loose rocks thru exceptionally
	dense underbrush.
L	Wash, 250 lks.wide, course Sw. Over loose rocks.
28.00	Wash, 250 Iks. wide, course of the land in the ground for
40,04	set a malpais sone, 18x6x6ins., 12ins. in the ground, for
	1 sec. cor., marked 1 on N. face; and raise a mound of
	stone.2ft.base.l+ ft.high,N. or cor.Pits impraticable.
80.08	The cor. of secs.25,26,35 and 36.
00.00	Land, rolling.
	Soil, rocky; 3rd rate.
	No timber,
	Underbrush, greasewood, sage and cacti.
	Rolling land covered with loose rocks and exception-
	ally dense underbrush abd on account of the scarcity of
	water and other reasons more fully explained at the
	end of these notes, exceptionally difficult to survey,
	At this cor. I set off 25°/3's. on the decl. arc and
	observe the sun on the meridian at noon; the resulting
	ODSOLAG file affil off the mottatary of mottatary
	lat.is 35°00'N.
	Thence I run
	w o'ol'w, bet. secs. 25 and 26.
	Over rolling land covered with loose rocks thru
	exceptionally dense underbrush.
*_	exceptionally dense under the long rocks.
17.25	wash, 20 lks.wide, course sw. Over loose rocks.
23.50	wash, 20 lks. wide, course Sw. Over loose rocks.
40.00	set a malpais stone, 28x10x8ins., 2lins.in the ground
	for 1 sec. cor., marked 1 on w. face; and raise a mound
	of stone oft hame 14 ft. high. W. of cor. Pits impraticable
~ 4 30	wash one the wide course SW. Over 10085 FOCKS.
74.10	set a malpais stone, 20x8x6ins., 15ins. in the ground,
80.00	get a maipais sunciped with 2 notches
	for cor. of secs.23,24,25 and 26; marked with 2 notches
	on s. and 1 notch on the E. edge; and raise a mound of
	stone, 2ft. base, 1 ft. high, w. of cor. Pits impraticable.
i	Land, rolling.
	Soil, rocky; 3rd rate.
1	
	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 research more fully explained at the end of these
	notes, exceptionally difficult to survey, 80.00 mhs.
	Thence I run
	E 89° 57'E. on random line bet.secs.24 and 25.
40.00	Set temp. 1 sec. cor.
40.00	The support the H her of the 1 1 k N of the cor of sacs
80.10	Intersect the E. bay.of Tp. 1 1k.N. of the cor. of secs
	19,24,25 and 30.
	Thence I run
-	S 89°57'W. on true line bet.secs.24 and 25,
	clowly descend over loose rocks thru dense underprush
3.40	wash. 20 lks. wide. course SW. over 1008e rocks.
Į.	Wash, 20 1ks. wide, course SW. Over loose rocks.
30.50	Wash, SU Ika mido course ow Ower loage rocks.
39.85	Wash, 5 lks. wide, course SW. Over loose rocks.
40.05	set a mappais stone, 18x8x6ins., 12ins. in the ground,
	for \( \frac{1}{2} \) sec.cor., marked \( \frac{1}{2} \) on N. face; and raise a mound
1	
	and the second of the contract

Chains. of stone, 2ft, base, 1} ft.high, N. of cor. The cor. of secs. 23, 24, 25 and 26. 80.10

Lana, 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, 80.10 chs.

December 29,1909;

December 30; At 8h.00m.,a.m.,l.m.t.,I set off 23'07'S on the decl.arc; 335°01'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.23,24,25 and 26.

Thence I run

N  $0^{\circ}$   $01^{\prime}$  W, bet.sec. 23 and 24.

Over rolling land covered with loose rocks and dense underbrush.

10.00 Wash, 10 lks. wide, course SW. Over loose rocks.

40.00

Set a malpais stone, 24x12x10 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,  $1\frac{1}{2}$  ft. high, W. of cor. Pits impraticable.

Wash, 50 1ks. wide, course Sw. Over loose rocks. Wash, 10 1ks. widemcourse Sw. Over loose rocks. 54.80 79.50

80.00 Set a malpais stone, 24x12x10ins., 18ins.in the ground, for cor. of secs.13,14,23 and 24.marked with 3 notches on S. and 1 notch on E. edge; and raise a mound of stone, 2ft. base, 1 ft. high, W. of cor. Pits impratecable.

Land, Rolling.

Soil, rocky; 3rd rate.

No timber.

Underbrush, greasewood cacti and sage.

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, expentionally difficult to survey, 80.00 chs.

Thence I run

N 89° 57'E. on random line bet.secs.13 and 24.

40.00

40.06

Set temp. 1 sec.cor.
Intersect the E. bdy.of Tp.9 lks.N. of the cor. of secs 80.12 13,18,19 and 24.

Thence I run.

N 89 59'W. on true line bet.secs.13 and 24.

Slowly descend over loose rocks thru dense under-

Wash, 20 1ks. wide, course NW. Over loose rocks. 1.82

Same wash, course Sw. Over loose rocks. 13.18

Wash, 50 1ks. wide, course SW. Over loose rocks. 25.70.

Set a malpais stone, 20x8x6ins., 15ins.in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on M. face; and raise a mound of stone, 2ft. base, lt ft. high, N. of cor. Pits impraticable. Wash, 25 lks. wide, course Sw. Over loose rocks.

48.00

The cor of secs.13,14,23 and 24. Land.rolling. 80.12

Soil, rocky; 3rd rate.

No timber.

Underbrush, grease wood, sage and cacti.
Rolling land cowered with loose rocks and debse 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, 80.12.chs.
At this cor. I set off 23'09%'+S. on the decl. arc and observe the sun on the meridian at noon; the resulting

lat.is 35'02'N.

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Subdivision of Tp.19 N. Rg.18 West.
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chains.
               Thence I run
               N 0°01'W. bet.secs.13 and 14.
               Over slightly rolling land colored with loose rocks.
           and dense underbrush.
           Wash, 25 lks. wide, course SW.
 16.45
               Set a malpais stone, 20x8x6ins..15ins.in the ground, fr
 40.00
          1 sec.cor., marked 1 on W. face; dig pits, 18x18x12ins., N. and S. of scone, 3 ft. dist., and raise a mound of earth 21 ft. base, 12 ft. high, W. of cor.
          Wash, 20 lks. wide, course SW. Over loose rocks. Wash, 20 lks. wide, course SW. Over loose rocks.
 46.10
 55.00
               set a malpais stone, 18x10x8ins., 12ins.in the ground,
 80.00
           for cor. of secs.11 12,13 and 14.marked with 4 notches
           on the S. and I notch on the E. edge; and raise a mound
           of stone, 2ft. base, 12 ft. high, w. of cor. Pits impraticable
               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.
               Thence I run
               S 89°59'E. on r ndom line bet.secs.12 and 13.
           Set temp. \frac{1}{4} sec.cor. Intersect the E. bdy.of Tp.9 lks.s. of the cor.of secs.
  40.00
  80.10
           7,12 and 13 and 18.
               Thence I run
                S 89 571W. onttrucsline bet.secs.12 and 13.
               Slowly descend over loose rocks thru dense underbrush
            Wash, 20 1ks, wide, course SW. Over loose rocks.
  9.00
           Wash, 20 1ks. wide, course SW. Ower loose rocks.
  16.00
           Set a malpais stone, 24x6x6ins., 18ins.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 imptaticable.
  40.05
           The cor. of secs.11,12,13 and 14.
  80.10
                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 flifficult to survey, 80.10 chs.
                December 31: At 8h00m., a.m., l.m.t., I set off 2503' 5
            on the decl. arc; 35 022 N. on the det. arc, and determine
            a meridian with the solar at the cor. of secs. 11,12,13,14
Thende' Y. run; wso colin. abet leecs. 11 and 12.
Over slightly rolling land covered with loose rocks
thru descent and analysis of the core of secs. 11, 12, 13,14
            thru dense underbrush.
            Wash, 15 lks. wide, course SW. Over loose rocks.
    7.25
            Wash, 15 lks. wide, course SW. Over loose rocks. Wash, 20 lks. wide, course SW. Over loose rocks.
   17.00
  27.28
            Wash, 20 lks. wide, course SW. Over loose rocks. Wash, 20 lks. wide, course SW. Over loose rocks.
   30.50
   35.50
            Set a malpais stone, 18x12x6ins., 12ins.in the ground, for \(\frac{1}{4}\) sec.cor., marked \(\frac{1}{4}\) on W, face; dig pits 18x18z12ins.
   40.00
            N. and S. of stone, 3ft. dist., and raise a mound of earth, 32 ft. base, 12 ft. high W. of cor. wash, 15 lks. wide, course SW. Over loose rocks.
   57.60
            Wash, 15 lks. wide, course SW. Over loose rocks.
   60.17
            Set a malpais stone, 20x10x8ins., 15ins.in the ground, for
   80.00
            cor. of secs.1,2,11 and 12, marked with 5 notches on the
            S., and 1 notch on the E. edge.; dig pits, 18x18x12ins., in
            each secs. 52 ft. dist.; and raise a mound of earth, 4ft.
            base, 2ft. high, w. of cor.
Land, slightly rolli ng.
                soil, rocky; 3rd rate.
```

chains.

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 ressons more fully explained at the end of these notes, exception ally difficult to survey, 80.00 chs.

Thence I run N 89° 57'E. on random line bet.secs.l and 12.

40.00

get temp. 1 sec. cor. Intersect the E. bdy.of Tp.2 lks.3. of the cor. of secs 80.04 1,6,7 and 12.

Thence I run

S 89'56'W. on true line bet.secs.1 and 12.

Slowly descend over loose rocks thru dense underbrush Dry wash 15 lks. wide, course SW.

3.00

Wash, 15 1ks. wide, course Sw. Over loose rocks. 13.00

Wash, 20 1ks. wide, course Sw. Over loose rocks. 27.20

Set a malpais stone, 18x6x6ins., 12ins.in the ground, 40.02 for  $\frac{1}{4}$  sec.cor.. marked  $\frac{1}{4}$  on N. face; and raise a mound of stone, 2ft.base.  $1\frac{1}{7}$  ft.high, N. of cor. Pits impraticable

The cor. of secs.1,2,11 and 12. 80.04 Land, slightly rolling.

Soil, rocky; 3rd rate. No timber.

Underbrush, greasewood, sage, catclaw and cacti.

Land coevred 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, 80.04 chs.

At this cor. I set off 23°05' S. on the decl.arc; and observe the sun on the meridian; the resulting lat. is 35 03 'N.

Thence I run N. 0°01'W. on random line bet.secs.1 and 2.

40.00

Set temp. \( \frac{1}{4} \) sec. cor.

Intersect the N. bdy. of Tp.14 lks. \( \text{W}. \) of the cor. of secs 80.2 1,2,35 and 36.

Thence I run

S 0°05'W. on true line bet.secs.1 and 2.

Over nearly level land covered with loose rocks and dense underbrush.

wash, 15 lks. wide, course Sw. Over loose rocks. 2.85

wash, 50 lks. wide, course SW. Over loose rocks. 6.00

16.50

24.55

Wash, 20 lks. wide, course SW. Over loose rockq. Wash, 20 lks. wide, course SW. Over loose rocks. Wash, 20 lks. wide, course SW. Over loose rocks. 28.75

Set a malpais some, 1878x8ins., 12ins.in the ground, for 40.28 \$ sec.cor. marked \$\frac{1}{2}\$ on \(\Pi\).face; and raise a mound of stong 2ft.base, 1\$\frac{1}{2}\$ ft.high, \(\Pi\). of cor. Pits impraticable.

Wash, 15 1ks. wide, course SW. Over loose rocks. 45.70

55.00 Hend, in wash, 35 lks. wide, Comes from NW, course SW. Over loose rocks.

59.60 Same wash, 35 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. 70.75

73.00

The cor. of secs.1,2,11 and 12. 80.2**8**.

Land, nearly level.

Soil, rocky; 3rd rate.

No timber.

Underbrush, grease wood, 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, 80.28 chs.

BOOK 2193

62.30

80.00

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Subdivision of Tp.19 N., Rg.18 West.
              From the cor. of secs. 2,3,34 & 35 on the south bdy.
chains.
              I run
N 0°01'W. bet.secs.34 and 35.
              Over rolling and broken land covered with loose rocks
          thru dense underbrush.
         Wash, 500 lks.wide, course SW. Ascroverskoosekrocks.
Top of ridge, bears NE. and SW. Desc. over loose rocks.
 6.00
13.00
          Wash, 20 lks. wide, course Sw. Asc. over loose rocks.
21.60
          Top of ridge, bears NE. and Sw. Desc. over loose rocks.
28.00
          Wash, 20 lks. wide, course SW. Over loose rocks.
34.00
          get a maipais stone, 20x10x8ins., 15ins. in the ground, for
40.00
          1 sec.cor., marked 1 on w, face; and raise a mound of stone, 2ft. base, 12ft. high, w. of cor. Pits impraticable. wash, 10 lks. wide, course SE. Over loose rocks.
41.40
          same wash, course sw. Over loose rocks.
42.50
               cet a malapis stone, 24x12x10ins., 18ins.in the ground,
80.00
          for cor. of secs. 26,27,34 and 35, marked with 1 notch
          on S. and 2 notches on the E. edge; and raise a mound of stone, 2ft. base, 1 ft. high, w. of cor. Pits impraticable.
              Land, rolling and broken.
               Soil, rocky; 3rd rate.
               No timber.
          Underbrush, greasewood, sage and cacti.
Rolling and broken 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.
                                                          December 31,1909.
          January 1,1910; At 8h.00m.,a.m.,l.m.t.,I set off 22°58½'S. ontthe decl.arc; 35°00'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
               East on random line bet.secs.26 and 35.
          Set temp. \(\frac{1}{4}\) sec.cor.
Intersect the N. and S. line 7 lks.N. of the cor. of
40.00
79.96
           secs.25,26,35 and 36.
               Thence I run-
               N 89°57'W. on true line bet. secs. 26 and 35.
               Descend over loose rocks thru dense underbrush.
           Wash, 25 1ks. wide, course SW. Overloose rocks.
 14.00
           Wash, 20 1ks. wide, course SW. Over loose rocks. Wash, 15 1ks. wide, course SW. Over loose rocks.
 24.45
 35.10
           set a malpais stone, 18x6x6ins., 12ins.in the ground, for
 39.98
           $\frac{1}{2}$ 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. wash, 25 lks. wide, course SW. Over loose rocks.
 78.20
           The cor. of secs. 26,27,34 and 35.
 79.96
               Land, mountainous.
                Soil, rocky; 3rd rate.
               No timber.
               Underbrush, greasewood, sage and cacti.
           Mountainous 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 T. runt ....
                N 0°01'W. bet.secs. 26 and 27.
                Over slightly rolling land covered with loose rocks
            thru dense underbrush.
            Wash.10 1ks.wide, course SW. Over loose rocks.
 14.00
                Set a malpais tone 24x8x6ins., 18ins.in the ground, for
 40.00
           ½ sec.cor., marked ½ on W. face; and raise a mound of stone, 2ft. base, 12 fthigh, W. of cor. Pits impraticable.
           Wash, 25 lks. wide, course SW. Over loose rocks Wash, 10 lks. wide, course SW. Over loose rocks.
 51.10
```

Set a malpais stone 24x12x12ins., 18ins.in the ground,

for cor. of secs. 22, 25, 26 and 27, marked with 2 notches

chains.

on S. and E. edges; and raise a mound of stone, 2ft. base, 14 ft. high, w. of cor. Pits impraticable. 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 explianed at the end of these notes, excepti-

onally difficult to survey, 80.00 chs.
At this cor. I set off 23°00 s. on the decl. arc and observe the sun on the meridian at noon; the resulting

lat.18 35°01'N.

Thence I run

S 89° 57'E. on random line bet.secs.23 and 26.

40.00

Set temp.  $\frac{1}{4}$  sec. cor. Intersect the N. and S. line 2 lks. N. of the cor. of secs. 79.96 23,24,25 and 26.

Thence I run.

N 89° 56'W. on true line bet. secs. 23 and 26.

Descend over rolling land covered with loose rocks thru dense underbrush.

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

39.98 set a malmais stone, 18x6x6ins., 12ins. 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. 22,23,26 and 27.

79.96

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 ende of these notes, exceptionally difficult to survey, 79.96 chs.

Thence I run

N 0°01'W. bet.secs.22 and 23.

Over slightly rolling land covered with loose rocks thru dense underbrush.

21.50 Wash, 300 lks. wide, course SW. Over loose rocks.

Set a malpais stone, 18X6X6ins., 12ins.in the ground, for \(\frac{1}{4}\) sec.cor., marked \(\frac{1}{2}\) on W. face; and raise a mound of stone, 2ft. base, 1\(\frac{1}{2}\) ft. high, W. of cor. Pitsimpraticable. 40.00

43.70 Wash, 200 lks. wide, course SW. Over loose rocks.

80.00 Set a malpais stone, 20X12X6ins., 15ins.in the ground, for cor. of secs.14,15,22 and 23, marked with 2 notches on E. and 3 notches on S. edge; dig pits, 18x18x12ins., in each sec. . 5 ft. dist.; and raise a mound of earth, 4ft

base, 2ft. high, w. of cor. Land, slightly rolling.

Soil, rocky; 3md 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. January 1,1910.

Jandary 2; At 8h00m.a.m., l.m.t., I set off 22 552 on the decl.arc; 35 02'N. on the lat.arc and determine a meridian with the solar at the cor. of secs.14,15,22

40.00

Thence I run S 89°56'E. on random line bet.ses.14 and 23. Set temp.  $\frac{1}{4}$  sec.cor.

BOOK 2193

Subdivision of Tp. 19 N., Rg. 18 West.

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chains.
         Intersect the M. and S. line 5 lks. S. of the cor. of
79.94
         secs. 13,14,23 and 24.
             Thence I tun
             N 89°58'w. on true line bet. secs. 14 and 23.
             Over slightly rolling land covered with loose rocks
         thru dense underbrush.
         wash, 10 lks. ide, course sw. Over loose rocks.
 2.00
         Wash, 25 lks. wide, course, SW. Over loose rocks.
32.20
         Same wash, course NW. Over loose rocks.
34.25
         Set a malpais stone, 28x10x8ins., 2lins.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.
39.97
         Wash, 25 lks. wide, course SW. Over loose rocks. Wash, 150 lks. wide, course SW. Over loose rocks
47.00
53.00
          The cor. of secs.14,15,22 and 23.
79.94
              Land, slightly 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, 79.94 chs.
             Thence I run
             N 0°01'W. bet.secs.14 and 15.
              Over slightly rolling land thru exceptionally dense
         underbrush.
         Wash, 25 lks. wide, course SW.
10.50
              set a malpais stone, 20X6X6ins., 15ins.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
          3 ft.base, 1 ft.high, w. of cor.
              Set a malpais stone, 20x10x6ins., 15ins.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; dig pits,18x18x12ins., in each sec.5 ft.dist.; and raise a mound of earth,
          4ft.base,2ft.high, w. of cor.
              Land, slightly rolling.
              Soil, gravelly; 2nd rate.
              Mo timber.
              Underbrush, grease wood, sage, catclaw and cacti.
              Rolling land coverde with exceptionally 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 22°55½'S on the decl.arc, and
          observe the sun on the meridian at noon; the resulting
          lat.is 35° Q$ N.
              Thence I run
              S 89°58'E. on random line bet.secs.11 and 14.
          Set temp. \frac{1}{4} sec. cor. Intersect the N. and S. line 3 lks. N. of the cor. of secs.
 40.00
 79.88
          11,12,13 and 14.
              Thence I run
              N 89° 57' W. on true line bet. secs. 11 and 14.
              Over slightly rolling land covered with loose rocks
          thru dense underbrush.
          Wash, 20 1ks. wide, course SW. Over loose rocks.
 8.00
          Wash, 20 lks. wide, course SW. Over loose rocks.
 20.20
          Wash, 20 lks. wide, course SW. Over looserocks.
 24.00
          Bend in same wash, comes from NW. flows to the Sw. Over
 30.00
          loose rocks.
              Set a malpais stone, 18 x8 x8 ins', 12 ins. in the ground,
 39.94
          for \frac{1}{2} 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
          31 ft.base, 14 ft.high, N. of cor.
         wash, 25 lks. wide, course Sw. Over loose rocks.
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Subdivision of Tp.19 N., Rg.18 West. chains. Wash, 25 lks. wide, course SW. Over loose rocks. 50.00 Wash, 25 lks. wide, course SW. Over loose rocks. 53.35 The cor. of secs. 10, 11, 14 and 15. 79.88 Land, slightly 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 reasone 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.10 and 11. Over slightly rolling land thru exceptionally dense underbrush. 8.60 Wash, 20 1ks. wide, course SW. 14.45 Wash, 20 1ks. wide, course SW. Set a malpais stone, 18X6X6 ins., 12 ins. in the ground, for  $\frac{1}{2}$  sec. cor., marked  $\frac{1}{4}$  om W. face; dig pits, 18X18X12 ins 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. 40.00 48.00 Wash, 10 lks. wide, course SW. Wash, 20 lks. wide, course SW. Wash, 20 lks. wide, course SW. 53.70 61.10 70.00 Wash, 15 1ks. wide, course SW. Set a malpais stone, 18X6X6ins., 12ins.in the ground, 80.00 for cor. of wees. 2,3,10 and 11, marked with 5 notches on S. and 2 notches on E. edges; dig pits, 18X18X12ins., in each sec. 52 ft.dist.; and raise a mound of carth, 4ft. base, 2ft. high, W. of cor. Land, slightly rolling. Soil, rocky and gravelly; 2nd rate, No timber. Underbrush, greasewood, sage and cacti. Rolling land covered with exceptionally dense under-brush, and on account of the scarcity of water and other reasons more fully explianed at the end of these notes, exceptionally difficult to survey, 80.00 chs. January, 2, 1910. January 3; At 8h 00m., a.m., l.m.t., I set off22 48'S. on the decl.arc; 35'03k'N. on the lat.arc and determine a meridian with the solar at the cor. of secs. 2,3,10 and 11. Thence I run. S 89°57'E. on random line bet.secs.2 and 11. Set temp. 1/4 sec. cor.
Intersect the N. and S. line 4 lks. N. of the cor. of secs 40.00 79.82 1,2,11 and 12. Thence I run N 89'55'W. on true line bet.secs.2 and 11. Slowly descend over loose rocks thru dense underbrush. Wash, 20 lks. wide, course SW. Over loose rocks. Wash, 20 lks. wide, course SW. Over loose rocks. 11.70 30.15 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 39.91 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, 40 lks. wide, course SW. Over loose rocks. 44.30 The cor. of secs.2,3,10 and 11. 79.82 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 779.82 chs.

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Subdivision of Tp. 19 N. Rg. 18 West
chains
            Thence I run
            N 0°0114 cm random line bet. secs. 2 and 3.
        Set temp. \(\frac{1}{4}\) sec.cor.
Intersect the N. bdy.of Tp.9 lks.E. of the cor. of secs.
40.00
80.40
        273784 and 35.
            Thence I run
             S 0°05'E. on true line bet.secs.2 and 3.
            Over slightly rolling land thru exceptionally dehse
         underbrush.
         Wash, 15 lks.wide, course SW. Wash, 15 lks.wide, course SW.
 1.15
 5.00
         Wash, 15 lks. wide, course SW.
 7.00
         Wash, 15 lks. wide, course SW.
24.40
         Wash, 15 lks. wide, course SW.
30.00
             Set a malpais stone, 18x8x6ins., 12ins., in the ground
40.40
        or 4 sec. cor.marked 4 on W. face; dig pits, 18x18x12ins...
Neand S. of stone, 3ft.dist.; and raise a mound of earth,
34 ft.base, 14 ft.high, W. of cor.
Wash, 15 lks.wide, course SW.
45.15
         Wash, 15 lks. tide, course SW.
50.00
         Wash, 50 lks. wide, course SW.
53.00
         Wash, 15 lks. wide, course SW.
63.90
         Wash, 15 lks.wide, course SW.
The cor. of secs. 2,3,10 and 11.
77.20
80.40
             Land, slightly rolling.
             Soil, gravelly and stony; 2nd and 3rd rate.
             No timber.
             Underbrush, gweasewood, 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, 80.40 chs.
             At this cor. I set off 22°50 S. on the decl. arc and
         observe the sun on the meridian at noon; the resulting
         lat.is 35° 032'N.
            From the cor. of secs. 3.4.33 & 34 on the south bdy.
            N 0°02'W. bet.secs.33 and 34.
            Over rolling and broken land covered with loose rocks
         and dense underbrush.
        Wash, 10 lks. wide, course SW. Over loose rocks. Wash, 15 lks. wide, course SW. Asc. o per loose rocks.
10.25
16.00
        Top of ridge, bears NE. and SW. Desc. over loose rocks.
26:00
        Wash, 20 lks. wide, course SW. Asc. over loose rocks.
27.50
            Set a malpais stone, 18x10x6ins., 12ins.in the ground
40.00
        for \( \frac{1}{4} \) 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. Top of ridge, bears NE. and SW. Desc. o \( \frac{1}{2} \) loose rocks.
41.00
         wash, 15 lks. wide, course Sw. Asc. steep slope over loose
46.95
         rocks.
        rop of ridge, bears NE. and Sw. Desc. steep slope covered
64.00
         with loose rocks.
        Leave rocks. across wash bottom.
79.00
             Set a malpais stone, 18x12x6ins., 12ins.in the ground
80.00
         for cor. of secs. 27,28,33 and 34, marked with 1 notch 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 and mountainous.
             Soil, rocky; 3rd rate.
             No timber.
             Underbrush, greasewood, catclaw, sage and cacti.
             Rolling and mountainous 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.
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Subdivision of Tp.19 N., Rg.18 west.
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Thence I run
               East on random line bet.secs.27 and 34.
           Set temp. \frac{1}{4} sec.cor. Intersect the N. and S. line 7 lks. M. of the cor. of secs.
 40.00
 79.96
           26.27,34 and 35.
               Thence I run
               N 89°57'W. on true line bet.secs.27 and 34.
               Over slightly rolling land covered with loose rocks
           and dense underbrush.
20.209
           Wash, 15 lks. wide, course SW. Ascrover doosek rocks.
 24.00
           Top of ridge, bears NE. and SW. Desc. over loose rocks.
           Set 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
 39.98
           32 ft.base, 12 ft.high, N. of cor.
41.00
           Wash, 10 lks. wide, course SW. Over loose rocks.
           The cor. of secs. 27,28,33 and 34.
79.96
               Land, rolling and mountainous. Soil, rocky; 3rd rate.
               No timber.
               Underbrush, greasewood, sage, cacti.
               Rolling and mountainous 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.
                                                       January 3,1910.
           January 4; At 8h.00m., a.m., l.m.t., I set off 22 42's. on the deat.arc; 35°00'N. on the lat.arc and determine a meridian with the solar at the corl of secs.27,28,
           33 and 34.
               Thence I run
               N 0^{\circ}02^{\circ}W. bet.secs.27 and 28.
               Over broken and rolling land covered with loose rocks
           thru dense underbrush.
           Wash, 40 lks. wide, course SW. Asc. over loose rocks.
 1.20
22.00
           Over nearly level land covered with loose rocks.
          Set a malpais stone, 18x8x6ins., 12ins.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\( \frac{1}{2} \) ft. high, W. of cor. Pits impraticable
40.00
64.00
           Wash, 10 lks. wide, course SW. Over loose rocks.
80.00
              Set a malpais stone, 18x8x6ins., 12ins.in the ground,
          for cor. of secs.21,22,27 and 28, marked with 2 notches
          on the 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 and nearly level.
              Soil, rocky; 3rd nate.
              No timber.
              Underbrush, greasewood, sage and aacti.
              Land covered with loose rocks and dense underbrush,
          and on account of the scarcity of the 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. 22 and 27.
          Set temp. \(\frac{1}{4}\) sec.cor.
Intersect the N.and S.line 2 lks.S. of the cor. of secs.
40.00
79.92
          22.23,26 and 27.
              Thence I run
              N 89'58'W. on true line bet.secs.22 and 27.
              Desc.over slightly rolling land covered with loose
         rocks thru dense underbrush.
          Wash, 10 lks. wide, course SW. Over loose rocks. Wash, 30 lks. wide, course SW. Over loose rocks.
22.00
33.36
39.96
          Set a malpais stone, 18x8x6ins., 12ins.in the ground, for \( \frac{1}{4} \) sec.cor., marked \( \frac{1}{4} \) on N. face; and raise a mound of
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stone, 2ft base, 14 ft, high, N. of cor. Pits impraticable

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wash, 15 lks. wide, course S. Over loose rocks.
43.00
58.00
        Wash, 40 lks. wide, course SW. Over loose rocks.
        The cor. of secs. 21,22,27 and 28.
79.92
            Land, rolling.
            Soil, rocky; 3rd rate.
            No timber.
            Underbrush, greasewood, sage and cacti.
            Rolling land cowered 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, 79.92 chs.
            At this cor. I set off 22°44'S, on the decl.arc; and
         observe the sun on the meridian at noon; the resulting
         lat.is 35°01'N./
            Thence I run
            N 0°02'W. bet.secs.21 and 22.
            Over slightly rolling land covered with loose rocks
        thru dense underbrush.
14.20
        Wash. 10 1ks. wide, course SW. Over loose rocks.
        Wash, 10 lks. wide, course SW. Over loose rocks.
18.90
40.00
            Set a malpais stone, 24X8X8ins., 18ins.in the ground,
         for 1 sec. cor., marked 1 on W. face; and raise a mound of stone, 2ft. base, 12ft. high, W. of cor. Pits impraticable.
        wash, 10 lks. wide, course SW. Over loose rocks.
43.00
        Wash, 10 1ks. wide, course SW. Over loose rocks.
64.00
80.00
            set a malpais stone, 15x8x8ins., 10ins. in the ground,
         for cor. of secs. 15, 16, 21 and 22, marked 19 N on NE, and
        18 W on SE., face with 3 notches on S. and E. edges; dig pits, 18 \times 18 \times 12 \times 18, in each sec. 5\frac{1}{2} ft. dist., and raise a
         mound of earth, aft. base, 2ft. high, w. of cor.
            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, 80.00 chs.
             Thence I run
             S 89'58'E. on random line bet, secs. 15 and 22.
         Set temp. \frac{1}{4} sec.cor. Intersect the N.and S. line 14 lks.S. of the cor. of sec
 40.00
 79.88
         14,15,22 and 23.
             Thence I run
             S 89' 56' W. on true line bet.secs.15 and 22.
         Over slightly rolling land thru dense underbrush. Wash, 20 lks. wide, course SW.
  5.85
 39.94
             Set a malpais stone, 18x8x6ins., 12ins.in the ground,
         for \frac{1}{4} sec.cor..marked \frac{1}{4} on N.face; dig pits,18x12ins 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, 20 lks. wide, course Sw. wash, 20 lks. wide, course Sw.
 54.15
67.90
         The cor. of secs.15,16.21 and 22.
 79.88
             Land, slightly folling.
             Soil, gravelly; 2nd rate.
             No timber.
             Underbrush, grease wood, sage and cacti. and catclaw.
             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, excepti-
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onally difficult to survey,79.88 chs.

January 4,1910.

Subdivision of Tp.19 N., Rg.18 West. chains. Jamuary 5; At 8h 00m., a.m., l.m.t., I set off 22 36's. on the declarre; 35°02'N. on the lat. arc and determins a meridian with the solar at the cor. of secs. 15, 16, 21 Thence I run N 0°02'W. bet.secs.15 and 16. Over level land thru exceptionally dense underbrush. Wash, 10 lks. wide, course SW.

30.25 40.00

Set a malpais stone, 18x6x6ins., 12ins.in the ground, for \( \frac{1}{4} \) sec.cor., marked \( \frac{1}{4} \) on \( \text{W}. \) face; dig pits, \( \frac{1}{4} \) x18x18x12ins M. and S' of stone, 3ft. dist.; and raise a mound of

earth, 3 ft. base, 1 ft. high, w. of cor.

Wash, 10 lks. wide, course SW. Wash, 10 lks. wide, course SW. 52.20 73.60 Wash, 10 lks. wide, course SW. 79.00

80.00

Set a malpais stone, 18X7X6ins., 12ins.in the ground, for cor. of secs.9,10,15 and 16, marked with 4 notches on S. and 3 notches on E. edges'dig pits,18X18X12ins.. in each sec.5; ft.dist.; and raise a mound of capth, 4ft.base,2ft.high, W. of cor.

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

Underbrush, grease wood, 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, 80.00 chs.

Thence I run

N 89°56'E. on random line bet.secs.10 and 15.

Set temp. \(\frac{1}{4}\) sec.cor.
Intersect the N.and S. line, 2 lks.S. of the cor. of secs. 40.00 79.92 10,11,14 and 15.

Thence I run

S 89°55'w. on true line bet. secs. 10 and 15.

Over nearly level land thru exceptionally dense underbrush.

Wash, 10 lks. wide, course SW. 11.10 wash, 15 lks. wide, course Sw. 14.90 wa h,10 lks.wide,course Sw. 18.60.

Set a malpais stone, 18x6x6 ins., 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; dig pits, 18x18x12 ins 39.96 E.and W. of stone, aft, dist.; and raise a mound of earth 31 ft. base, 14 ft. high, N. of cor.

The cor. of secs.9,10,15 and 16. 79.92

Land, nearly level. Soil, gravelly; 3rd rate.

No timber.

Underbrush, grease wood, 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, excepti-

onally difficult to survey, 79.92 chs.
At this cor. I set off 22°37 18. on the decl. arc and observe the sun on the meridian at noon; the resulting lat.is 35° 02½ N.

Thence I run

N 0°02'W. bet.secs.9 and 10'

Over nearly level land thru exceptionally dense underbrush.

Wash, 20 lks. wide, course SW. 11.65 20.25

Wash, 20 lks. wide, course SW.

Wash, 20 lks. wide, course SW. 33.45 40.00

set a malpais stone, 18 X8 X6 ins, 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; dig pits, 18x18x12ins., W. and S. of stone, 3ft. dist.; and raise amound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, w. of cor.

80.69

The cor. of secs, 3,4,9 and 10,

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<u>Quhdivision of Th</u>
                                            JON Pa
chains.
43.00
         Wash, 20 lks. wide, course SW.
45.90
        Wash, 20 lks. wide, course SW.
69.35
         Wash, 20 lks. wide, course SW.
             set a malpais stone, 24X8X8ins., 18ins. in the ground,
30.00
         for cor. of secs. 3,4,9 and 10, marked with 5 notches on
         s and 3 notches on E.edge; dig pitsm18X18X12ins.,in
         each sec. 52 ft. dist.; and raise a mound of earth, 4ft.
         base 2ft.high, w. of cor.
             Land, nearly level.
             Soil, gravelly; 3rd rate.
             Md 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, 80.00 chs.
             Thence I run
             N 89° 55'E. on random line bet.secs.3 and 10.
         Set temp. # sec, cor.
Intersect the N.and S. line, 4 lks.S. of the cor. of secs
40.00
79.94
         2,3,10 and 11.
             Thence I run
             S 89°53'W. on true line bet.secs.3 and 10.
             Slowly descend thru exceptionally dense underbrush.
         Wash, 15 lks. wide, course SW.
  2.50
12.90
         Wash, 15 lks. wide, dourse SW.
18.35
         Wash, 15 lks. wide, course SW.
         Wash, 15 lks. wide, course SW.
24.15
         Set a malpais stone, 18 \times 6 \times 6 ins. 12 ins. in the ground, for \frac{1}{4} sec. cor., marked \frac{1}{4} on N. face; dig pits, 18 \times 18 \times 12 ins
39.97
         E.and W. of stone, 3ft. dist.; and raise a mound of earth
         3½ ft.base, 1½ ft.high, N. of cor.
49.00
         wash, 20 lks. wide, course SW.
         Wash, 35 lks. wide, course SW.
62.00
79.94
         The cor. of secs. 3,4,9 and 10.
             Land, rolling.
             Soil, gravelly; 3rd rate.
             No timber.
             Underbrush, greasewood, sage, and cacti.
         Rolling land covered with exceptionally 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, 79.94 chs.
                                                    January 5,1910.
         January 6; At 8h.00m.,a.m.,l.m.t.,I set off 22°29'S. on the decl.arc; 35°03\frac{1}{2}\text{N.on the lat.arc and determine a meridian with the solar at the cor. of secs.3,4,9 and
             Thence I run
N 0°02'W. of random line bet.secs.3 and 4.
 40.00
          Set temp. \frac{1}{4} sec. cor.
          Intersect the N.bdy.of Tp.10 lks.E. of the cor. of secs.
80.69
          3,4,33 and 34.
              Thence I run
              S 0'06'E. on true line bet.secs.3 and 4.
              Over level land thru exceptionally dense underbrush.
 25.70
          Wash, 15 lks. wide, course SW.
27.35
          Wash, 15 lks. wide, course SW.
          Wash, 15 lks. wide, course SW.
 30.70
              Set a malpais stone, 18x8x6ins., 12ins.in the ground,
40.69
         for 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, 1 ft. high, W. of cor. wash, 20 lks. wide, course SW.
 47.10
          Wash, 20 lks. wide, course SW.
67.20
73.50
         Wash, 20 lks. wide, course SW.
```

chains.

80.00

Land, level.

Soil, gravelly; 3rd rate.

No timber.

Underbrush, grease wood, sage and cacti, catclaw.

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, exceptionally difficult to survey, 80.69 chs.

From the cor. of secs. 4.5.32 & 33 on the south bdy, N 0°02'W. bet.secs.32 and 33.

and covered with loose rocks and dense underbrush.

1.15 Wash, 50 lks. wide, course SE. Asc. over loose rocks.

Top of ridge, bears NW. and SE. Desc. over loose rocks. 4.50

Wash, 10 lks. wide, course SE. Asc. over loose rocks. 8.00

13.00 Top of ridge, bears NW. and SE. Desc. over loose rocks.

Wash, 20 lks. wide, course SE. Asc. over loose rocks. 18.75

23.00 Top of ridge, bears NW. and SE. Desc. over loose rocks.

37.00 Wash, 60 lks. wide, course SE. Over loose rocks.

40.00 Set a malpais stone, 18%8 X8ins., 12ins. in the ground, for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on  $\Psi$ .face; and raise a mound of stone, 2ft.base,  $1\frac{1}{2}$ ft.high,  $\Psi$ . of cor. Pits impraticable.

Set a malpais stone, 18x8x6ins., 12ins.in the ground, for corr of secs. 28,29,32 and 33, marked with 1 notch on the S. and 4 notches on the E.edme.; and raise a mound of store, 2ft. base, la ft. high, w. of cor. Pits impraticabl Land, rolling.

Soil, rocky; 3rd and 4th rate.

No timber.

Underbrush, greasewood, catclaw and cacti.

Rolling land covered with loose rocks and dense underbeush, 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 22°30½'S, on the decl. arc and

observe the sun on the meridian at noon; the resulting lat.is 35'00'N.

Thence I run

East on random line bet. secs. 28 and 33.

40.00

Set temp. 1/4 sec. cor.
Intersect the N. and S. line 10 lks. N. of the cor. of secs 80.02 27,28,33 and 34.

Thence I run

N 89°56'W. ontrue line bet.secs.28 and 33.

Over broken land covered with loose rocks and dense

Wash40 lks.wide, course SW. Asc. over loose rocks. 1.65

Top of ridge, bears NE. and SW. Desc. over loose rocks. 20.00

Wash, 10 1ks. wide, course SW. Asc. over loose rocks. 38.00

set a malpais stone, 18x10x6ins.. 12ins.in the ground, 40.01 for  $\frac{1}{4}$  sec.cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone, 2ft. base, lift. high, N. of cor. Pits impraticable. Top of ridge, bears NE. and SW. Desc. over loose rocks.

42.00

48.00

Wash, 10 lks. wide, course Sw. Asc. over loose rocks. Top of ridge, bears N. and S. Desc. steep slope over loose rocks into Sacramento wash. 50.00

64.00 Sacramento Wash, 200 lks. wide, course S. across wash bottom over loose rocks.

Asc.ateep slope over loose rocks 79.00

80.02 The cor. of secs. 28,29.32 and 33.

Land, rolling and broken.

Soil, rocky; 3rd and 4th rate.

No timber.

Underbrush, greasewood, catclaw and cacti,

Rolling and broken 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, 80.02 chs.

Thence I run

N 0°02'W. bet.secs.28 and 29.

Over broken and rolling land covered with loose rocks and dense underbrush.

13.15

Wash, 15 1ks. wide, coirse SE. Over loose rocks. Wash, 150 lks. wide, course SSE. Over loose rocks.

27.00 40.00

Set a malpais stone, 18X8X6ins., 12ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face; and raise a mound of stone, 2ft. base,  $1\frac{1}{2}$ ft. high, W. of cor. Pits impraticable. Sacramento wash, 200 lks. wide, course SE. Over loose rocks.

54.50 80.00

set armalpais stone, 20x10x8ins., 15ins.in the ground, for cor. of secs, 20, 21, 28 and 29, marked with 2 notches on S. and 4 notches on E. edges; and raise a mound of stone, 2ft. base, 1/2ft. high, w. of cor. pits impraticable.

Land, rolling and broken.

Soil, rocky; 3rd and ath rate.

No timber.

Underbrush, greasewood, catclaw and cacti.

Rolling and broken 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 6,1910.

January 7; At 8h.00m., a.m., l.m.t., I set off 22°22'S. on the decl.arc; 35°01'N. on the lat.arc and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29.

Thence I run

S 89°56'E. on random line bet.secs.21 and 29.

40.00

Set temp. 1 sec. cor. Intersect the N.and S. line.23 lks.S.of the cor. of 80.04 secs. 21,22,27 and 28.

Thence I run S 89°54'W. on true line bet.secs.21 and 28.

Slowly descend over loose rocks thru dense underbrush.

Wash, 10 1ks. wide, course SW. Over loose rocks.

9.35

15.60 38.80

40.02

Wash, 75 lks. wide, course SW. Over loose rocks.

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

Set a malpais stone, 20x12x8ins., 15ins.in the ground, for \( \frac{1}{4} \) sec.cor., marked \( \frac{1}{4} \) on N. face; and raise a mound of stone, 2ft. base, \( \frac{1}{2} \) ft. high, N. of cor. Pits impraticable

41.50 Top of ridge, bears NE, and SW. Desc. over loose rocks.

45.00 Wash, 10 lks. wide, course SW. Asc. over loose rocks.

Top of ridge, bears NE. and SW. Desc. over loose rocks. 50.00

**56.** 00 Wash, 10 lks. wide, course SW. Over loose rocks.

80.04 The cor. of secs. 20,21 and 28 and 29.

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

No timber.

Underbrush, greasewood, sage, catclaw, and cacti. Mountainous land covered with loose rocks and demse 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.

Thence I run

N 0.02 W. bat.secs.20 and 21.

Over slightly rolling land covered with loose rocks and dense underbrush.

wash, 15 1ks. wide, course Sw. Over loose rocks. 10.50

wash, 15 lks. wide, course Sw. Over loose rocks. 11.40

Wash, 10 lks. wide, course SW. Over loose rocks. 25.20

for 4 sec. oor., marked 4 on W. face; dig pits, 18x18x12ins., 40.00

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chains.
         N. and S. of stone, 3ft. dist.; and raise a mound of earth, 3 ft. base, 1 ft. high, W. of cor. wash, 10 lks. wide, course SW. Over loose rocks.
46.30
         wash, 10 1ks. wide, course SW. Over loose rocks.
49.00
80.00
             Set a malpais stone, 15x10x8ins., 10ins.in the ground,
         for cor. of secs.16,17,20 and 21, 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, 4 ft.
         base,2ft.high, w. of cor.
             Land, rolling.
             Soil, rocky; 3rd rate.
             No timber.
             Underbrush, grease wood, catclaw and cacti.
            Rolling land covered with loose rocks and dense und-
         erbrush, 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, 80.00 chs.
At this cor. I set off 22°23½'S, on the decl. arc and
         observe the sun on the meridian at noon; the resulting
         lat.is 35°02'N.
            Thence I run
            N 89'54'E. on randon line bet.secs.16 and 21.
        Set temp. 1 sec. cor. Intersect the N. and S. line 7 lks. N. of the cor of secs.
40.00
80.02
        15,16,21 and 22.
            Thence I run
             S 89°57'W. on true line bet. secs. 16 and 21.
            Over rolling land thru exceptionally dense underbrush.
 1.40
         wash, 10 lks. wde, ourse Sw.
         wash, 10 lks. wide, course Sw.
 9.80
         wash, 10 lks. wide, course Sw.
32.00
            set a malpais stone, 15x8x8ins., 10ins. in the ground,
40.01
         for \frac{1}{4} sec. cor..marked \frac{1}{4} on N.face; dig pits, 18XB8 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 sec=.16,17,20 and 21.
80.02.
            Land, rolling.
            Soil, rocky, 3rd mate.
            No timber.
            Underbrush, grease wood, sage and cacti.
            Rolling land covered with exceptionally 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, 80.02 chs.
            Thence I run
            N 0°02'W. bet.secs.16 and 17.
            Over level land thru exceptionally dense underbrush.
        Wash, 15 1ks. wide, course SW.
 5.00
15.50
        Wash, 15 lks. wide, course SW.
23.00
        Wash, 10 1ks. wide, course SW.
29.00
        Wash, 30 lks. wide, course SW.
40.00
           Set as malpais stone, 15x10x8ins., 10ins.in the ground,
        for \frac{1}{4} sec. cor.dig pits, 18X18X12 ins., N. and S. of stone,
        3ft.dist.; and raise a mound of earth, 3 ft.base, 1 ft.
        high, w. of cor.
63.65
        wash, 25 lks. wide, course w.
        Enter Sacramento wash, course SW.
64.00
        Leave Sacramento wash, course Sw. Set a malpais stone, 18x10x8ins., 12ins.in the ground,
74.50
80.00
        for cor. of secs. 8,9,16 and 17, marked with 4 notches on
        s. and E. edges. and dig pits, 18x19x12ins., in each sec.
        5½ ft.dist.; and raise a mound of earth,4ft.base,2ft.
        high, w. of cor.
            Land, level.
            Soil, gravelly, 2nd rate;
            No timber.
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chains. Underbrush, greasewood, sage, catclaw and cacti. Land cowered 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. January 7,1910. January 8; At 8h.00m.,a.m.,l.m.t.,I set off 22°14' S. on the decl.arc; 35°02 N. on the lat.arc and determine a meridian with the solar at the cor. of secs. 8,9,16 and 17. Thence I run N 89° 57'E. on random line bet.secs.9 and 16. Set temp. 1 sec. cor. 12 ks
Intersect the N. and S. line, N. of the cor. of secs. 9, 40.00 80.06 10,15 and 16. Thence I run N 89° 58' W. on true line bet. secs. 9 and 16. Slowly descend thu exceptionally dense underbrush. 9.10 Wash, 20 1ks. wide, course SW. Wash, 20 lks. wide, course SW. Wash, 30 lks. wide, course SW. 18.70 33.90 Set a malpais stone, 24x16x10ins., 18ins.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. 40.03 80.06 The cor. of secs. 8,9,16 and 17. Land, rolling. Soil, gravelly; 3rd rate. No timber. Underbrush, greasewood, sage and cacti. Rolling land covered with exceptionally 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, 80.06 chs. Thence I run N 0°02'W. bet.secs.8 and 9. Over level land thru exceptionally dense underbrush. wash, 20 1ks. wide, course Sw. 15.80 wash, 20 lks. wide, course Sw. 17.40 wash, 20 lks. wade, course SW. 28.60 Set a malpais stone, 18 % 8 X 8 ins., 12 ins. in the ground, for \( \frac{1}{2} \) sec. cor. marked \( \frac{1}{4} \) on w.face; dig pits, 18 X 18 X 12 ins., N. and S. of stone, 3ft. dist.; and raise a mound of earth 40.00 3 t. base, 1 ft. high, w. of cor. Wash, 50 lks. wide, course SW. 47.10 Set a malpais stone, 18X10X6ins., 12ins.in the ground, 80.00 for cor. of secs.4,5,8 and 9, marked with 5 notwhes on S.and 4 notches on E. edge; dand raise a mound of in Stone, 2 ft. base, it ft. migh, will of the cor. Pits impreticable. Land, level soil, gravelly; 2nd rate. No timber. Underbrush, grease wood, catclaw, 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, exceptionally difficult to survey, 80.00 chs. At this cor. I set off 22°152'S. on the deat. arc and observe the sun on the meridian atthorn; the resulting lat.is 35° 03 1 N. / Thence I run S 89°58'E. on random line bet. secs. 4 and 9. Set temp. 1 sec. cor. Intersect the N. and S. line 9 lks. N. of the cor. of secs. 40.00 80.08

	Subdivision of Tp.18 M., Rg.18 West.
chains.	
	3,4,9 and 10.
	Thence I run
	N 89°54'W. on true line bet.secs.4 and 9.
	Slowly descend thru exceptionally dense underbrush.
8.65	Wash, 20 lks. wide, course SW.
12.80	wash, 20 lks. wide, course Sw.
4	
32.80	Wash, 30 lks. wide, course S.
40.04	Set a malpais stone, 18 x8 x6i s., 12 ins. in the ground,
	for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; digpits, 18 X18 X12 ins.,
	E. and W. of stone, 3ft. dist.; and raise a mound of earth,
	3 ft. base, 1 ft. high, N. of cor.
80.08	The cor. of secs. 4,5,8 and 9.
0000	Land, rolling.
i	Soil, rocky and gravelly, 3rd rate.
	No timber.
	Underbrush, grease wood, catclaw, sage and cacti.
	Rolling land covered with exceptionally 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, 80.08 chs.
i	
	Thence I run
	N 0°02!W. on random line bet.secs.4 and 5.
40.00	Set temp. 4 sec. cor.
80.84	
00.03	Intersect the N.bdy. of Tp.7 lks. W. of the cor. of secs.
	4,5,32 and 33.
	Thence I run
	S 0°01'W. on true line bet.secs.4 and 5.
	Over nearly level land covered with loose rocks and
i	exceptionally dense underbrush.
13.35	Wash, 30 lks. wide, course SW. Over loose rocks.
18.40	Wash, 30 lks. wide, course SW. Over loose rocks.
40.55	Wash, 10 lks. wide, course SW.
40.84	Set a malpais stone, 18x6x6ins., 12ins.in the ground,
	for \(\frac{1}{4}\) sec.cor., marked \(\frac{1}{4}\) on \(\W.\) face; dig pits, 18X18X12ins.,
Ì	N. and S. of stone, 3ft. dist.; and raise a mound of earth
43	3 ft. base, lg ft. high, w. of cor.
41.35	Wash, 15 lks. wide, course Sw. Over loose rocks.
51.45	
80.84.	! "
	Land, nearly 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, 80.84chs.
	January 8,1910.
	. January 8,1910.
	January 9; At 8h.00m.,a.m.,l.m.tI set off 22 06'S.
	on the decl.arc; 34°59'N.on the lat.arc and determine
	a meridian with the solar at the cor. of secs. 5,6,31 and
	32, previously set by me.
	Thence I run
ĺ	N 0 03'W. bet.secs.31 and 32.
	Along E. slope of Black mountains over loose rocks
1 .	thru dense underbrush.
4.50	Wash, 10 lks. wide, course E. Over loose rocks.
16.20	Wash.15 lks.wide, course E. Over loose rocks.
21.20	Wash, 15 1ks. wide, course E. Over loose rocks.
27.00	Wash, 40 lks. wide, course SE. Over loose rocks.
40.00	Set a malpais stone, 20x12x10ins., 15ins.in the ground,
20.00	for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of
42.25	stone, 3ft.base, 1 ft.high, w. of cor. Pits impraticable.
30.00	Wash, 10 1ks. wide, course E. Over loose rocks

Subdivision	of	TD.	19	N.	RG. 1	.8 Wes	t.

		Subdivision of Tp.19 N.RG.18 West.
- 1	chains.	
	50.30	Wash, 10 1ks. wide, course SE. Over loose rocks.
		wash, 10 lks. wide, dourse SE. Over loose rocks.
	80.00	Set a malpais stone, 18X8X6ins., 12ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked with 1 notch on
	•	s. and 5 notches on E. edge; and raise a mound of stone,
		2ft.base, 1 ft.high, w. of cor. Pits impraticable.
		Land, mountainous.
		Soil, rocky; 4th rate.
	•	Wo timber.
		Underbrush, greasewood, catclaw, sage and cacti.
		Mountainous 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.
		Thence I run
		East on random line bet.secs.29 and 32.
	40.00	Set temp. 1/2 sec.cor.
	80.10	Intersect the N. and S. line 9 lks. N. of the cor. of
		secs.28,29,32 and 33.
		Thence I run N 89°56'W. on true line bet.secs.29and 32.
		Ascend over loose malpais rocks thru dense under-
		brush.
	10.00	Top of ridge, bears NW. and SE. Desc. over loose rocks.
	17.65	Wash, 30 lks.wide, course SE. Asc.over loose rocks.
	25.00	Top of ridge, bears NW. and SE. Desc. over loose rocks.
	33.00	Wash, 15 lks. wide, course SE. Asc. over loose rocks.
	40.05	set a malpais stone, 18x12x8ins., 12ins.in the ground,
		for \frac{1}{4} sec. cor., marked \frac{1}{4} on N. face; and raise a mound
		of stone, sft. base, la ft. high, N. of cor. Pits impraticable.
	53.00	Top of ridge, bears NW. and SE. Desc. over loose rocks.
	61.80	wash, 20 lks. wide, course SE. Asc. over loose rocks. Top of ridge, bears NW. and SE. Desc. ocer loose rocks.
	75.00 80.10	The cor. of secs. 29,30,31 and 32.
	80.10	Land, mountainous.
		Soil, rocky: 4th rate.
		No timber.
		Underbrush, greasewood, catclaw and sage.
		Mountainous 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, 80.10 chs.  At this cor. I set off 22°07 5. on the decl. arc and
		observe the sun on the meridian at hoon; the resulting
		lat.is 35°00'N./
		Thence I run
	40.00	West on random line bet.secs.30 and 31. Set temp. 2 sec.cor.
	78.97	Intersect the 5th Guide Meridian 2 lks.S. of the cor.
	10.01	of secs.25,30,31 and 36. marked and witnessed as described
		Thence I run by the Surveyor General.
		S 89 59'E. on true line bet.secs.30 and 31.
		Descending slope of Black Mountains over loose rocks
		and boulders thru dense underbrush.
	38.97	Set a malpais stone, 20x12x10ins., 15ins.in the ground
		for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2ft. base, $1\frac{1}{7}$ ft. high, N. of cor. Pits impraticable.
	78.97	The cor. of secs. 29, 30, 31 and 32.
	10.31	Land, mountainous.
		Soil, rocky; 4th rate.
		No timber.
		Underbrush, greasewood, catclaw and cacti.
		Mountainous land covered with loose rocks and boulder
		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, 78.97ch
	1	· ·

	chains.	
	charms.	Thence I run
		N 0°03'W. bet.secs.29 and 30.
		Along E. slope of Black Mountains over loose rocks
		and boulders, thru dense underbrush.
	9.70	wash, 30 lks. wide, course SE. Over loose rocks and boulder
	40.00	set a malpais stone, 18x8x6ins., 12ins.in the ground,
	40.00	for \( \frac{1}{2} \) sec.cor., marked \( \frac{1}{4} \) on \( \text{W. face; and raise a mound } \)
		of stone, 2ft. base, la ft. high, w. of cor. Pits impraticabl
	47.00	wash, 15 lks. wide, course SE. Over loose rocks and boulder
	68.30	Wash, 30 lks. wide, course SE. Over loose rocksand boulders
	80.00	set a malpais stone, 24x8x6ins., 18ins.in the ground,
	50.00	for cor. of secs.19,20,29 and 30, marked with 2 notches
		on s.and 5 notches on E. edge; and raise a mound of
		stone, 2ft. base, lift. high, w. of cor. Pirs impraticable.
	İ	Land, mountainous.
		Soil, rocky; 4th rate.
		No timber.
		Underbrushmgreasewood, sage and cacti.
		Mountainous land covered with loose rocks and
		boulders and dense underbrush, and on account of the sc
		scarcity of water and other reasons more fully explained
		at the end of these notes, exceptionally difficult to
		survey,80.00 chs.
	İ	January 9,1910.
		January 10; At 8h.00m., a.m.l.m.t., E set off 21 5715.
		on the decl.arc; 35°01'N. on the lat.arc; and determine
		a meridian with the solar at the cor. of secs.19,20,29
	of the state of th	and 30.
		Thence I run
•		S 89°56'E. on random line bet.secs.20 and 29.
	40.00	Set temp. 1 sec. cor.
•	80.08	Intersect the N.and S. line 9 lks. 3. of the cor. of secs.
		20,21,28 and 29.
		Thence I run
		west on true line bet.secs.20 and 29.
		Over broken and rolling land covered with loose rocks
		thru dense underbrush.
	3.50	wash, 10 lks.wide, course S. Over loose rocks.
	7.50	wash, 45 lks. wide, course S. Over loose rocks.
	14.50	Sacramento wash, 200 lks. wide, course S. Over loose rocks.
	21.90	wash, 10 lks. wide, course SE. Over loose rocks.
	23.20	Wash, 15 1ks. wide, course SE. Asc. over loose rocks.
	40.04	set a malpais stone, 24x6x5ins, 18ins.in the ground,
		for \( \frac{1}{2} \) sec. cor., marked \( \frac{1}{2} \) on N. face; and raise a mound of
	40.00	stone, 2ft. base, 14 ft. hin, w. of cor. Pits impraticable. Wash, 10 lks. wide, course SE. Ascending over loose rocks.
	42.00	The cor. of secs.19,20,29 and 30.
	80.08	Land, rolling and mountainous.
		Soil.rocky; 4th rate.
		No timber.
	İ	Underbrush, greasewood, catclaw and cacti.
	•	Mountainous land covered with loose rocks and dense
		underbrush, and on account of the scarcity of water and
		other reasons mor e fully explained at the end of these
		notes exceptionally difficult to survey, 80.08 chs.
	-	
		Thence I run
	40.00	N 89°59'W. on random line bet.secs.19 and 30.
	40.00	Set temp \( \frac{1}{4} \) sec.cor.
	79.02	Intersect the 5th Guide meridian 18 lks.S. of the cor. of secs.19,24,25 and 30, which is a s one, marked and
		witnessed as described by the Surveyor General.
		Thence I run
		S 89°51'E. on true line bet.secs.19 and 30.
		nesscending over loo e rocks and boulders thru dense
	1	underbrush
	1	<b>∤</b> ==

22

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Subdivision of Tp.19 N., Rg.18 West.
           set a malpais stone, 20x12x12ins., 15ins.in the ground,
 39.02
           for \( \frac{1}{2} \) sec. cor., marked \( \frac{1}{4} \) on N. face; and raise a mound of stone, 2ft. base, left. high. N. of cor. Pits impraticbale
           Wash, 15 1ks. wide, course SE. Over loose rocks
 39.60
          Wash, 10 lks. wide, course SE. Over loose rocks. Wash, 15 lks. wide, course SE. Over loose rocks. Wash, 20 lks. wide, course SE. Over loose rocks.
 43.00
 56.60
 67.40
           The cor. of secs.19,20,29 and 30.
 79.02
               Land, mountainous.
                Soil, rocky; 4th rate.
               No timber.
               Underbrush, grease wood, sage and cacti.
           Mountainous 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, 79.02 chs.
At this cor. I set off 22 58 18. on the decl.arc
           and observe the sun on the meridian at noon; the resulting
           lat.is 35 01'N.
                Thence I run
                N 0°03'W. bet.secs.19 and 20.
                Slowly Ascending over loose rocks thru dense undere
           brush.
28.40
           Wash, 10 lks. wide, course SE. Over loose rocks.
                Set a malpais stone, 20X8X6ins., 15ins., in the ground,
40.00
           for \( \frac{1}{4} \) sec.cor., marked \( \frac{1}{4} \) on W.face; and raise a mound of stone, 2ft. base, \( \frac{1}{2} \) ft. high, W. of cor. Pits impraticable.
                Set a malpais stone, 20X10X8ins...15ins.in the ground,
80.00
           for cor. of secs. 17,18,19 and 20, marked with 3 notches
           on S. and 5 notches on E. edge; and raise a mound of stone 2ft.base, 1 ft. high, w. of cor. Pits impraticable.
                Land, mountainous.
                Soil, rocky; 3rd rate.
                No timber.
                Underbrush, greasewood, sage and cacti.
           Mountainous land covered with loose rock and dense underbrush, and o 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 East on random line bet.secs.17 and 20.
Set temp. 4 sec.cor.
Intersect the N. and S. line at the cor. of secs.16,17
40.00
80.02
            20 and 21.
                Thence I run
                West on true line bet.secs.17 and 20.
                Descending over loose rocks thru dense underbrush.
            Wash, 15 1ks. wide, course SW. Over loose rocks. Wash, 20 1ks. wide, course SW. Over loose rocks.
 3.50
10.35
            Across Sacramento wash, course S. Leave Sacramento wash, course S. Asc.o er loose rocks.
20.15
29.30
                Set a malpais stone, 24X10X8ins., 18ins.in the ground,
40.01
            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. Pbts impraticable.
80.02
            The cor. of secs.17,18,19 and 20.
                Land, mountainous.
                Soil, rocky; 3rd rate.
                No timber.
                Underbrush, grease wood, sage, catolaw and cacti.
                Mountainous land covered with loose rocks and dense
            underbrush, and on account of the scarcity of water and
            other reasons more fully emplained at the end of these
            notes, exceptionally difficult to survey, 80.02 chs.
                                                            January, 10, 1910.
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Subdivision of Tp. 19 N. . Rg. 18 West chains. January 11; At 8h.00m., a.m., l.m.t., I set off 22° 48½S. on the decl arc; 35°02'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 N 89 51'W. on random line bet. secs. 18 and 19. Set temp.  $\frac{1}{4}$  sec. cor. 40.00 79.06. Intersect the 5th Guide Meridian 4 lks.S. of the cor. of secs.13,18,19 and 24. which is a stone, marked and witnessed as described by the surveyor General. Thence I run S 89 49'E. on true line bet.secs.18 and 19. Descending over loose rocks and boulders thru dense underbrush. Set a malpais stone, 18x12x6ins., 12ins.in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound 39.06 of stone, 2ft. base, 1 ft. high, N. of cor. Pits impraticable 79.06 The cor. of secs.17,18,19 and 20. Land, mountainous. Soil, rocky; 4th.rate. No timber. Underbrush, grease wood, catclaw, sage and cacti. Mountainous land covered with loose rock and dense underbrush; and on account of the escarcity o water and other reasons more fully explained at the end of these notes, exceptionally difficult to survey, 79.02 che. Thence I run N 0°03'W. bmt.secs.17 and 18. Slowly descending over loose rocks thru dense undergrush. along east slope. 1.30 Wash, 15 lks. wide, course E. Over loose rocks. Wash, 20 lks. wide, course E. Over loose rocks. Wash, 20 lks. wide, course E. Over loose rocks. Wash, 30 lks. wide, course E. Over loose rocks. 4.45 6.70 12.00 Wash, 20 1ks. wide, course E. Over loose rocks. 17.20 Wash, 30 lks. wide, course E. Over loose rocks. 29.75 set a malpais stone, 20x10x8ins., 15ins.ib the ground, 40.00 for  $\frac{1}{4}$  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, Wash, 15 1ks. wide, course E. Over losse rocks. 43.38 Wash.20 lks. wide, course E. Over loose rocks. 54.70 Wash, 20 1ks. wide, course F. Over loose rocks. 61.50 66.40 Wash, 30 lks. wide, course SSE. 80.00 Set a malpais stone, ISXSX6ins., 12ins.in the ground, for cor. of secs.7,8,17 and 18.marked with 4 notches on the S.and 5 notches on the E.edge; dig pits,18X18X12ins., in each secs. 5-ft.dist., and raise a mound of earth, 4ft.base, 2 ft.high, w. of cor. Land, mountainous. Soil, rocky; 3rd rate. No timber. Underbrush, greasewood, sage, catclaw and cacti. Mountainous 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 this cor. I set off 21 492 S. on the decl. arc and observe the sun on the meridian at noon; the resulting lat.is 35'022'N. Thence I run East on random line bet.secs.8 and 17. Set temp. 1 sec. cor.
Intersect the N. and S. line 6 lks. N. of the cor. of secs. 40.00 79.96

8,9,16 and 17.

Thence I run N 89°57'W. on true line bet. secs. 8 and 17.

		Suret (1520)	
7	.Engine.	and and the domain under house	
ł		Over level land thru exceptionally dense underbrush.	
l	6.00	Weeh 70 lks wide course S.	
		set a malpais stone, 18x10x6ins., 12ins.in the, for \( \frac{1}{4} \)	
-	9.98	Set a maipale i de la mita la via la	
		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.	
1.		Sacramento wash, 500 lks. wide, course S.	
	<b>37.</b> 80	Sacramento Radan, 500 Tks: Wide Course	
1	9.96	The cor of secs.7,8,17 and 18.	
ľ		Land, level.	
-		Soil, gravelly; 2nd mate.	
		No timber.	
-		Underbrush, greasewood, sage and cacti.	
1		tand covered with exceptionally dense underprush, and	
-		on account of the scarcity of water and other reasons	
		on account of the scale of the sea notes excepti-	
1		more fully explained at the end of these notes, excepti-	
		onally difficult to survey, 79.96 chs.	
1		01/423	
Ì		· · · · · · · · · · · · · · · · ·	
ı		Thence I run	
		West bet.secs.7 and 18.	
-		Ascend over land covered with loose rocks thru dense	
-			
- 1		underbrush.	
1	4.35	Wash, 30 1ks. wide, course S. Asc. over loose rocks.	
-	8.20	Wash, 20 lks. wide, course SE. Asc. over loose rocks.	
-	40.00	Set malpais stone, 18x10x5ins., 12ins.in the ground,	
- 1	40.00	for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on N. face; and raise a mound of	
	9	TOT 4 89C. COI., MAIROU 4 OH R. 120C, UNA 1 May not tochla	
.		stone, 2ft. base, 1 ft. high, N. of cor. Pits impraticable.	
1	79.19	Intersect the 5th Guide Meridian 84 1ks.S. of the cor.	
	, 0 0	of secs.12, and 13, which is a stone marked and witnessed	
-		of seco. Is, and Is, and Is a manage of a mainais	
-		as described by the surveyor general. Set a malpais	
- 1		stone to viewed in the ground. For Closing Cor.	
- 1		of secs 7 and 18 marked CC on E. With 4 groups on 5. and	~
		2 groomes on N. face; and raise a mound of stone, 2ft. base	
.		2 grootes on M. lace, and later the cold	
1		1 ft. high, E. of cor. Pits impraticable.	
-		Land, mountainous.	-
		Soil, rocky and stony; 4th rate.	
		Soft Hooky and Booky, 1011 200	
		No timber.	
		Underbrush, greasewood, catclaw, sage and cacti.	
		Mountainous land covered with loose rocks and dense	
ļ		underbrush, and on account of the scarcity of water and	
		underblush, and on account of these	
		other reasons more fully explained at the end of these	
		notes exceptionally difficult to survey, 79.19 cms.	
		January 11,1910.	
	•		
		1 m 4 m and nee 21°4015	
		January 12; At 8h.00m., a.m., l.m. t., I set off 21°40'S.	
		on the deal end: 35 02 N. On the lat. arc, and determine	1
		a meridian with the solar at the cor. of secs. 7, 3, 17 and	
		18.	
		Thence I run	
		w n naiw het secs 7 and 8.	
		Over level land thru exceptionally dense underbrush.	
		AMEL TOACT TORIG AIM OVOCABITOTICETTA COMMING	
	8.00	Wash, 15 lks. wide, course SE.	l
	17.55	Wash.15 lks.wide,course SE.	ĺ
	26.90	Wash, 15 1ks. wide, course SE.	
		Ween 15 lye wide course SE.	
	30.15	manijio indicate stana 0.4vovetna lotna in the ormind.	ĺ
	40.00	Set a malpais stone, 24x8x6ins., 18ins.in the ground,	ĺ
		Por 1 sec. cor. marked + or W. Tace: alk bits, tox tox to tile;	1
	,	Nand S. of stone.3ft.dist., and raise a mound of	
		earth, 3 ft. base, 1 ft. high, W. of cor.	
		Week Only wild sounce CF	
	60.00	Wash, 201ks. wide, course SF.	ĺ
	74.10	Wash, 20 1ks. wide, course SE.	
	80.00	cet a mainais stone. 18 x8 x 6 ins 12 ins in the ground,	İ
	55.00	l ear car of secs 5.6.7 and 8.marked With 5 notines on	
		S and E edges; dig pits, 18x18x12ins., in each sec. 5 ft.	
		S and E edges, and bire, to vious the process of high m	
		dist.; and raise a mound of earth, 4ft. base, 2 ft. high, W.	
		of cor.	
		Land, level.	
		Bally to vote	
		Soil, gravelly; 3rd rate.	1
		No timber.	
		Underbrush, greasewood, catclaw, sage and cacti.	
	1		1
	1		1

# BOOK 2193 Subdivision of Tp.19 N., Rg.18 West.

		Subdivision of ip.13 w., ng.18 west.
	chains.	
		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, exceptio-
		nally difficult to survey,80.00 chs.
		Thence I run
		S 89°57'E. on random line bet.secs.5 and 8.
	40.00	Set temp. 1 sec. cor.
	80.02	The cor. of secs.4,5,8 and 9;
		Thence I run
		N 89°57'w. on true line bet.secs.5 and 8.
		Over level land covered with loose rocks thru excep-
		tionally dense underbrush
	17.50	Sacramento wash,600 lks.wide,course S.
	40.01	Set a malpais stone, 18 X8 X6 ins., 12 ins. 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.
	80.02	The cor. of secs. 5,6,7, and 8.
		Land, level.
		Soil, rocky and gravelly; 2nd and 3rd rate.
		No timber.
		Underbrush, greasewood, cat claw, 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, 80.02ch
		At this cor. I set off 21 40 'S. on the decl.arc and
		observe the sun on the meridian at noon; the resulting
•		lat.is 35°03½'N.
		Thence I run
		West bet.secs.6 and 7.
		Over level land thru exceptionally dense underbrush.
	15.90	Wash, 20 1ks. wide, course SE.
	40.00	Set a malpais stone, 15X1@X8ins., 10ins.in the ground,
		for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, $18 \times 18 \times 12 = 18$ . E. and W. of stone, $37t$ . dist., and raise a mound of earth
		3½ ft.base, l½ ft.high, N. of cor.
	43.15	Wash, 15 lks. wide, course SE.
	51.70	Wash, 15 lks. wide, course SE.
j	53.70	Wash, 15 1ks. wide, course SE.
	57.70	Power line, bears NE. and Sw.
	64.45	Road, NE. and Sw.
Ì	67.00 72.05	Corral bears S. 30 chs. Road, Kingman to Goldroad, bears NE. and Sw.
	72.10	Telephone lineto Kingman, bears NE. and Sw.
	79.24	Intersect the 5th Guide Meridian 93 lks.S. of the cor.
		of secs.1 and 12, which is a stone, marked and witnessed
		as described by the surveyor General. Set a malpais
į		stone, 20x12x6ins., 15ins. in the ground, for closing cor.
		of secs.6 and 7, marked CC on E. with 5 grooves on S.,
	•	and 1 groove on the N.face; and raise a mound of stone, 2ft.base.l. ft.high, E. of cor. Pits impraticable.
	and the second	Land, level.
	a come van	Soil, gravelly; 3rd rate.
		No timber.
		Underbrush, graes wood, cat claw, 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, 79.24 chs.
	a de la companya de l	
		Thence I run
	40.00	N 0°03'W. on random line bet.secs.5 and 6. Set temp, $\frac{1}{4}$ sec.cor.
	80.92	Intersect the N. any lof Tp., 6 lks. E. of the cor. of secs
. ↓		5.6.31 and 32.
i	-	Apply Mark Control of the Control of

	Outside the second of the seco
chains.	
	Thence I run
	S 0°06'E. on true line bet.secs.5 and 6.
	Over level land thru exceptionally dense underbrush.
30.92	Road, to Kingman bears NE. and SW.
31.12	Telphone line, bears NE. and SW.
31.90	Wash, 70 lks. wide, course SW.
37.25	Power line, bears NE. and SW.
37.40	Wash, 30 lks. wide, course SW.
40.92	Set a malpais stane, 18 X10 X6 ins., 12 ins. in the ground,
20.02	for 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.
53.90	wash, 100 lks. wide, course SE.
61.55	Wash, 25 lks. wide, course SE.
70.30	Same wash, course Sw.
-	Same wash, course SE.
72.05	The cor. of secs. 5,6,7, and 8.
80.92	
	Land, level.
	soil, gravelly; 2nd rate.
	No timber.
	Underbrush, grease wood, catclaw, 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, except-

This township is mountainous, rolling and level, and covered with loose malpais stone, and dense growth of greasewood, sage and cacti.underbrush. The soil, is mostly 3rd rate and would not be fit for cultivation.

January 12,1910.

There are no settlers.

ionally difficult to survey, 80.92 chs.

There is no water with in this township, and in order to get. water while surveying this Tp., it was necessary to go a distance of 15 miles. The length of this haul for water, 30 miles to a trip, necessitated the kepping of an extra wagon, team of horses and man, busy all of the time hauling mater. As it was necessary to make a road from each camp, to the read 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 the camp, camp team and line team, it was impossible to move camp around to suit the work, and I had to work the township from one camp, making long walks to and from work and matreially cutting down the number of miles run in a day.

A large part of this Tp., although covered with loose rocks, did not have stones large enough to use for corners and, knowing that the most essential part of a survey is the establishment of corners which will not be easily destroyed, I employed an extra wagon, team and man how rocks for corners, in preference to setting mound of earth, with deposit, and stake in pit, as they would have been obliterated. The average haul for rocks was 4 miles and kept the line wagon busy at all times.

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

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

Gred W. Rodolf Suragor

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

	$\gamma$ .
A list of the names of the individuals employed by Wild W.	odolf
, United States Deputy Surveyor, to assist in runn	ning, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of	· 
showing the respective capacities in which they acted:	
a. C. Kerns	, Chainman.
Bert Lyon	, Chainman.
Ralph A. Ellis	, Moundman.
Cho Short.	, Moundman.
I. M. Parker	
R.M. Stark	$\dots, Axman.$
George Newell	
FINAL OATH OF ASSISTANTS.	
We hereby certify that we assisted will work that we assisted with the work of the control of th	L.
, United States Deputy Surve	
those parts or portions of the Subdivision, lines of	Township.
those parts or portions of the Subdivision lines of a 19 North, Pange 10 West	
17 11 own, yange 10 hear	
	44 81
	of the Lila &
Salt Pine Base & meridian, Versitory of arizona, w	hich are represented
Sall This Case 8 meridian, Versitory of Crizona, w in the foregoing field notes as having been surveyed by him and under his direction;	hich are represented and that said survey
Salt Prin Base & meridian, Versitory of arizona, w	hich are represented and that said survey y surveyed, and the
In the foregoing field notes as having been surveyed by him and under his direction; has been in all respects, to the best of our knowledge and belief, well and faithfull	hich are represented and that said survey y surveyed, and the
in the foregoing field notes as having been surveyed by him and under his direction; has been in all respects, to the best of our knowledge and belief, well and faithfull corner monuments established, according to the instructions furnished by the Uni General for	thich are represented and that said survey by surveyed, and the ted States Surveyor
in the foregoing field notes as having been surveyed by him and under his direction; has been in all respects, to the best of our knowledge and belief, well and faithfull corner monuments established, according to the instructions furnished by the Uni General for Augusta	hich are represented and that said survey y surveyed, and the ted States Surveyor, Chainman.
in the foregoing field notes as having been surveyed by him and under his direction; has been in all respects, to the best of our knowledge and belief, well and faithfull corner monuments established, according to the instructions furnished by the Uni General for Augusta	hich are represented and that said survey y surveyed, and the ted States Surveyor, Chainman.
in the foregoing field notes as having been surveyed by him and under his direction; has been in all respects, to the best of our knowledge and belief, well and faithfull corner monuments established, according to the instructions furnished by the Uni General for Aryon.  Rephilon Base 8 meridian, Versitory of Crigona , we in the foregoing field notes as having been surveyed by him and under his direction; has been in all respects, to the best of our knowledge and belief, well and faithfull corner monuments established, according to the instructions furnished by the Uni General for Aryon.  Rephilon Base 8 meridian, Versitory of Crigonal , we in the foregoing field notes as having been surveyed by him and under his direction; has been in all respects, to the best of our knowledge and belief, well and faithfull corner monuments established, according to the instructions furnished by the Uni General for Aryon.	chich are represented and that said survey by surveyed, and the ted States Surveyor, Chainman, Chainman, Moundman.
in the foregoing field notes as having been surveyed by him and under his direction; has been in all respects, to the best of our knowledge and belief, well and faithfull corner monuments established, according to the instructions furnished by the Uni General for Arisona  Sethyow  Calgana	chich are represented and that said survey by surveyed, and the ted States Surveyor, Chainman, Chainman, Moundman, Moundman.
in the foregoing field notes as having been surveyed by him and under his direction; has been in all respects, to the best of our knowledge and belief, well and faithfull corner monuments established, according to the instructions furnished by the Uni General for Arisona  Sethyow  Calgana	chich are represented and that said survey by surveyed, and the ted States Surveyor, Chainman, Chainman, Moundman, Moundman.
in the foregoing field notes as having been surveyed by him and under his direction; has been in all respects, to the best of our knowledge and belief, well and faithfull corner monuments established, according to the instructions furnished by the Uni General for Arisona  Sethyow  Calgana	chich are represented and that said survey by surveyed, and the ted States Surveyor, Chainman, Chainman, Moundman, Moundman.
in the foregoing field notes as having been surveyed by him and under his direction; has been in all respects, to the best of our knowledge and belief, well and faithfull corner monuments established, according to the instructions furnished by the Uni General for Aryon.  Rephilon Base 8 meridian, Versitory of Crigona , we in the foregoing field notes as having been surveyed by him and under his direction; has been in all respects, to the best of our knowledge and belief, well and faithfull corner monuments established, according to the instructions furnished by the Uni General for Aryon.  Rephilon Base 8 meridian, Versitory of Crigonal , we in the foregoing field notes as having been surveyed by him and under his direction; has been in all respects, to the best of our knowledge and belief, well and faithfull corner monuments established, according to the instructions furnished by the Uni General for Aryon.	chich are represented and that said survey by surveyed, and the ted States Surveyor, Chainman, Chainman, Moundman, Moundman.
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BCCV 2193

### FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Fred W. Podof	United States Deputy Surveyor, do
	eived from Grank & Ingalls
General for, the United States, surveyed all those parts or portions	Manual of Surveying Instructions, and the laws of the
Q: Q == 0) Q +	of the Lila V Salt of Cirizona, which are represented in the
foregoing field notes as having been surveyed by m swear that all the corners of said survey have been the Manual of Surveying Instructions, and the speci	ne, and under my direction; and I do further solemnly established and perpetuated in strict accordance with ial written instructions of the United States Surveyor e specific manner described in the field notes, and that
	Used W, (Jodo L) United States Deputy Surveyor.
Subscribed by said Jaedw. Coloff	, and sworn to before me
	, 19# /0
m <del>y commission expires March 20, 144f</del> <b>2000000</b>	Hit evench
APPR	Tolary Public 
OFFICE OF THE UNITED ST	TATES SURVEYOR GENERAL,
	Thering Clain any 18, 100/9,
The foregoing field notes of the survey of 1	to Outdivisional lines
Per Baselul Merides	en angain
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executed by Tred W. Cole	y. W.D. Sepy Dunga
under his contract No. / , dated	and explanations made, the said field notes, and the
surveys they describe, are hereby approved.	Fig. LAV - 10
	United States Surveyor General.
I certify that the foregoing transcript of the	field notes of the above-described surveys in