Accepted May 31, 1912

# FIELD NOTES

**BOOK** 2268

$\wedge$	OF THE SURVEY OF THE
71. 1	Standard Parallel North through
hird	(Mandard Jarallel Voulh Many)
Marko	7 8 9 10 11 12 Med frac 6 West
Lungso-	The state of the s
	2268
	<i>s'</i>
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3.5 <b>4</b>	
	2268
	(Mud) P
	Of the Meridian,
Terr In the <del>Stat</del> e	
in the <del>State</del>	e of
	EXECUTED BY
	Alfred M. Oliver
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	· hausituan
In the capa	icity of U.S. <del>Surveyo</del> r, under instructions dated lugust 1, 1910
ssued by	the United States Surveyor General to govern surveys included i
Froun No	, which were approved by the Commissioner of the General Lan
Office, S	ated June 75, 1910 Mort 4/911.
/	() / XC and May May I can
Congress de	ated
	Survey commenced April 3, 1911
	Survey completed, 191/
	Survey Completed, 191/

## INDEX DIAGRAM.

Townsi	hip		, Range		
в	5	4.	3	2	1
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# INDEX DIAGRAM.

Towns	ship		, Range		
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Meanders Page .....

6—151

### PRELIMINARY OATHS OF ASSISTANTS.

NOK WE Q. a. Coombo a. E. Eyon	Bruge Shimfessel and C. S. Crowen
do solemnly swear that we will well and faithfully	execute the duties of chainmen; that we will level the
chain upon even and uneven ground, and plumb the	tally pins, either by sticking or dropping the same; that
	jects, and the true lengths of all lines that we assist in
	n accordance with instructions given us, in the survey of
the Phird Standard Parallel Me	orth through Rgo. 6, 7, 8, 9, 10
11 and 12 W.	
·	Chainman.
	a. E. Lyon, Chainman.
and and	Im. Alimberry "
Subscribed and sworn to before me this 370	Chown "
day of april , 191/	all In Ollins
**************************************	1 Car +
SEAL (R	11.5.0/sansuman
WE, & Clay Dodson	and
	perform the duties of moundmen in the establishment
	1 1 1 C 1 111 and a hillian in the compress of
A Whied Standard Parall	blay Lodson, Moundman.
The Juna Grandan Caraca	1
8, 9, 10, 11 and 12 w.	blay podson, Moundman.
	, Moundman.
Subscribed and sworn to before me this 34	<u></u>
day of April , 1911	
day of, 10,7	affred I blims
**************************************	M. S. Transitman
WE, S. J. P. Ellis	and
	form the duties of axmen in the establishment of corners
and other duties, according to instructions given	us, to the best of our skill and ability, in the survey of
the Olive Standard Paralle	I Worth through ago 6, 7, 8,
	RP SOL
9,10,11 and 12 W.	Axman.
	, Axman.
na	
Subscribed and sworn to before me this 37	·}
day of April , 1911	all In alling
· · · · · · · · · · · · · · · · · · ·	agus II. our
¥ ŠĒĀĪ (A ★★★★★	1.5. Transitman
	do solemnly swear that I will well and truly
	estions given me to the hest of my skill and ability in the
perform the duties of flagman according to instru- survey of the Mind Standard	estions given me to the hest of my skill and ability in the
perform the duties of flagman according to instrusurvey of the Mind Standard (6, 7, 8, 9, 10, 11 and 12 w).	Parallel Worth through Rgo.
perform the duties of flagman according to instrusively of the Shird Standard (6, 7, 8, 9, 10, 11 and 12 w).  Subscribed and sworn to before me this 3rd	Parallel Worth through Rgo.
perform the duties of flagman according to instrusurvey of the Mind Standard (6, 7, 8, 9, 10, 11 and 12 w).	Parallel Worth through Rgo.
perform the duties of flagman according to instrusively of the Shird Standard (6, 7, 8, 9, 10, 11 and 12 w).  Subscribed and sworn to before me this 3rd	Parallel Worth through Rgo.

Third Standard Parallel North, through Rg. 6 W.

CHRIME

Survey commenced April 3, 1911, and executed with a W. and L. E. Gurley solar compass, not numbersed. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the verniers of the latitude and declinations arcs.

The instrument was examined and approved by the super-

vising surveyor for Arizona.

I examine the adjustments of the compass and find them correct; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m., and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At my camp which is near the standard cor. of secs.

34 and 35, Tp. 13 N. Rg. 6 W. and which is a stone marked and witnessed as described by the surveyor general, latitude 34° 25° 09" N. longitude 112°52' 0" W.,.; I set off 34° 25° N. on the lat. arc; 5° 13½' N. on the decl. arc; and, at 5h. 00m. p.m., l.m.t., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs. N. of my station. At 6h. 39m. p.m., by my watch which has correct 1.m.t. I observe Polaris at western elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

April 3, 1911.

April 4: At 6h. 30m. a.m., l.m.t., I lay off the azimuth of Polaris 1° 25, to the east, and mark the meridian thus determined, by cutting a small groove in the stone set April 3, on which the meridian coincides with the mark determined by the solar.

At 7h. 00m. a.m., l.m.t., I set off 34° 25' N. on the lat. arc; 5° 26' N. on the decl. arc; and mark a point

in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark coincides with the meridian determined by the Polaris observation.

The solar apparatus, by p.m., and a.m., observations, defines positions for meridians, which coincide with the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 7h. 30m. a.m., is N. 14° 30' W.; the angle thus determined gives the mag. decl. 14° 30' E.

From the standard cor. of secs. 34 and 35Tp. 13 N. Rg. 6 W. already described, I run West on S. bdy. of sec. 34

Over rolling land, through dense brush. Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks. position of middle point
By 1st. set 40.03 chs.

By 2nd. set 39.98 chs.; the mean of which is Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for Standard & sec. cor., marked on brass cap \$\frac{1}{4}\$S34 in N. half; and raise a mound of stone 3 ft. base ft. high, N. of cor. Pits impracticable. Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks.; position of middle point

By 1st. set 80.04 chs.

By 2nd. set 79.96 chs.; the mean of which is
Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
the ground for standard cor. of secs. 33 and 34, marked on brass cap Tl3NR6W in N. half;

80.00

40.00

```
Chains,
                  S 33 in NW., and S 34 in NE.quadrant; and raise a
                  mound of stone 2 ft.base, 12 ft. high, N.of corner. Pits
                  impracticable.
              Land rolling.
              Soil, adobe and loose malpais rock, 3rd rate.
              No timber.
             Undergrowth, chico and mesquite.
              Westmon S.bdy.of sec.33.
              Over rolling land, through dense brush.
              Difference between measurements of 40.00 chs. by two
                   sets of chainmen is 2 lks., position of middle point
             By 1st set, 40.01 chs.

By 2nd set, 39.99 chs., the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in

the ground for standard 4 sec.cor., marked on brass

cap 4 S 33 in N.half; and raise a mound of stone 2 ft.

base, 1½ ft. high N.of corner. Pits impracticable.

Cross S.F.P. & P.Ry. bears NE.and SW.
 40.00
 42 43
              Cross under telegraph line.
 42.98
              Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks.; position of middle point
             By 1st set, 80.03 chs.

By 2nd set. 79.97 chs., the mean of which is

Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 32 and 33, marked on
 80.00
                   brass cap,
                      T 13 N R 6 W in N, half,
                      S 32 in NW, and
S 33 in NE quadrant; and raise a mound of stone 2
                   ft.base, 1\frac{1}{2} ft. high, N.of cor. Pits impracticable.
              Land, rolling.
              Soil, adobe and loose rocks; 3rd rate.
              No timber.
              Undergrowth, catclaw and chico.
              West on S. bdy. of sec.32. Over rolling land, through dense brush.
              Difference bet. measurements of 40.00 chs. by two sets
                   of chainmen is 2 lks., position of middle point
            By 1st set, 40.01 chs.,
By 2nd set, 39.99 chs., the mean of which is
Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the
  40.00
              ground for standard 4 sec.cor., marked on brass cap 4 S 32 in N.half; and raise a mound of stone 2 ft. base, 12 ft. high, N.of cor. Pits impracticable.

Cross under telegraph line.
  44.81
              Cross S.F.P. & P.Ry. bears NW. and SE. Cross S.F.P.& P.Ry., bears NW. and SW.
  45.93
  79.27
  79.98
               Cross under telegraph line, bears NE. and SW.
              Difference between measurements of 80.00 chs. by two sets
                    of chainmen is 2 lks .; position of middle point
              By 1st set, 80.01 chs.

By 2nd set, 79.99 chs., the mean of which is

Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
the ground for standard cor.of secs.31 and 32,
  00.08
                   marked on brass cap,
                   T 13 N R 6 W in N.half;
S 31 in NW., and
S 32 in NE. quadrant; and raise a mound of stone
2 ft.base, 1½ ft. high, N.of cor. Pits impracticable.
              Land, rolling.
               Soil, adobe and rocks; 3rd rate.
               No timber.
              Undergrowth, catclaw and chico.
                                                                             April 4, 1911.
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Third Standard Parallel North, through Range 6 West.

Man · Third Standard Parallel North, through Rg. 6 W Chains April 5: At 8h. 00m. a.m., lm.t., I set off 34c 25' N. on the lat. arc; 5c 492' N. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 31 and 32 Thence I run West on S. bdy. of sec. 31 Ascending steep rocky mountains through dense brush. 1.80 Cross road bears N. and S. 22.00 Ridge bears N. and S. 34.25 Risge bears N. and S. Pifference between measurements of 40.00 chs. by two sets of chainmen is 6 lks. position of middle point

By 1st. set 40.03 chs.

By 2nd. set 39.97 chs.; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in
the ground for standard t sec. cor., marked on brass
cap t31 in N. half; and raise a mound of stone 2 ft.
base 12 ft. high, N. of cor. Pits impracticable.

Cross wash 10 lks. wide course 5 40.00 Cross wash 10 lks. wide course S. 56.10 64.00 Ridge bears N. and S. Pifference between measurements of 80.00 chs. by two sets of chainmen is 8 lks. position of middle point By 1st. set 80.04 chs.

By 2nd. set 79.96 chs.; the mean of which is
Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
the ground for standard cor. of Tps. 13 N. Rgs. 6 and 7 80.00 W. marked on brass cap T13N in N. half; R7WS36 in N. W. and R6WS31 in N. E. quadrants; and raise a mound of stone 3 ft. base 12 ft. high, N. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, cak, catclaw and chico brush. April 5: At this cor. I set off 5 53! N. on the decl.

arc; and observe the sun on the meridian at noon; the

resulting lat. is 34° 35' N.

Third Standard Parallel North, through Rg. 7 W.

Chains.

West on S. bdy. of sec. 36

Descending W. slope of ridge. Cross wash 20 lks. wide course S. 1.50 Difference between measurements of 40.00 chs. by two sets of chainmen is 3 lks. position of middle point

By 1st. set 40.01 chs.

By 2nd. set 39.99 chs.; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in

the ground for standard & sec. cor., marked on brass cap

\$356 in N. half; and raise a mound of stone 3 ft. base 40.00 1 ft. high, N. of cor. Pits impracticable. Ridge bears N. W. and S. E.

45.00

Cross wash 10 lks. wide course S. E. 60.00

Ridge bears N. and S. descend. 70.73 Difference between measurements of 80.00 chs. by two. sets of chainmen is 8 lks. position of middle point

By 1st. set 80.04 chs.

By 2nd. set 79.96 chs.; the mean of which is Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 35 and 36, marked 80.00 on brass cap

Tl3NR7W in N. half;

\$35 in N. W. and \$36 in N. E. quadrant; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable.

Land, mountainous. Soil; rocky; 4th. rate.

No timber.

Undergrowth; Oak, catclaw and cactus.

April 5, 1911.

April 6: At 8h. 00m. a.m., l.m.t., I set off 34° 25' N. on the lat. arc; 6° 12½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 35 and 36

Thence I run West on S. bdy. of sec. 35 Pescending W. slope. Cross wash 60 lks. wide course S.

24.40

37.00 Ridge bears N. W. and S. E. Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks. position of middle point

By 1st. set 40.02 chs.

By 2nd. set 39.98 chs; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 36 ins. in
the ground for standard t sec. cor., marked on brass cap 40.00 1835 in N. half; and raise a mound of stone 3 ft. base 12 ft. high, N. of cor. Pits impracticable. Ridge bears N. W. and S. E.

59.00 Difference between measurements of 80.00 chs. by two sets of chainmen is 10 lks. position of middle point

By 1st. set 80.05 chs.

By 2nd. set 79.95 chs.; the mean of which is
Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
the ground for standard cor. of secs. 34 and 35, marked 80.00 on brass cap

TISNR7W in N. half; S34 in N. W. and S35 in N. F. quadrants; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits impracticable.

Land, Mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, oak, catclaw and cactus.

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	Third Standard Parallel North, through Rg. 7 W.
Chains.	W 4
	West on S. bdy. of sec. 34
17.90	Descend. Cross wash 40 lks. wide course S. E.
11.00	Difference between measurements of 40.00 chs. by two
	sets of chainmen is 10 lks. position of middle point
	By 1st. set 40.05 chs.
	By 2nd, set 39.95 chs.; the mean of which is
40.00	Set an iron post 3 ft. long, 1 in. diam., 36 ins. in
	the ground for standard 4 sec. cor., marked on Brass cap
	#\$34 in N. half; and raise a mound of stone 2 ft. base
40 70	ੀੜੂੰ ft. high, N. of cor. Pits impracticable.
49.79	Ridge bears N. W. and S. E.
63.00	Cross drain 10 lks. wide course S. F. Pifference between measurements of 80.00 chs. by two
	sets of chainmen is 12 lks. position of middle point
	By lst. set 80.06 chs.
	By 2nd. set 79.94 chs.; the mean of which is
80.00	Set an iron post 3 ft. long, 3 ins. diam. 24 ins. in
	the ground for standard cor. of Secs. 33 and 34, marked
	on brass cap
	Tl3NR7W in N. half;
	S33 in N. W. and S34 in N. F. quadrant; and raise a
	mound of stone 2 ft. base li ft. high N. of cor. Pits
	impracticable. Land, mountainous.
	Soil, rocky; 4th. rate.
	No timber.
	Undergrowth, oak, catclaw and cactus.
	April 6: At this cor. I set off 6. $15\frac{1}{2}$ . N. on the decl.
	arc; and observe the sun on the merdidian at noon; the
/	resulting lat. is 34° 25' N.
	West on S. bdy. of sec. 33
	Ascend.
3.00	Ridge bears N. W. and S. E. descend.
	Difference between measurements of 40.00 chs. by two
	sets of chainmen is 2 lks. position of middle point
	By 1st. set 40.01 chs. By 2nd. set 39.99 chs.; the mean of which is
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in
40.00	the ground for standard t sec. cor., marked on brass cap
	\$33 in N. half; and raise a mound of stone 2 ft. base
	$\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
57.35	Cross wash 10 lks. wide course N. W.
63.84	Cross fence beras N. and S.
65.40	Cross wash 10 lks. wide course N.
69.71	Cross fence bears N. and S.
	Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks. position of middle point
	By 1st. set 80.04 chs.
	By 2nd. set 79.96 chs.; the mean of which is
80.00	Set an iron post 3 ft. long, 3 ins. diam., 34 ins. in
-	the ground for standard cor. of secs. 32 and 33, marked
	on brass cap
! !	Tl3NR7W in N. half;
	S33 in N. W. and S33 in N. E. quadrants; and raise a
	mound of stone 2 ft. base 12 ft. high, N. of cor. Pits
	impracticable. Land, mountainous.
	Soil, rocky; 4th. rate.
	No timber.
	Undergrowth, oak, catclaw and cactus.
	April 6, 1911.
	Π το

April 6, 1911.

April 8: At 8h. 00m. a.m., 1.m.t., I set off 34° 35' N.

Third Standard Parallel North, through Rg. 7 W.

Chains.

on the lat. arc;  $6.57\frac{1}{2}$ . N. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 32 and 33

Thence I run

West on S. bdy. of sec. 32
Ascend steep N. E. slope through dense brush.
Ridge bears N. W. and S. E. Difference between measurements of 40.00 chs. by two . sets of chainmen is 6 lks. position of middle point

By 1st. set 40.03 chs.

By 3nd. set 39.97 chs.; the mean of which is Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard t sec. cor., marked on brass pap 40.00  $\frac{1}{4}$ \$32 in N. half; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable. Difference between measurements of 80.00 chs. by two sets of chainmen is 14 lks. position of middle point By 1st. set 80.07 chs.

By 2nd. set 79,93 chs.; the mean of which is Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 31 and 32, marked 80.00 on brass cap Tl3NR7W in N. half;

S31 in N. W. and S32 in N. E. quadrant; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pite impracticable.

Land, mountainous. Soil, rocky; 4th. rate.

No timber.

Undergrowth; gak, catclaw and cactus.

West on S. bdy. of sec. 31 Descending steep S. W. slope through dense brush.

Cross wash 20 lks. wide course N. W. 31.90

34.00

Ridge bears N. W. and S. E. Cross drain 8 lks. wide course N. 35.60

38.70 Ridge bears N. W. and S. E.

Cross drain 10 lks. wide course N. E. Difference between measurements of 40.00 chs. by two 39.42 sets of chainmen is 4 lks. position of middle point By 1st. set 40.03 chs.

By 2nd. set 39.98 chs.; the mean of which is Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard t sec. cor., marked on brass cap t831 in N. half; and raise a mound of stone 2 ft. base 40.00  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable. Difference between measurements of 80.00 chs. by two sets of chainmen is 10 lks. position of middle point

By 1st. set 80.05 chs.

By 2nd. set 79.95 chs.; the mean of which is
Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
the ground for standard cor. of Tps. 13 N. Rgs. 7 and 8 80.00 W. marked on brass cap

Tl3N in N. half;

\$36R8W in N. W. and R7W\$31 in N. E. quadrants; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Fits impracticable. Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, oak, paloverde, catclaw and cactus.
April 8: At this cor. I set off 7° Ol' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 25' N.

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BOOK 2268
          Third Standard Parallel North, through Rg. 8 W.
 Chains.
             West on S. bdy. of sec. 36.
             Ascending steep rocky granite mountains. Ridge bears N. W. and S. F. Cross drain 7 lks. wide course N. W. Ridge bears N. W. and S. E.
 21.35
 32.35
 38.00
             Difference between measurements of 40.00 chs. by two
             sets of chainmen is 8 lks. position of middle point
             By 1st. set 40.04 chs.

By 2nd. set 39.96 chs.; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in.
the ground for standard t sec. cor., marked on brass cap
 40.00
             $36 in N. half; and raise a mound of stone 2 ft. base
            lo ft. high, N. of cor. Pits impracticable. Cross drain 20 lks. wide course N. W. Ridge bears N. W. and S. E.
 53.40
 65.25
 78.68
            Cross wash 40 lks. wide course N. W.
             Difference between measurements of 80.00 chs. by two
             sets of chainmen is 12 lks. position of middle point
            By 1st. set 80.06 chs.

By 2nd. set 79.94 chs.; the mean of which is

Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
80.00
             the ground for standard cor. of secs. 35 and 36, marked
            on brass cap
Tl3NR8W. in N. half;
S35 in N. W. and S36 in N. E. quadrant; and raise a mo
mound of stone 2 ft. base 12 ft. high, N. of cor. Pits
            impracticable.
            Land, mountainous. Soil, rocky; 4th. rate.
            No timber.
            Undergrowth, oak, catclaw and cactus.
                                                                          March 8, 1911.
            Mpril 9: At 7h. 00m. a.m., l.m.t., I set off 34c 25' N. on the lat. arc; 7c 20' N. on the decl. arc; and
            determine a meridian with the solar at the standard cor.
            of secs. 35 and 36
                      Thence I run
            West on S. bdy. of sec. 35
Descending over huge granite boulders.
            Cross wash 8 lks. wide course N. W. Cross wash 8 lks. wide course N. Ridge bears N. W. and S. E.
  2.65
  4.18
20.25
            Cross wash 25 lks. wide course S. E.
38.00
            Difference between measurements of 40.00 chs. by two
            sets of chainmen is 4 lks. position of middle point
            By 1st. set 40.02 chs.

By 2nd. set 39.98 chs.; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 36 ins. in
the ground for standard t sec. cor., marked on brass cap
40.00
            $35 in N. half; and raise a mound of stone 2 ft. base
            To ft. high, No of cor. Pits impracticable. Cross drain 20 lks. wide course S. E. Ridge bears N. W. and S. E.
43.90
54.00
            Pifference between measurements of 80.00 chs. by two
            sets of chainmen is 10 lks. position of middle roint
           By 1st. set 80.05 chs.

By 3nd. set 79.95 chs.; the mean of which is
Set an iron post 3 ft. long, 3 ins. diam., 34 ins. in
the ground for standard cor. of secs. 34 and 35, marked
80.00
            on brass cap
            Tl3NR8W in N. half;
            $34 in N. W. and $35 in N. F. quadrant; and raise a mo
            mound of stone 2 ft. base 12 ft. high, N. of cor. Pits
            impracticable.
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Undergrowth, oak, paloverde, catclaw and cactus.

Land, mountainous.

Soil, rocky; 4th. rate.

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BOOK 2268

Third Standard Parallel North, through Rg.

Chains.

April 9: At this cor. I set off 7° 23' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 35' N.

West on S. bdy. sec. 34 Descending over huge granite boulders through dense brush.

Cross wash 35 lks. wide course S. W. Ridge bears N. W. and S. E. 6.17

9.40

Cross wash 18 lks. wide course S. W. 11.47

14.00 Ridge bears N. W. and S. E.

16.85

Cross wash 100 lks. wide course S. W. Ridge bears N. W. and S. E. 38.00 Difference between measurements of 40.00 chs. by two. sets of chainmen is 8 lks. position of middle point By 1st. set 40.04 chs.

By 2nd. set 39.96 chs.; the mean of which is Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard t sec. cor., marked on brass cap 40.00 \$34 in N. half; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits impracticable. Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks. position of middle point

By 1st. set 80.04 chs.

By 2nd. set 79.96 chs.; the mean of which is Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 33 and 34, marked 80.00 on brass cap Tl3NR8W in N. half; S33 in N. W. and S34 in N. E. quadrant; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits

impracticable. Land, mountainous. Soil, rocky; 4th. rate.

No timber.

Undergrowth; oak, paloverde and catclaw.

April 9, 1911

April 10: At 7h. 60m. a.m., l.m.t., I set off 34° 25', N. on the lat. arc; 7° 42' N. on the decl. arc; and d determine a meridian with the solar at the standard cor. of secs. 33 and 34

Themce I run West on S. bdy. of sec. 33.
Descending over huge granite boulders through dense brush.

24.00 Cross wash 8 lks. wide course S.

Ridge bears N. W. and See E. 28.00

31.17 33.46

Cross wash 7 lks. wide course S. W. Ridge bears N. W. and S. E. Cross wash 7 lks. wide course S. W. 35.55 Difference between measurements of 40.00 chs. by two

sets of chainmen is A lks. position of middle point

By lst. set 40.03 chs.

By 2nd. set 39.98 chs.; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in
the ground for standard t sec. cor., marked on brass cap
t\$33 in N. half; and raise a mound of stone 2 ft. base

La ft. high. N. of cor. Fite imprecticable 40.00 12 ft. high, N. of cor. Fits impracticable. Cross wash 6 lks. wide course S. W. Ridge bears S. W. and N. E.

43.00

47.00

Cross wash 5 lks. wide course S. W. Cross wash 5 lks. wide course N. W. Cross wash 5 lks. wide course S. W. 49.00

57.25

58.25

64.00 Ridge bears N. E. and S. W.

Third Standard Parallel North, through Rg. 8 W. Chains 65.70 Foot of mountains and over rolling land. 77.90 Cross wash 15 lks. wide course N. W. Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks. position of middle point By 1st. set 80.03 chs. By 2nd. set 79.97 chs.; the mean of which is Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in **୦୦.୦**ଓ the ground for standard cor. of secs. 32 and 33, marked on brass cap TI3NR8W in N. half; S32 in N. W. and S33 in N. E. quadrant; dig pits 24 x 18 x 12 ins. crosswise on each line E. and W. 3 ft. and N. of post 7 ft. dist., and raise a mound of earth 4 ft. base 3 ft. high, N. of cor. Land, mountainous and rolling. Soil, Rocky, decomposed granite; 4th. rate. No timber. Undergrowth, greasewood, mesquite, paloverde and cactus. April 10: At this cor. I set off 7 45% N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 25' N. West on S. bdy. of sec. 32 Over rolling land through dense brush. Cross wash 15 lks. wide course S. W. Cross wash 7 lks. wide course S. Cross wash 5 lks. wide course S. W. 4.15 15.15 22.75 Cross wash 10 lks. wide course S. W. 31.00 Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks. Position of middle point By 1st. set 40.03 chs.

By 2nd. set 39.97 chs.; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in
the ground for standard 1 sec. cor., marked on brass cap 40.00 1838 in N. half; from which

A mesquite 7 ins. diam., bears N. 79° E. 57 lks.

dist., marked S C + S 32 B T. NO OTHER TREE AVAILABLE

Cross wash 10 lks. wide course N. W.

RAISE A MOUND OF STONE

PASE LYET HIGH NOF GOR. 40.60 2 FT. BASE, 1% FT. HIGH, N. OF GOR. 45.75 Cross wash 10 lks. wide course S. Cross wash 45 lks. wide course N. 62.75 63.00 Road bears N. and S. Cross wash 12 lks. wide course N. E. 70.00 Pifference between measurements of 80.00 chs. by two sets of chainmen is 8 lks. position of middle point By 1st. set 80.04 chs. By Sns. set.79.96 chs.; the mean of which is Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 31 and 32, marked 80.00 on brass cap TIENREW in N. half,
S31 in N. W. and S52 in N. E. quadrant; from which
A mescuite 8 in. diam., bears N. 146 E. 140
lks. dist., marked SCT13NR8WS32BT. No other tree available. Raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Land, rolling. Soil, sandy and gravelly; coarse; dry; and. rate. No timber.

April 10, 1911

April 11; At 7h. 00m. a.m., 1.m.t., I set off 34° 25' N. on the lat. arc; 8° 04' N./ on the decl. arc; and determine a meridian with the solar at the standard car. of secs. 31 and 32

Undergrowth, mesquite, greasewood, raloverde and cactus.

#### Third Standard Parallel North, through Rg. 8 W.

Chains. Thence I run West on S. bdy. of sec. 31
Ascend E. slope of mountains through dense brush. 2.25 Cross wash 8 lks. wide course N. Cross wash 8 lks. wide course N. E. 4.70 18.00 Cross wash 80 lks. wide course N. E. Pifference between measurements of 40.00 chs. by two sets of chainmen is 4 lks. position of middle point By lst. set 40.02 chs.

By and. set 39.98 chs.; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in
the ground for standard 4 sec. cor., marked on brass
cap t331 in N. half; and raise a mound of stone 2 ft. 40.00 base 12 ft. high, N. of cor. Pits impracticable. Ridge bears N. W. and S. E. 73.00 Difference between measurements of 80,00 chs. by two sets of chainmen is 12 lks. position of middle point By 1st. set 80.06 chs. By 2nd. set 79.94 chs; the mean of which hs Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of Tps. 13 N. Rgs. 8 and 00.08 9 W., marked on brass cap Tl3N in N. half; R9WS36 in N. W. and R8WS31 in N. E. quadrant; and raise a mound of stone 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor. Pits impracticable. Land, mountainous. Soil, rocky, 4th. rate. No timber.

Undergrowth, greasewood, paloverde and cactus.

SOOK 2268 Rg. 9 ₩

	Third Standard Parallel North, through Rg. 9 W.
Chains.	•
	West on S. bdy. of sec. 36
15.35	Pescending t rough dense brush Cross drain 5 lks. wide course S.
18.60	Ridge bears N. W. and S. E.
20.25	Cross drain 40 lks. wide course S. E.
30.00	Ridge bears N. W. and S. E.
	Difference between measurements Of 40.00 chs. by two
	sets of chainmen is 8 lks. position of middle point
	By 1st. set 40.04 chs. By 3nd. set 39.96 chs.; the mean of which is
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in
	the ground for standard t sec. cor., marked on brass cap
	\$36 in N. half; and raise a mound of stone 2 ft. base
43.55	la ft. high, N. of cor. Pits impracticable.
41.55	Cross wash 35 lks. wide course S. E. Ridge bears N. W. and S. E.
54.75	Cross wash 50 lks. wide course S. F.
57.50	Prain 40 lks. wide course S. F.
70.50	Fidge bears N. W. and S. E.
	Difference between measurements of 80.00 chs. by two
	sets of chainmen is 14 lks. position of middle poinf By 1st. set <b>80.</b> 07 chs.
	By 2nd. set 79.93 chs.; the mean of which is
80.00	Set an iron post 3 ft. long, 3 ins. diam., 34 ins. in
	the ground for standard cor. of secs. 35 and 36, marked
	on brass cap
	Tl3NR9W in N. half; 835 in N. W. and 836 in N. E. quadrant; and raise a
	mound of stone 2 ft. base 12 ft. high, N. of cor. Pits
	impracticable.
	Land, mountainous.
	Soil; rocky; 4th. rate.
!	No timber. Undergrowth, paloverde, greasewood and cactus.
	April 11; At this cor. I set off 8° 072' N. on the decl.
	arc; and dbserve the sun on the meridian at noon; the
	resulting lat. is 34° 25' N.
	West on S. bdy. of sec. 35
7.40	Descending through dense brush.
18.50	Cross wash 50 lks. wide course N. W. Ridge bears N. W. and S. F.
26.10	Cross wash 70 lks. wide course N. W.
	Pifference between measurements of 40.00 chs. by two
	sets of chainmen is 6 lks. position of middle point
	By 1st. set 40.03 chs. By 3nd. set 39.97 chs.; the mean of which is
40.00	Set an iron post 3 ft. long, 1 in. diam., 26 ins. in
-5000	the ground for standard & sec, cor. marked on brass cap
	\$35 in N. half; and raise a mound of stone 2 ft. base
10 50	light. high; N. of cor. Pits impracticable.
40.50 50.00	Ridge bears N. W. and S. F. Cross wash 30 lks. wide course S. W.
59.05	Ridge bears N. E. and S. W.
70.50	Cross Santa Maria River, clear running water 8 ins. deep
	60 lks. wide course S. and ascend.
	Difference between measurements of 80.00 chs. by two
	sets of chainmen is 10 lks. Position of middle point  By lst. set 80.05 chs.
	By 2nd. set 79.95 chs.; the mean of which is
80.00	Set an iron post 3 ft. long, 3 ins. diam., 34 ins. in
	the ground for standard cor. of secs. 35 and 36, marked
	on brass cap Tl3NR9W in N. half;
	S34 in N. W. and S35 in N. E. quadrant; and raise a
	mound of stone 2 ft. base 12 ft. high, N. of cor. Pits
	impracticable.
	Land, mountainous.

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Third Standard Farallel North, through Rg. 9 W

Chains.

Soil; rocky; 4th. rate. No timber. Undergrowth, greasewood, paloverde and cactus.

April 11, 1911.

April 13: At 7h  $\approx 00$ mm, alm., then 14.4 I set off 34° 35' N. on the lat. arc; 8°  $36\frac{1}{2}$  VN. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 34 and 35

Thence I run West on S. bdy. of sec. 34 Ascending through dense brush.

Ridge bears N. F. and S. W. 27.00 Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks. position of middle point

Py 1st. set 40.03 chs.

By 2nd. set 39.97 chs.; the mean of which is Set an iron post 3 ft. long, 1 in. diam., 36 ins. in the ground for standard to sec. cor., marked on brass cap 1834 in N. half; and raise a mound of stone 2 ft. base 40.00 12 ft. high, N. of cor. Pits impracticable.

Cross wash 15 lks. wide course 8. W. 40.30

46.50

55.15

65.15

Ridge bears N. E. and S. W. Cross wash 20 lks. wide course S. W. Ridge bera s N. W. and S. E. Cross wash 15 lks. wide course S. W. Pidge bears N. W. Cross wash 15 lks. wide course S. W. 69.00

73.00 Ridge bears N. W. and S. E.

Cross wash 15 lks. wide course S. W. 78.32 Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks. rosition of middle point By 1st. set 80.04 chs.

By 3nd. set 79.96 chs.; the mean of which is Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standadr cor. of secs. 33 and 34, marked 80.00 on brass cap

Tl3NR9W in N. half;

S33 in N. W. and S34 in N. F. quadrant; and raise a mound of stone Boft. base light. high, N. dof cor 4Pits impracticables. impracticables. Figure, noble 80

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, greasewood, paloverde and cactus. At this cor. I set off 8c 30' N. on the decl. arc; and observe the sun on the meridian at noon April 13: the resulting lat. is 34° 25' N.

West on S. bdy. of sec. 33 Descending through dense undergrowth. Cross wash 5 lks. wide course S.

5.00 18.40

Ridge bears N. W. and S. E. Cross wash 60 lks. wide course S. E. 26.00

Ridge bears N. E. and S. W. 31.00

Cross wash 75 lks. wide course S. 34.00

36.00 Ridge bears N. E. and S. W. Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks. position of middle point By 1st. set 40.04 chs.

By 2nd. set 39.96 chs.; the mean of which is Set an iron post 3 ft. long, 1 in. diam., 36 ins. in the ground for standard t sec. cor., marked on brass cap 1533 in N. half; and raise a mound of stone 2 ft. base 40.00 12 ft. high, N. of cor. Pits impracticable. Cross wash 40 lks. wide ccurse S.

42.00

Ridge bears N. W. and S. E. 52.50

	ு <b>BOOK</b> ் <b>22</b> 68
	Third Standard Parallel North, through Rg. 9 W.
Chains	
63.00	Cross drain 15 lks. wide course S. W. Pifference between measurements of 80.00 chs. by two
	sets of chainmen is 12 lks. position of middle point
	By lst. set 80.06 chs.
80.00	By Ond. set 79.94 chs.; the mean of which is
00.00	Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 32 and 33, marked
	on brass cap
	T13NR9W in N. half;
	S32 in N. W. and S33 in N. F. quadrant; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits
	impracticable.
	Land, mountainous. Soil, rocky; 4th. rate.
	No timber.
	Undergrowth, greasewood and paloverde and cactus.
	April 18, 1911.
	And the storage state one can be say that the
	u
	April 13; At 7h. 00m. a.m., 1.m.t., I set off 34° 35' N.
	on the lat. arc; 8° 48½' N. on the decl. arc; and determine a meridian with the solar at the standard cor. of
	secs. 32 and 33
••.	Thence I run
2.50	West on S. bdy. of sec. 32 Cross wash 75 lks. wide course S.
21.00	Cross drain 30 lks. wide course S. E.
	Difference between measurements of 40.00 chs. by two
	sets of chainmen is 2 lks. position of middle point By 1st. set 40.01 chs.
	By 2nd. set 39.99 chs.; the mean of which is
40.00	Set an iron post 3 ft. long, I in. diam., 26 ins. in
	the ground for standard t sec. cor., marked on brass cap t\$38 in N. half; and raise a mound of stone 2 ft, base
	lż ft. high, N. of cor. Pits impracticable.
42.80 77.15	Ridge bears N. W. and S. E. Cross wash 30 lks. wide course S. W.
79.00	Ridge bears N. and S.
	Difference between measurements of 80.00 chs. by two
	sets of chainmen is 8 lks. Position of middle point
•	By 1st. set 80.04 chs. By 3nd. set 79.96 chs.; the mean of which is
<b>80.</b> 00	Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
	the ground for standard cor. of secs. 31 and 32, marked on brass cap
	Tl3NR9W in N. half;
	S31 in N.W. and S32 in N. E. quadrant; and raise a m
	mound of stone 2 ft. base $\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
	Land, mountainous.
	Soil, rocky; 4th. rate.
	No timber. Undergrowth, greasewood, paloverde and cactus.
	April 13: At this cor. I set off 8' 51g' N. on the decl.
	arc; and observe the sun on the merdiian at noon; the
	resulting lat. is 34° 25' N.
	The state and the
	West on C. har of and 73
!	West on S. bdy. of sec. 31 Pescending through dense brush.
1.00	Cross wash 15 1ks. wide course S.

1.00 3.00 5.00 13.25

Cross wash 15 lks. wide course S.
Ridge bears N. W. and S. E.
Cross wash 15 lks. wide course S.
Ridge bears N. W. and S. E.
Cross wash 15 lks. wide course S. W.
Difference between measurements of 40.00 chs. by two
sets of chainmen is 8 lks. position of middle point
By 1st. set 40.04 chs. 20.60

Third Standard Parallel North, through Chains. By 2nd. set 39.96 chs.; the mean of which is Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard t sec. cor., marked on brass cap 40.00 1831 in N. half; from which A cedar9 ins. diam., bears N. 74° E. 13 lks. dist. Marked Sc4S3lBT A cedar 8 ins. diam., bears N. 66to W. 76 lks. dist., marked SC4S31BT Cross wash 12 lks. wide course N. E. Ridge bears N. E. and S. W. Cross wash 15 lks. wide course N. E. 43.90 47.00 49.00 Ridge bears N. E. and S. W. Cross wash 15 lks. wide course N. E. 50.00 52.00 Ridge bears M. E. and S. W. Cross wash 15 lks. wide course N. E. Ridge bears N. W. and S. E. 53.00 54.00 56.00 Cross wash 20 lks. wide course N. E. 78.00 Difference between measurements of 80.00 chs. by two sets of chainmen is 12 lks. position of middle point By 1st set. 80.06 chs.

By 2nd. set 79.94 chs.; the mean of which is
Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
the ground for standard cor. of Tps. 13 N. Rgs. 9 and 10 80.00 W., marked on brass cap Tl3N in N. half; Rlows36 in N. W. and R9WS31 in N. E. quadrant; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits impracticable. . Land, mountainous. Scil, rocky; 4th. rate. No timber. Undergr wth, greasewood, paloverde and cactus.

April 13, 1911

15 SOLVE SALES BOOK 2268 . Third Standard Parallel North, through Rg. 10 W Chains. April 14: At 7h. COm. a.m., l.m.t., I set off 34° 25' N. on the lat. arc; 9° 10' N. on the decl. arc; and 1 5 determine a meridian with the solar at the standard cor. of Tps..13 N. Rgs. 9 and 10 W. Thence I run West on S. bdy. of sec. 36. Ascending E. slope of mountains, through dense brush. 13.00 Ridge bears N. W. and S. E. Cross wash 18 lks. wide course S. W. Ridge bears N. and S. 25.10 33.CO Pifference between measurements of 40.00 chs. by two sets of chainmen is 4 lks. position of middle point By lst. set 40.03 chs.

By 2nd. set 39.98 chs.; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in
the ground for standard t sec. cor., marked on brass 40.00 cap 4836 in N. half; and raise a mound of stone 2 ft. base 1g ft. high, N. of cor. Pits impracticable. Cross wash 10 lks. wide course S. Ridge bears N. W. and S. E. 45.85 47.75 48.40 Cross wash & lks. wide course S. 51.55 Ridge bears N. W. and S. E. Cross wash 7 lks. wide course S. Ridge bears N. W. and S. E. Cross wash 8 lks. wide course S. 54.35 58.45 61.CO 68,00 Ridge bears N. W. and S. E. 74.60 Cross wash 50 lks. wide course S. E. Difference between measurements of 80.00 chs. by two sets of chainmen is 10 lks. position of middle point. By 1st. set 80.05 chs. By 2nd. set 79.95 chs.; the mean of which is Set an iron rost 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 35 and 36, marked 80.00 on brass cap Tl3NRlOW in N. half; S35 in N. W. and S36 in N. E. quadrant; and raise a mound of stone 2 ft. base  $l_2^2$  ft. high, N. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, paloverde, mesquite, greasewood and cattus. April 14: At this cor. I set off 9° 132' N. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 25' N. West on S. bdy. of sec. 35 Ascending through dense brush Ridge bears N. E. and S. W. 30.00 35.75 Cross wash 25 lks. wide course N. E. Difference between measurements of 40.00 chs. by two

40.00

sets of chainmen is 6 lks. position of middle point

By lst. set 40.0% chs.

By 2nd. set 39.9% chs.; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in
the ground for Standard t sec. cor. marked on brass cap

12 ft. high, N. of cor. Pits impracticable.

Cross wash 20 lks. wide course N. F.

68.35 78.15

Cross same wash course S. E. Difference between measurements of 80.00 chs. by two. sets of chainmen is 12 lks. Position of middle point.

By 1st. set 80.06 chs.

80.00

By 2nd. set 79.94 chs.; the mean of which is Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 34 and 35, marked on brass cap

Tl3NRlOW in N. half;

## BOOK 2268

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Third Standard Parallel North, through Rg.
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\$34 in N. W. and \$35 in N. F. quadrant; and raise a mound of stone 2 ft. base  $l_{2}^{+}$  ft. high, N. of cor. Pits impracticable.

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, greasewood, paloverde and cactus.

April 14, 1911.

April 15: At 7h. 00m. a.m., l.m.t., I set off 34° 25' N. on the lat. arc; 9° 31½' N. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 34 and 35

Thence I run

West on S. bdy. of sec. 34.
Over rough mountainous. land through dense brush.
Cross wash 30 lks. wide course N. E.

0.70 1.30 Cross wash 20 lks. wide course S. E/-

Cross wash 20 lks. wide course N. E. Ridge bears N. W. and S. E. Cross wash 15 lks. wide course S. 5.40

25.50

28.00

Difference between measurements of 40.00 chs. by two. sets of chainmen is 3 lks. position of middle point

By lst. set 40.01 chs.

By 2nd. set 39.99 chs.; the mean of which is Set an iron post 3 ft. long, 1 in. diam. 26 ins. in the ground for standard t sec. cor., marked on brass cap \$34 in N. half; and raise a mound of atone 2 ft. base 40.00 12 ft. high, N. of cor. Pits impracticable. Ridge bears N. W. and S. E.

41.00

Cross wash 20 lks. wide course S. E. 45.00

53.00

Ridge bears N. and S. Cross wash 12 lks. wide course N. 60.15

Ridge bears N. W. and S. E. 71.00 Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks. position of middle point

By 1st. set 80.04 chs.

By 2nd. set 70.96 chs.; the mean of which is
Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
the ground for standard cor. of secs. 33 and 34, marked 80.00 on brass cap

Tl3NRlOW in N. half; S33 in N. W. and S34 in N. E. quadrant; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits impracticable.

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, greasewood, paloverde and cactus.

West on S. bdy. of sec. 33

Over rough mountainous land, through dense brush.

Cross wash 12 1ks. wide course N. E. a.10

9.50

Ridge bears N. F. and S. W. Cross wash 25 lks. wide course N. E. 11.25

17.00

Ridge bears N. E. and S. W. Cross wash 15 lks. wide course S. 21.90

27.50

Ridge Bears N. and S. Cross wash 20 lks. wide course S. 29.00

Ridge bears N. and S. 33.70

36.00 Cross wash 20 lks. wide course S. W. Difference between measurements of 40.00 chs. by two. sets of chainmen is 6 lks. position of middle point

By 1st. set 40.03 chs.
By 2nd. set 39.97 chs.; the mean of which is Set an iron post 3 ft. long, 1 in. diam., 26 ins. in 40.00

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	Third Standard Parallel North, through Rg. 10 W.
Chai	ms.
	the ground for standard t sec. cor., marked on brass cap t\$33 in N. half; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits impracticable.
48.0	
54.0	
60.5	
68.0	
74.4	
	Difference between measurements of 80.00 chs. by two
	sets of chainmen is 10 lks. position of middle point
	By 1st. set 80.05 chs.
90 0	By 2nd. set 79.95 chs.; the mean of which is
80.0	O Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 32 and 33, marked
	on brass cap
	T13NR1OW in N. half;
	832 in N. W. and 833 in N. F. quadrant; and raise a
	mound of stone 2 ft. base 12 ft. high, N. of cor. Pits
	impracticable.
	Land, mountainous.
	Soil, rocky; 4th. rate.
	No timber.
	Undergrowth, greasewood, paloverde and cactus.
.**	April 15: At this cor. I set off 9° 35' N. on the decl.
	arc; and observe the sun on the meridian at noon; the
	resulting lat. is 34° 25' N.
	Mage diago anni miga. Turi anni a dia diago anni
	West on S. bdy. of sec. 32.
	Ascending through dense brush.
3.5	O Ridge bears N. E. and S. W.
9.0	
25.7	
39.2	5 Cross wash 20 lks. wide course S.
	Difference between measurements of 40.00 chs. by two
	sets of chainmen is 4 lks. position of middle point
	By 1st. set 40.03 chs.
40.0	By 3nd. set 39.98 chs.; the mean of which is
40.0	O Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard t sec. cor., marked on brass cap
	\$32 in N. half; and raise a mound of stone 2 ft. base 1
	ft. high N. of cor. Pits impracticable.
49.0	
64.2	· · · · · · · · · · · · · · · · · · ·
68.0	
71.7	O Ridge bears N. W. and S. E.
76.3	
	Difference between measurements of 80.00 chs. by two
	sets of chainmen is 6 lks. rosition of middle point
	By 1st. set 80.03 chs.
80.0	By 3nd. set 79.97 chs.; the mean of which is
00.0	O Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 31 and 32, marked
	on brass cap
	Tl3NRlOW in N. half;
	S31 in N. W. and S32 in N. F. quadrant; and raise a
	mound of stone 2 ft. base 12 ft. high, N. of cor. Pits
	impracticable.
	Land, mountainous.
	Soil, rocky; 4th. rate.
	Timber, a few scattering cedars.
	Underbrush, greasewood, oak, paloverde and cactus.
	A : : 1
	April 15, 1911.
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April 17: At 7h. 00m. a.m., l.m.t., I set off 34° 35'N.

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Third Standard Parallel North, through Rg. 10 W. Chains. on the lat. arc; 10° 14½! N. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 31 and 32 Thence I run West on S. bdy. of sec. 31 Over rough mountainous land, through dense brush. Ridge bears N. W. and S. E. Cross wash 30 lks. wide course N. W. 1.50 3.80 7.00 Ridge bears N. W. and S. E. 8.55 Cross wash 8 lks. wide course N. 21.00 Ridge bears N. W. and S. E. Cross wash 10 lks. wide course N. W. Ridge bears N. W. and S. E. 22.50 24.00 Cross wash 13 lks. wide course N. 28.80 29.75 Ridge bears N. W. and S. E. Cross wash 90 lks. wide course N. E. 33.00 Cross wash 40 lks. wide course N. E. Difference between measurements of 40.00 chs. by two 37.00 sets of chainmen is 8 lks. position of middle point By 1st. set 40.04 chs. By 2nd. set 39.96 chs.; the mean of which is Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard t sec. cor., marked on brass cap 4831 in N. half; and raise a mound of stone 2 ft. base 40.00 12 ft. high, N. of cor. Pits impracticable. Enter wash 40 lks. wide course N. E. and cross and re-40.75 cross same to Leave wash bears N. W. 52.20 Ridge bears N. E. and S. W. Cross wash 12 lks. wide course N. 57.00 58.45 Ridge bears N. E. and S. W. Cross wash 25 lks. wide course N. E. Ridge bears N. E. and S. W. Cross wash 30 lks. wide course N. E. 61.5063.00 69.00 73.00 Difference between measurements of 80.00 chs. by two sets of chainmen is 13 lks. rosition of middle point By 1st. set 80.06 chd.

By 2nd. set \$9.94 chs.; the mean of which is

Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
the ground for standard cor. of Tps. 13 N. Egs. 10 and 80.00 11 W. marked on brass cap T13N in N. half; RIIWS36 in N. W. and RIOWS31 in N. E. quadrant; and raise a mound of stone 2 ft. base 1/2 ft. high, N. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4th. rate. · No timber. Undergrowth, greasewood, paloverde and cactus.
April 17: At this cor. I set off 10° 17½' N. on the decl. arc; and observe the sun on the meridian at noon;

the resulting lat. is 34° 25' N.

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Third Standard Parallel North, through Rg.
Chains
            West on S. bdy. of sec. 36
Descending through dense brush.
 8.35
            Cross wash 20 lks. wide course S. E.
13:88
            Ridge bears N. F. and S. W.
            Cross wash 30 lks. wide course N. E. Ridge bears N. E. and S. W. Cross wash 15 lks. wide course N. E.
24.00
33.00
38.00
            Ridge bears N. E. and S. W.
            Cross wash 10 lks. wide course N. F.
39.10
39.80
            Ridge bears N. E. and S. W.
            Difference between measurements of 40.00 chs. by two
            sets of chainmen is 6 lks. rosition of middle point
                      By lst. set_40.03_chs.
            By 2nd. set 39.97 chs.; the mean of which is Set an iron rost 3 ft. long, 1 in. diam., 26 ins. in the ground for standard t sec. cor., marked on brass cap $36 in N. half; and raise a mound of stone 2 ft. base
40.00
            12 ft. high, N. of cor, Pits impracticable.
41.75
            Cross wash 15 lks. wide course N. E.
            Ridge bears N. E. and S. WI
Cross wash 20 lks. wide course N. E.
45.50
56.15
            Ridge bears N. E. and S. W.
64.00
74.00
            Cross wash 18 lks. wide course S. E.
            Difference between measurements of 80.00 chs. by two
            sets of chainmen is 14 lks. position of middle point

By 1st. set $0.07 chs.

By 2nd. set 73.93 chs.; the mean of which is

Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in th

the ground for standard cor. of secs. 35 and 36, marked
80.00
            on brass cap
Tl3NRllW in N. half;
S35 in N. W. and S36 in N. F. quadrant; and raise a
            mound of stone 2 ft. base 12 ft. high, N. of cor. Pits
            impracticable.
            Land, mountainous.
            Soil, rocky; 4th. rate.
            No timber.
            Undergrowth, paloverde, oak and cactus.
                                                                   April 17, 1911.
           April 18: At 7h. 00m. a.m., l.m.t., I set off 54° 35' N. on the lat. arc; 10° 35½' N. on thedecl. arc; and determine a meridian with the solar at the standard cor. of
            secs./35 and 36
                     Thence I run
            West on S. bdy. of sec. 35 Ascend through dense brush. Ridge bears N. W. and S. E.
14.00
            Cross drain 8 lks. wide course S.
28.00
32.60
            Ridge bears N. and S.
            Pifference between measurements of 40.00 chs. by two
            sets of chainmen is 3 lks. Position of middle point
                     By 1st. set 40.01 chs.
            By 2nd. set 39.99 chs.; the mean of which is Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard t sec. cor., marked on brass cap
40.00
            $35 in N. half; and raide a mound of stone 2 ft. base left. high, N. of cor. Pits impracticable. Cross wash 12 lks. wide course S. W.
44.80
           Ridge bears N. E. and S. W. Cross wash 15 lks. wide course S. W. Ridge bears N. E. and S. W. Cross wash 10 lks. wide carse S. W.
51.00
55.60
60.00
64.80
70.00
            Ridge bears N. W. and S. E.
            Difference between measurements of 20.00 chs. by two
            sets of chainmen is 13 lks. position of middle point
                     By 1st. set 80.06 chs.
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Third Standard Parallel North, through Rg. 11
Chains.
            By 2nd. set 79.94 chs.; the mean of which is Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
80.00
             the ground for standard cor. of secs. 34 and 35, marked
             on prass cap.
             Tl3NRllW in N. half;
            S34 in N. W. and S35 in N. F. quadrant; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits
             impracticable.
             Land, mountainous.
             Soil, rocky; 4th. rate.
            No timber.
             Undergrowth, paloverde, oak and cactus.
            West on S. bdy: of sec. 34
             Descending through dense brush.
             Cross drain 15 lks. wide course S. E.
13.00
            Cross same drain, course N. E. Cross same drain 15 lks. wide course S. E. Ridge bears N. E. and S. W.
15.00
16.00
28,25
             Difference between measurements of 40.00 chs. by two
             sets of chainmen is 6.1ks. position of middle point
            By 1st: set 40.03 chs.

By 2nd. set 39.97 chs.; the mean of which is

Set an iron post 3 ft: long, 1 in. diam., 36 ins. in
the ground for standard t sec. cor.; marked on brass cap
40.00
            1534 in N. half; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits impracticable.

Cross wash 12 lks. wide crurse S. W.

Ridge bears N. E. and S. W.

Cross wash 10 lks. wide course S. W.
41.30
44.25
46.35
             Ridge bears N. and S.
48.00
            Cross wash 20 lks. wide course S. F. Ridge bears N. W. and S. F.
49.00
58.25
             Cross wash 12 lks. wide course S. W.
68.00
             Ridge bears N. E. and S. W.
73.30
             Difference between measurements of 80.00 chs. by two
             sets of chainmen is 10 lks. position of middle point By 1st. set 80.05 chs.
           By 2nd. set 79.95 chs.; the mean of which is Set an iron post 3 ft. long, 3 ins. diam., 34 ins. in the ground for standard cor. of secs. 33 and 34, marked
80.00
             on brass cap
Tl3NR11W in N. half; ...
             S33 in N. W. and S34 in N. E. quadrant; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits
             impracticable.
             Land, mountainous. Soil, rocky; 4th. rate.
             No timber.
            Undergrowth, paloverde, oak, and cactus.
April 18: At this cor. I set off 10° 382' N. on the decl arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 35' N.
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West on S. bdy. of sec. 33

Descending through dense brush.

8.80 Cross wash 15 lks. wide course S. W.

Ridge bears N. E. and S. W.

13.40 Cross wash 16 lks. wide course S. W.

16.85 Cross wash 15 lks. wide course S. W.

34.00 Ridge bears N. E. and S. W.

37.00 Cross wash 70 lks. wide course S.

Pifference between measurements of 40.00 chs. by two sets of chainmen is 4 lks. positione of middle point.

By 1st. set 40.02 chs.

By 2nd. set 39.98 chs.; the mean of which is

Third Standard Parallel North, through Rg. 11 W. Chains. 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for Standard t Sec. cor., marked on brass cap is ft. high, N. of cor. Pits impracticable. Cross wash 20 lks. wide course S. W. 42.50 46.30 Cross wash, 30 lks. wide course S. E. 52.00 Ridge bears N. E. and S. W. 57.50 Cross wash 25 lks. wide course S. Ridge bears N. E. and S. W. 64.00 Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks. position of middle point By 1st. set 80.04 chs.

By 3nd. set 79.96 chs.; the mean of which is Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 32 and 33, marked 30.00 on brass cap Tl3NR11W in N. half; S32 in N. W. and S33 in N. E. quadrant; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits imprac-Land, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, paloverde, mesquite and cactus. April 18, 1911 April 19: At 7h. 00m. a.m., l.m.t., I set off 34° 25' N. on the lat. arc; 10° 562' N. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 32 and 33 Thence I run West on S. bdy. of sec. 32 Descending through dense brush. Cross wash 20 lks. wide course S. W. Ridge bears N. E. and S. W. 1.85 8.00 Cross wash S5 lks. wide course S. W. 27.35 39.15 Ridge bears N. W. and S. E. Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks. position of middle point By lst. set 40.04 chs.

By 2nd. set 39.96 chs.; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in
the ground for standard & sec. cor., marked on brass cap
\$32 in N. half; and raise a mound of stone 2 ft. base 40.00 12 ft. high, N. of cor. Pits impracticable. Cross wash 18 lks. wide course S. E. 63.00 Pifference between measurements of 80.00 chs. by two sets of chainmen is 13 lks. position of middle point By 1st. set 80.06 chs.

By 3nd. set 79.94 chs.; the mean of which is
Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
the ground for standard cor. of secs. 31 and 32, marked 80.00 on brass cap Tlankllw in N. half; S31 in N. W. and S32 in N. E. quadrant; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits impracticable. Land, mountainous. Soil, rocky; 4th. rate. No timber. Undergrowth, mesquite, paloverde and cactus.
April 19: At this cor. I set off 11: 00' N. on the decl arc; and observe the sun on the meridian at noon; the resulting lat. is 34° 25' N.

### BOOK 2268

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	Third Standard Parallel North, through Rg. 11 W.
Chains.	
	West on S. bdy. of sec. 31
	Pescending through dense brush.
24.10	Cross wash 10 lks. wide course S. W.
28.00	Ridge bears N. W. and S. F.
34.00	Cross wash 8 lks. wide course S. W.
	Difference between measurements of 40.00 chs. by two
	sets of chainmen is 4.1ks. position of middle point
	Ry lst. set 40.02 chs.
	By 2nd. set 39.98 chs.; the mean of which is
40.00	Set an iron rost 3 ft. long, 1 in. diam., 26 ins. in
	the ground for standard t sec. cor., marked on brass cap
	1831 in N. half; and raise a mound of stone 2 ft. base
:	12 ft. high, N. of cor. Pits impracticable.
54.50	Ridge bears N. W. and S. E.
69.00	Cross drain. 10 lks. wide course N. W.
74.00	Ridge bears N. W. and S. E.
	Difference between measurements of 80.00 chs. by two
	sets of chainmen is 10 lks. position of middle point
	By 1st. set 80.05 chs.
	By 2nd. set 79.95 chs.; the mean of which is
80.00	Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
	the ground for standard cor. of Tps. 13 N. Rgs. 11 and
	12 W., marked on brass cap
	TI3N in N. half;
	R12WS36 in N. W. and R11WS31 in N. E. quadrant; and raise a mound of stone
	2 ft. base le ft. high, N. of cor. Pits impracticable.
	Land, mountainous.
	Soil, rocky; 4th. rate.
	No timber.
•	Undergrowth, greasewood, paloverde, mesquite and cactus.
	diagram, grouponood, factorial, and

April 19, 1911.

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Third Standard Parallel North, through Rg. 12 W.
  Chains
              April 20: At 7h. 00m. a.m., l.m.t., I set off 34c 25! N. on the lat. arc; llc 172! N. on the decl. arc; and
              determine a meridian with the solar at the standard cor.
              of Tps. 13 N. Rgs. 11 and 12 W.
                       Thence I run
              West on S. bdy. of sec. 36
              Descending through dense brush Cross wash 35 lks. wide course S. W.
   8.00
  10.00
              Cross same wash course N. W.
  14.00
              Cross same wash course S. W.
             Ridge bears N. and S. Cross drain 7 lks. wide course S. E.
  18.40
 24.50
              Pifference between measurements of 40.00 chs. by two
              sets of chainmen is 3 lks. position of middle roint
             By 1st. set 40.01 chs.

By 3nd. set 39.99 chs.; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 36 ins. in

the ground for standard t sec. cor., marked on brass cap

$356 in N. half; and raise a mound of stone 2 ft. base
 40.00
             le ft. high, N. of cor. Pits impracticable. Ridge bears N. and S.
 44.00
             Pifference between measurements of 80.00 chs. by two
             sets of chainmen is 8 lks. Position of middle point
            By 1st. set 80.04 chs.

By 3nd. set 79.96 chs.; the mean of which is

Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
the ground for standard cor. of secs. 35 and 36, marked
 80.00
             on brass cap
             Tl3NR12W in N. half;
S35 in N. W. and S36 in N. F. quadrant; and raise a
mound of stone 2 ft. base 12 ft. high, B. of cor. Pits
             impracticable.
             Land, mountainous.
             Soil, rocky; 4th. rate.
             No timber.
             Undergrowth, mesquite, greasewood, paloyerde and cactus. April 20: At this cor. I set off 11: 202' N. on the decl.
             arc; and observe the sun on the merdiian at noon; the
             resulting lat. is 34° 25' N.
             West on S. bdy. of sec. 35
            Descending through dense Brush. Cross wash 30 lks. wide course S. W.
  9.60
            Ridge bears N. E. and S. W.
24.00
30.00
            Cross wash 20 lks. wide course S. W.
34.15
            Ridge bears N. E. and S. W.
            Difference between measurements of 40.00 chs. by two
            sets of chainmen is 6 lks. position of middle point By 1st set 40.03 chs.
            By 2nd. set 39.97 chs.; the mean of which is Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for standard t sec. cor., marked on brass cap $35 in N. half; and raise a mound of stone 2 ft. base
40.00
            12 ft. high, N. of cor. Pits impracticable
            Cross wash 25 lks. wide course S. W.
45.00
55.35
            Ridge bears N. F. and S. W.
            Difference between measurements of 80.00 chs. by two
            sets of chainmen is 14 lks. Position of middle Point
                     By 1st. set 80.07 chs.
           By 2nd. set 79.93 chs.; the mean of which is Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 34 and 35, marked
80.00
            on brass cap
            T13NR12W in N. half;
           S34 in N. W. and S35 in N. E. quadrant; and raise a m mound of stone 3 ft. base 1\frac{1}{2} ft. high, N. of cor. Pits
           impracticable.
           Land, mountainous.
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Third Standard Parallel North, through Rg. 12
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Chains! Soil, rocky; 4th. rate.

No timber. Undergrowth, greasewood, paloverde and cactus.

April 20, 1911.

April 21: At 7h. COm. a.m.o l.m.t., I set off 34° 25' N. on the lat. arc; ll° 38' N. on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 34 and 35

Thence 'I run

West on S. bdy. of sec. 34 Pescending through dense brush. Cross wash 35 lks. wide course S. Ridge bears N. and S. Cross wash 70 lks. wide course S.

21.65

23.00

25.25

Ridge bears N. E. and S. W. 31.00 Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks. position of middle point

By lst. set 40.02 chs.

By 2nd. set 39.98 chs.; the mean of which is

Set an iron post 3 ft. long, I ins. diam., 26 ins. in
the ground for standard t sec. cor., marked on brass cap 40.00 \$34 in N. helf; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits impracticable. Cross wash 10 lks. wide course S. W.

45.00

48.00

Ridge bears N. and S./ Cross wash 15 lks. wide course S. W. 60.00

69.00

Ridge bears N. and S. Cross wash 100 lks. wide course S. Difference between measurements of 80.00 chs. by two 79.00 sets of chainmen is 10 lks. position of middle point By 1st. set 80.05 chs.

By 2nd. set 79.95 chs.; the mean of which is Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 33 and 34, marked 80.00 on brass cap Tl3NR12W in N. half;

S33 in N. W. and S34 in N. F. quadrant; and raise a mound of stone 2 ft. base  $l_{\frac{1}{2}}$  ft. high, N. of cor. Pits impracticable.

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, greasewood, paloverde, mesquite andcactus. Clouds obscure the sun at noon.

West on S. bdy. of sec. 33 Ascend through dense brush. Ridge bears N. E. and S. W.

4.00 Cross wash 20 lks. wide course S. W. 8.50

Ridge bears N. E. and S. W. 20.00

Rim of canyon descend. 38.00 Difference between measurements of 40.00 chs. by two sets of chainmen is 8 lks. position of middle point

By 1st. set 40.04 chs.

By 2nd. set 39.96 chs.; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 36 ins. in
the ground for standard t sec. cor., marked on brass cap 40.00 \$33 in N. half; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits impracticable.

Cross wash 40 lks. wide course S. 43.00

W. rim of canyon. 46.70 Difference between measurements of 80.00 chs. by two sets of chainmen is 13 lks. position of middle point

By 1st. set 80.06 chs.

By 2nd. set 79.94 chs.; the mean of which is
Set an iron post 3 ft. long, 3 ins. diam., 34 ins. in 00.08

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                                                        BOOK 2268
                Third Standard Parallel North, through Rg. 12 W.
  Chains.
               the ground for standard cor. of secs. 32 and 33, marked
              on brass car
              TI3NR12W in N. half; S32 in N. F. quadrant; and raise a Mound of stone 2 ft. base 12 ft, high, N. of cor. Pits
              impracticable.
              Land, mountainous.
              Soil, rocky; 4th. rate.
              No timber.
              Undergrowth, greasewood, Paloverde, mesquite and cactus.
                                                                       April 21, 1911.
             April 22: At 7h. 00m. a.m., l.m.t., I set off 34c 25' N. on the lat. arc; llc 582' N. on the decl. arc; and determine a meridian with the scalr at the standard cor. of secs. 32 and 33
                       Thence I run
              West on S. bdy. cf sec. 32
              Over mesa land, through dense brush.
             Cross wash 15 lks. wide course S. E. Cross wash 20 lks. wide course S. E. Cross wash 10 lks. wide course S. E.
   5.00
 22.30
 26,35
             Difference between measurements of 40.00 chs. by two
             sets of chainmen is 2 lks. Position of middle point
             By 1st. set 40.01 chs.

By 3nd. set 39.99 chs.; the mean of which is

Set an iron post 3 ft. long, 1 in. diam., 26 ins. in
 40.00
             the ground for standard t sec. cor., marked on brass cap ts32 in N. half; and raise a mound of stone 2 ft. base
             17 ft. high, N. of cor. Pits impracticable. Rim mesa and descend steep rocky W. slope.
 51.20
             Difference between measurements of 80.00 chs. by two
             sets of chainmen is 6 lks. position of middle roint
             By 1st. set 80.03 chs.

By 2nd. set 79.97 chs.; the mean of which is
Set an iron rost 3 ft. long, 3 ins. diam., 24 ins. in
the ground for standard cor. cf secs. 31 and 32, merked
80.00
             on brass cap
             Tl3NR12W in N. half;
             S31 in N. W. and S32 in N. E. quadrant; and raise a mound of stone 2 ft. base left. high, N. of cor. Pits imprac-
             ticable.
            Land, mountainous.
             Soil, rocky; 4th. rate.
            No timber.
            Undergrowth, greasewood, mesquite, paloyerde and cactus. April 22: At off 12: 012' N. on the decl.
            arc; and observe the sun on the merdiian at noon; the
            resulting lat. is 34° 25' N.
            West on S. bdy. of sec. 31
Descending 5. W. slope through dense brush.
Cross wash 25 lks. wide course S. W.
 4.30
            Ridge bears N. and S. Cross wash 25 lks. wide course N. W.
13.50
17.70
28.50
            Ridge bears N. E. and S. W.
            Enter washbears S. F. 25 lks. wide and along in wash Difference between measurements of 40.00 chs. by two
38.45
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sets of chainmen is 4 lks. position of middle point

By 1st. set 40.02 chs. By 2nd. set 39.98 chs.; the mean of which is Point for standard \(\frac{1}{4}\) sec. cor. falls in wash so at Leave wash course S. W.

Set an iron post 3 ft. long, 1 in. diam., 34 ins. in the ground for standard witness \(\frac{1}{4}\) sec. cor.; marked on brass

40.00

43.50

44.00

Third Standard Parallel North, through Rg. 12

Chains.

00.08

cap WC1 in W. half; and S31 in N. E. quadrant; and raise a mound of stone 2 ft. base 12 ft. high, N. of cor. Pits impracticable.

Cross wash 75 lks. wide course S. and ascend steep ridge 52.35

60.00

Ridge bears N. W. and S. E. Cross drain 7 lks. wide course S. E. 63.00

71.30

Ridge bears N. and S. Cross drain 7 lks. wide course S. 79.00 Difference between measurements of 80.00 chs. by two

sets of chainmen is 10 lks. position of middle point

By 1st. set 80.05 chs.;
By 2nd. set 79.95 chs.; the mean of which is
Set an iron post 3 ft. long, 3 ins. diam. 24 ins. in
the ground for standard cor. of Tps. 13 N. Rgs. 12 and 13 W. marked on brass cap T13N in N. half;

R13WS36 in N. W. and RISWS31 in N. F. quadrant; and raise a mound of stone 2 ft. base la ft. high, N. of cor. Pits impracticable.

Land, mountainous. Soil, rocky; 4th. rate.

No timber.

Undergrowth, greasewood and raloverde and cactus.

April22, 1911.

General Pesceiption. This line runs over nearly level land through Rg. 6 W. and the land is level and rolling N. and S. of the line. Through Rgs. 7 to 12W. the line runs over a rough moun-

tainous country crossing the Santa Maria River in Rg. 9 W. where the river runs through a box canyon. The land N. and S. of the line is mountainous and broken.

Affird M. Hirrs U.S. Transitman

# FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

ANTS. 46)
BOOK 2268

LIST OF NAMES.

A list of the names of the individuals employe	day alfred U. a	lwer
, United States De	Flaustunk. Sputy Surveyor, to assist in runni	ng, measuring, and
marking the lines and corners described in the forego	ing field notes of the survey of	he Phird
Standard Parallel North thron	igh Rgs. 6, 7, 8, 9, 10,	11 and 12 W.
showing the respective capacities in which they acted	:	
a. a. Coonel	to, a. E. Lyon	Chainman
Tom Shinfess	el C.S. Crowen Clay Dodson	
	01 10 1	Chainman.
	Cay Noason	, Moundman.
		, Moundman.
	J. P. Ellis	, Axman.
		, Axman.
	E. E. Hanagan	
FINAL OATH OF	ASSISTANTS	
We hereby certify that we assisted	hed U. Oliver	·
	fred U. Oliver	
in the second se	, United States Deputy Surveyor	r, in surveying all
those parts or portions of the Phird Stand		rth
through Rgs. 6, 7, 8, 9, 10, 1.	1 and 12 W.	
<i></i>		
		l li la d
	of t	he Gila and
Salt River meridian, Persitory	of Chyona, which	ch are represented
Salt Quer meridian, Persitory in the foregoing field notes as having been surveyed by	of drysus, which	ch are represented
falt Cliver meridian, Persitory in the foregoing field notes as having been surveyed by has been in all respects, to the best of our knowledge	of to of to of the original original of the original origina	th are represented that said survey
falt River meridian, Persitory in the foregoing field notes as having been surveyed by	of to of to of the original original of the original origina	th are represented I that said survey
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in the foregoing field notes as having been surveyed by has been in all respects, to the best of our knowledge corner monuments established, according to the instr	of to of to of the original original of the original origina	ch are represented It that said survey urveyed, and the States Surveyor, Chainman.
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Subscribed and sworn to before me this 22 nd	of Cryona, which which and under his direction; and and belief, well and faithfully so the United Community of Community and the United Community of	ch are represented If that said survey urveyed, and the States Surveyor  Chainman.  Chainman.  Moundman.  Moundman.  Axman.  Axman.
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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR. 2268 , bearing date of the United States/Surveyor General for Jtt day of August, 19/0, I have well, faithfully, and truly, in my own proper person, and in strict comformity with the instructions furnished by the United States Surveyor the Manual of Suryeying Instructions, and the laws of the United States, surveyed all those parts or portions of the Third Standar North through Rgs. 6, 7, 8, 9, 10, 11 and 12W alf Rwer meridian, in the Verretory of Cryona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Anyona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.  $_{--}$ , and sworn to before me APPROVAL OFFICE OF THE UNITED STATES SURVEYOR GENERA oregoing field notes of the survey of dated Jugust J, 19/0, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved. United States Surveyor General. I certify that the foregoing transcript of the field notes of the above-described surveys in ..... has been correctly copied from the original notes on file in this office.

United States Surveyor General.