FIELD NOTES

OF THE SURVEY OF THE BOOK 2263
Third Suide Meridian West through
Hird Guide Meridian West through Jamships 9, 10 and 11 Hotel
2263
•
20120
2263
Maridian
Of the Meridian,
In the State of
EXECUTED BY
Alfred H. Oliver
•
Janeitman Munt
In the capacity of U.S. Surveyor, under instructions dated My 15, 1910, issued by the United States Surveyor General to govern surveys included in
Group No, which were approved by the Commissioner of the General Land
Office, Lepturter J., 1910, pursuant to authority contained in the Act of
Office, September 9, 1910, pursuant to authority contained in the Act of Congress dated June 75, 1910. Mark 4/19/1
Survey commenced Mar 2 14 , 1911
Survey completed 1911

BOOK 2263

INDEX DIAGRAM.

Townsh	hip	Range				 1	
6	5	4	3	2 .	1		
7	8	9	10	11	12 /	2	
18	- 17	11/ M. (15 R/3W	. 14	13 /	/	
19	20	51	22	23	24 /	/	
30	29	28	27	26	25 /	0	
31	32	33	34	35	36	9	

210 N. P. 13W.

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ВООК 2263

INDEX DIAGRAM.

 Towns	ship		, Range		36	1
6	5	4	8	2	1	of.
7	8	9	10	11	12	3
18	17	16 9 N. ()	15 C/3W.	14	13	3
19	20	51	22	23	24	2
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BOOK 2263 PRELIMINARY OATHS OF ASSISTANTS.

WE, C. S. Crowen and Clay Dodson

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 we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Phird Guide Meridian West through Pho 9.10 and 11 M.

Third Guide Meridian West through Pho 9.10 and 11 M.

Chainman.

Subscribed and sworn to before me this _____

Subscribed and sworn to before me this _____

WE,and

....and....

do solemnly swear that we will well and truly 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

do solemnly swear that we will well and truly perform 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

BOOK 2263

INDEX DIAGRAM.

Towns	ship		, Range		
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
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Meanders Page

6---151

6813 2263 PRELIMINARY OATHS OF ASSISTANTS. BOOK WE, G. G. Lyon, J. N. Bates, and A. a. Coombo and W. D. Pannew 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 we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Mind Guide Meridian West through Tho. 9,10 and 11 U. Subscribed and sworn to before me this _____ day of March, 1911 ___and__ do solemnly swear that we will well and truly 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 the Phird Guide Weridian West through Pps 9, 10 and 11 U. day of March and C. S. Crowen WE, Ed Brockway do solemnly swear that we will well and truly perform 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 Phird Guide Werdian West through Pps. 9, 10 and 11 W. day of March, 1911 Alfred II. blins

I, S. E. Flanagau, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the Phird Guide Meridian West through Pps. 9, 10 and 11 M.

Subscribed and sworn to before me this. day of March

Third Guide Meridian West, through Township 9 North.

Chains.

Survey commenced March 14, 1911, and executed with a W.and L.E.Gurley solar compass, not numbered. Thehorizontal 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 declination arcs.

The instrument was examined and approved by the supervising

surveyor for Arizona.

I examine the adjustments of the compass and find them correct; then, to test the solar apparatus, by compar-

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 the standard cor.of Tps.9 N., Rgs.12 and 13 W., latitude, 34.04½!N.; longitude, 113.033!24"W., and heretofore described in Book F, I set off 34.04½!N. on the lat.arc; 2.36½!S. 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. thereof, on a stone firmly set in the ground, 5 chs.N. of my station.

At 7h.57m.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 drivem in the ground,

5 chs. N. of my station.

March 14, 1911.

March 15: At 6h.30m.a.m., l.m.t., I lay off the azimuth of Polaris, 1°24' to the east, and mark the meridian thus determined by setting a small groove in the stone set February 14, on which the meridian coincides with the mark determined by the solar.

At 7h.00m.a.m., l.m.t., I set off 34.04½ N.on the lat.arc; 2.22½ S.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.

magnetic bearing of the true meridian at 7:15 a.m. is N.14°30'W.; the angle thus determined gives the magnetic decl. 14°30'E. The magnetic

From the standard corner of Tps.9 N., Rgs.12 and 13 W., I now run,

North, bet . secs.31 and 36.

Over level land, through dense brush.

12.10

Cross wash, 15 lks.wide, course NW. 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

an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 36 in W. and S 31 in E.half; dig pits 18x18x12 ins.N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, 1½ ft. high, W.of corner. Cross wash, 10 lks.wide, course W.

Cross wash, 10 lks. wide, course W. 78.00

Difference between measurements of 80.00 chs. by two

40.00

54.80

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Third Guide Meridian West, through Township 9 North
Chains.
                 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
80.00
                 ground for corner of secs.25,30,31 and 36, marked on
                 brass cap,
                    T 9 N in N.half;
R 13 W S 25 in NW.,
                    R 12 W S 30 in NE.,
                    S 31 in SE., and
                 S 36 in SW. quadrant; dig pits 18x1&x12 ins. in each sec.52 ft. dist, and raise a mound of earth 4 ft. base, 2 ft. high, W.of corner.
            Land, level.
           Soil, sandy loam mixed with gravel, dry, coarse; 2nd rate. No timber.
         Undergrowth, greasewood, mesquite, ironwood, palo verde.
          North, bet. secs 25 and 30.
            Over level land, through dense brush.
 3.00 Cross wash, 150 lks. wide, course W. 8.20 Cross wash, 10 lks. wide, course W. 9.80 Cross wash, 10 lks. wide, course W.
12.75 Cross wash 10 lks.wide, course 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
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for \( \frac{1}{4} \) sec.cor., marked on brass cap \( \frac{1}{4} \) S

25 in W. and S 30 in E.half; dig pits 18x18x12 ins.N. and S.of stone 3 ft. dist., and raise a mound of earth
                 3\frac{1}{2} ft. base, 1\frac{1}{2} ft. high, W.of corner.
           Cross wash, 10 lks .wide, course W. Cross wash, 10 lks .wide, course W. Cross wash 25 lks .wide, course W.
46.00
56 .40
67.25
            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, 5 ins.dism., 24 ins. in the ground for cor. of secs.19,24,25 and 30, marked on
80.00
                 brass cap,
                    T 9 N in N.half;
R 13 W S 24 in NW.,
                    R 12 W S 19 in NE.,
                    S 30 in SE., and
S 25 in SW. quadrant; dig pits 18x18x12 ins. in
                 S 25 in SW. quadrant; dig pits 18x18x12 ins. in each sec. 5\frac{1}{2} ft. dist, and raise a mound of earth 4 ft. base, 2 ft. high, W.of corner.
            Land, level .
            Soil, sandy loam, mixed with gravel, dry, coarse, 2nd
                 rate.
            No timber.
            Undergrowth, greasewood, palo verde and mesquite.
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Over level land, through dense brush.

Cross wash, 30 lks.wide, course W.

Cross wash, 10 lks.wide, course W.

Cross wash, 10 lks.wide, course W.

Difference bet. measurements of 40.00 chs. by two sets

of chainmen is 2 lks.; position of middle point
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North, bet. secs.19 and 24.

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Third Guide Meridian West, through Township 9 North.
Chains.
 By 1st set, 40.01 chs.

By 2nd set, 39.99 chs., the mean ofwhich is

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for \(\frac{1}{4}\) sec.cor., marked on brass cap \(\frac{1}{4}\) S 24
in W., and S 19 in E.half; dig pits 18x18x12 ins.N.
and S.of post 3 ft. dist., and raise a mound of earth
\(\frac{3\frac{1}{2}}{3\frac{1}{2}}\) ft. base, \(\frac{1}{2}\) ft. high, W.of corner.

50.76 Road bears NE. and SW.
 54.20 Cross wash 20 lks.wide, course SW.
61.85 Cross wash 12 lks.wide, course SW.
73.30 Cross wash, 10 lks.wide, course SW.
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 80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for corner of secs.13,18,19 and 24, marked on
                   brass cap,
T 9 N in N.half;
                       R 13 W S 13 in NW.,
R 12 W S 18 in NE.,
                       S 19 in SE., and
S 24 in SW. quadrant; and raise a mound of stone 2
                   ft.base, 12 ft. high, W.of cor. Pits impracticable.
             Land, level.
             Soil, sandy loam, mixed with coarse gravel, dry, coarse texture; 2nd rate.
             No timber.
            Undergrowth, greasewood, palo verde and mesquite.
March 15: At this cor. I set off 2°20'S on the decl.arc;
                   and observe the sun on the meridian at noon; the re-
                   sulting lat. is 34°07'N.
             North, bet. secs.13 and 18.
Over rolling land, through dense brush.
   5.00 Cross wash, 10 lks. wide, course W.
 21.75 Cross wash, 15 lks.wide, course NW.
 30.00 Cross wash, 15 lks.wide, course NW.
31.50 Cross wash, 15 lks.wide, course NE.
Difference between measurements of 40.00 chs. by two sets
                 of chainmen is 6 lks.; position of middle point
                       By 1st set, 39.97 chs.
 By 2nd set, 40.03 chs., the mean of which is

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for \(\frac{1}{4}\) sec.cor., marked on brass cap \(\frac{1}{4}\) S 13 in

W. and S 18 in E.half; from which,

A palo verde 4 ins.diam., bears N.6\(\frac{3}{4}\)ow., 220 lks.

dist., marked \(\frac{1}{4}\) S 13 B T.

A palo verde 5 ins.diam. hears S.54\(\frac{1}{4}\)ow.
 A palo verde 5 ins.diam., bears S.54½°E., 116 lks.dist., marked ½ S 18 B T.

75.40 Cross wash, 10 lks.wide, course SE.
             Difference between measurements of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point
 By 1st set, 79.98 chs.

By 2nd set, 80.02 chs., the mean of which is

80.00 Point for cor.of secs. 7,12, 13 and 18 falls in wash 25
                   lks.wide, courseSE.
             Land, level.
             Soil, rocks and gravel; 4th rate. No timber.
             Undergrowth, greasewood, palo verde and mesquite.
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North, bet.secs. 7 and 12, from true point for cor. Ascending S.slope of mountains, through dense brush.

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Third Guide Meridian West, through Township 9 North.
          Set an iron post 3 ft. long, 3 ins.diam., 24 ins. in the ground for witness corner to corner of secs.7,12,13
 1.00
              and 18, marked on brass cap, W.C.S. of center,
                 T 9 N in N.half
                 R 13 W S 12 in NW.,
                 R 12 W S 7 in NE..,
                 S 18 in SE., and ,
S 13 in SW. quadrant; from which,
                A palo verde 4 ins.diam., bears N.131°W., 9 dist., marked W C T, 9 N R 13 W S 12 B T.

A palo verde 5 ins.diam., bears N.722°E., 6 dist., marked W C T 9 N R 12 W S 7 B T.
                                                                                99 lks.
                 A palo verde 4 ins.diam., bears S.67°E., 138 lks. dist., marked W C T 9 N R 12 W S 18 B T.
A palo verde 4 ins. diam., bears S.44°W., 65 lks. dist., marked W C T 9 N R 13 W S 12 B T.

16.50 Cross wash, 20 lks.wide, course E.
        Ridge bears E.and W.
25.25
29.00
          Cross wash, 10 lks. wide, course E.
          Ridge bears E.and W.
36.00
          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

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
             the ground for \frac{1}{4} sec.cor., marked on brass cap \frac{1}{4} S 12 in W., and S 7 in E.half; and raise a mound of stone, 2 ft.base, \frac{1}{2} ft. high, W. of corner. Pits impracticable.
          Ridge bears NW. and SE.
50.00
           Cross wash, 100 lks . wide, course SE.
55.00
          Ridge bears NW. and SE.
63.40
           Cross wash, 85 lks.wide, course SE.
71.00
          Ridge bears NW.and SE., descend.
77.50
          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

80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor.of secs.1,6,7 and 12, marked on brass
               cap,
T 9 N in N half;
                 R 13 W S 1 in NW.,
R 12 W S 6 in NE.,
S 7 in SE., and
                  S 12 in SW. quadrant; and raise a mound of stone 2
              ft.base, lg ft. high, W. of cor. Pits impracticable.
           Land, mountainous.
           Soil, loose rocks, 4th rate.
           No timber.
           Undergrowth, greasewood and palo verde.
                                                              March 15, 1911.
           March 16: At 8h.00m.a.m., 1.m.t., I set off 34008 N.on
               the lat.arc; 1°59½ S. on the decl.arc, and determine a meridian with the solar at the cor.of secs.1,6,7 and
                12.
           Thence I run,
North, bet. secs 1 and 6.
           Descending through dense brush.
    .40 Cross wash 15 lks.wide, course E., and ascend.
  9.40 Ridge bears E.and W.; descend.
 20.00 Cross wash, 15 lks.wide, course E., and ascend. 35.00 Ridge bears E. and W.; descend.
 39.25 Cross wash, 15 lks.wide, course E.; ascend.
           Difference between measurements of 40.00 chs. by two sets
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of chainmen is 4 lks.; position of middle point,

By 1st set, 40.04 chs., By 2nd set, 39.96 chs., the mean of which is 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 36 in W. and S 31 in E.half; and raise a mound of stone 2 ft.base, 12 ft. high, W.of corner. Pits im-

practicable. 53.50 Ridge, bears E.and W.; descend.

Cross wash, 20 lks. widecourse NE.; ascend.

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Third Guide Meridian West, through Township 10 North.
Chs.
           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 80.00 Set an iron post 3 ft. long, 3 ins.diam., 24 ins. in the ground for cor.of secs.25,30,31 and 36, marked on
                brass cap.
T 10 N in N:half;
R 13 W S 25 in NW.,
                   R 12 W S 30 in NE.
                   S 31 in SE., and
                                      quadrant; and raise a mound of earth 2
                   S 36 in 8W.
                It.base, 12 ft. high, W. of cor. Pits impracticable.
           Land, mountainous.
           Soil, rocky, 4th rate. No timber.
           Undergrowth, greasewood and palo verde. Cloudy o weather prevented an observation for latitude.
                                                              March 18, 1911.
           Harch 20: At 8h.00m.a.m., l.m.t., I set off 34°10½'N.
on the lat.arc; 0°25°5.on the decl.arc; and determine
a meridian with the solar at the core of secs.25,30,
                31 and 36.
           Thence I run,
North, bet. secs. 25 and 30.
           Ascending steep rocky S.slope, through dense brush.
12.26
           Ridge bears E.and W.
           Ridge bears NE. and SW.; descend.
24.71
          Cross wash, 15 lks.wide, course NE.; ascend. Ridge bears NE. and SW.; descend.
30.50
33.50
           Difference between measurements of 40.00 cha 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., 26 ins. in the
40.00
               ground for # sec.cor., marked on brass cap # S 25 in W. and S 30 in R.half; and raise a mound of stone 2 ft.base, 12 ft. high, W.of corner. Pits impractica-
                ble.
          Cross drain, 6 lks.wide, course NW. Ridge bears NW. and SE.
48.00
52.00
           Cross wash, 15 lks . wide, course NW.
66.25
           Ridge bears E.and W.
76.30
           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 cor of sees. 19,24,25 and 30, marked on brass cap,

T 10 N in N. half;
R 13 W S 24 in NW.,
R 12 W S 19 in HE.,
80.00
                S 30 in SE., and S 30 in SE., and saise a mound of stone S 25 in SW. quadrant; and raise a mound of stone 2 ft.base, ly ft. high, w.of corner. Pits impractica-
                ble.
            Land, mountainous.
           Soil, rocky, 4th rate. No timber.
           Undergrowth, greasewood and pale verde.

March 20: At this corner I set off 0°211'S.on the decl.

arc; and observe the sun on the meridian at noon; the
                 resulting lat. is 34° lli .
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Third Guide Meridian West through Township 10 North.
Chains.
           North, between secs.19 and,24.
           Descending NE. slope, through scattering brush. Cross drain, 10 lks. wide; course NE.
10.00
           Change to NW.slope.
20.00
           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. in diam., 26 ins. in
               the ground for \frac{1}{4} sec.cor., marked on brass cap \frac{1}{4} S 24 in W. and S 19 in E.half; and raise a mound of stone 2 ft.base, 1\frac{1}{2} ft. high, W. of corner. Pits impractica-
               ble.
45.00
           Cross wash, 15 lks. wide, course NE.
          Ridge bears NE. and SW.
55.00
           Cross wash 15 lks.wide, course NE., and ascend along E.
71.85
                slope.
77.00
          Ridge bears E.and 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
the ground for corner of secs.13,18,19 and 24, marked
                on brass cap,
T 10 N in N.half;
                   R 13 W S 13 in NW.,
                   R 12 W S 18 in NE.,
                   S 19 in SE., and
S 24 in SW. quadrant, and raise a mound of stone 2
               ft.base, 12 ft. high, W.of corner. Pits impracticable
          Land, mountainous.
          Soil, rocks; worthless. No timber.
           Undergrowth, greasewood and palo verde.
                                       March 20, 1911.
                                                         March 22: At 8h.00m.a.m., 1.m.t., I set off 34°12'N.on
               the lat.arc; 0°23'N. on the decl.arc; and determine a meridian with the solar at the corner of secs.13,18,
                19 and 24.
          Thence I run,
North, bet. secs.13 and 18.
Descending along E. slope of ridge, through dense brush.
Cross wash, 15 lks.wide, course NW.
Cross same wash, course NE., and ascend.
12.35
15.15
          Ridge bears NE. and SW.; descend.
23.00
          Cross wash, 60 lks.wide, course NE.

Difference between measurements of 40.00 chs.by two
sets of chainmen is 8 lks.; position of middle point
30.00
         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 \(\frac{1}{2}\) sec.cor., marked on brass cap, \(\frac{1}{2}\) S 13 in

W. and 3 18 in E, half; and raise amound of stone 2 ft.

base, 1\(\frac{1}{2}\) ft. high, W.of corner. Pits impracticable.
40.00
           Ridge bears NE.
54.00
           Cross wash, 40 lks.wide, course SE. Difference between measurements of 80.00 chs. by two
69.00
                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 cor.of secs. 7, 12, 13 and 18, marked on
80.00
                brass cap,
                   T 10 N in N.half;
                   R 13 W S 12 in NW.
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Third Guide Meridian West through Township 10 North.
Chains
                R 12 W S 7 in NE.,
                 S 18 in SE., and
              S 13 in SW. quadrant; and raise a mound of stone 2 ft.base, la ft. high, W. of cor. Pits impracticable.
         Land, mountainous.
         Soil, rocks, worthless.
No timber.
         Undergrowth, greasewood, palo verde and cacti.

March 22: At this cor. I set off 0°26'N. on the decl.arc;

and observe the sun on the meridian at noon; the resulting lat. is 34° 13'N.
          North, between secs. 7 and 12.
          Ascending through dense brush.
         Ridge bears NW. and SE.
 5.50
13.20
         Cross wash, 10 lks. wide, course SE.
         Ridge bears E.and W.
23.50
         Difference between measurements of 40.00 chs. by two sets
              oc chainmen is 2 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. in diam., 26 ins. in
the ground for \(\frac{1}{2}\) sec.cor:, marked on brass cap \(\frac{1}{2}\) S 12
in W. and S 7 in E.half; and raise a mound of stone 2
40.00
              ft.base, 12 ft. high, W. of corner. Pits impracticable.
          Cross wash, 10 lks .wide, course NW.
43.50
         Enter wash, 15 lks.wide, from SE.
Leave wash, course NW.
Cross wash, 15 lks.wide, course NW.
48.00
53.32
68.00
         Ridge, bears E.and W. Cross wash, 10 lks.wide, course W.
70.00
73.50
          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 cor.of secs.1,6,7 and 12, marked on brass
80.00
              T 10 N in N.half;
R 13 W S l in NW.,
R 12 W S 6 in NE.,
                 S 7 in SE., and
                 S 12 in SW. quadrant; and raise a mound of stone 2
              ft base, la ft. high, W. of cor. Pits impracticable.
          Land, mountainous.
          Soil, rocks and coarse gravel; 4th rate. No timber.
          Undergrowth, greasewood and palo verde and cacti.
March 22, 1911.
              nch 23: At 8h.00m.a.m., l.m.t., I set off 34°14'N.on the lat. arc; 0°462'N. on the decl.arc; and determine
               a meridian with the solar at the corner of secs.1,6,
          7 and 12.
Thence I run,
North, bet. secs.1 and 6.
          Over rolling land, through dense brush.
          Ridge bears NW. and SE.
  4.00
          Cross wash, 20 lks.wide, course W.
23.00
          Ridge bears NW.and SE.
39.50
          Cross wash 20 lks wide, course W.
39.50
          Difference between measurements of 40.00 chs. by two sets
               of chainmen is 4 lks.; position of middle point
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Third Guide Meridian West, through Township 10 North.
Chains.
                 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., 26 ins. in the
40.00
              ground for $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S l in W. and S 6 in E.half; from which,

A palo verde 5 ins. in diam., bears N.21°E., 33 lks.
                    dist., marked 4 S 6 B T.
                 No other tree available. Raise a mound of stone 2
              ft.base, l2 ft. high, W. of corner.
                                                                   Pits impractica-
         Cross wash, 35 lks.wide, course W. Cross wash, 100 lks.wide, course W.
47.00
48.00
         Ridge bears NW.and SE.
50.00
          Cross wash, 10 lks. wide, course NW.
55.50
          Ridge bears NW. and SE.
59.00
          Cross wash, 20 lks. wide, course NW.
64.50
         Ridge bears NW. and SE.
67.00
         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
80.00
              the ground for cor.of Tps.10 and 11 N., Rgs.12 and 13
              W., marked on brass cap,
T ll N in N.,
                 R 12 W in E.,
T 10 N in S., and
                 R 13 W in W.half;
                 S 36 in NW.,
                 S 31 in NE.,
          S 6 in SE., and
S 1 in SW1 quadrant; from which,
A palo verde, 8 ins.diam., bears N.624°W., 115 lks.
dist., marked T 11 N R 13 W S 36 B T.
A palo verde 9 ins.diam., bears S.253°E., 91 lks.
dist., marked T 10 N R 12 W S 6 B T.

No other trees available. Raise a mound of stone 2 ft.
base 11 ft. bigh S.of corner. Pits impracticable.
              base, la ft. high, S. of corner.
                                                               Pits impracticable.
          Land, rolling.
                  rocky and gravelly; 3rd rate.
          No timber.
          Undergrowth, greasewood, mesquite and palo verde.
           Third Guide Meridian West, through Township 11 North.
          North, bet. secs.31 and 36.
          Over rolling land, through dense brush.
          Cross wash, 10 lks.wide, course NW. Enter wash 20 lks.wide, bears SE.
 1.50
  6.00
          Leave wash, course NW.
Cross wash 75 lks.wide, course W.
11.60
26.10
          Cross wash, 30 lks.wide, course NW.
30.00
          Cross wash, 150 lks. wide, course NW. Difference between measurements of 40.00 chs.by two sets
38.0Q
               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

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in
               the ground for \frac{1}{4} sec.cor., marked on brass cap, \frac{1}{4} S 36 in W. and S 31 in E.half; and raise a mound of stone
               2 ft.base, l_2^{\frac{1}{2}} ft. high, W.of cor. Pits impracticable.
          Ridge bears NW. and SE.
47.00
          Cross wash, 150 lks. wide, course NW.
57.00
          Ridge bears NW and SE.
61.50
          Enter wash 500 lks.wide, bears SE.
 62.00
          Cross road bears NW.and SE.
 77.90
 79.00 Leave wash, course NW.
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Third Guide Meridian West, through Township 11 North
10
Chains.
         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 cor.of secs. 25, 30, 31 and 36, marked on
80.00
              brass cap,
                 T 11 Nin N.half;
R 13 W S 25 in NW.,
                 R 12 W S 30 in NE,
                 S 31 in SE., and S 36 in SW. quadrant; and raise a mound of stone 2
              ft.base, 12 ft. high, W. of cor. Pits impracticable.
         Land, rolling.
         Soil, rocky and gravelly; 4th rate.
          No timber.
         Undergrowth, greasewood, palo verde, mesquite and cacti. March 23: At this cor. I set off 0°492 N.on the decl.
              arc; and observe the sun on the meridian at noon; the
             resulting lat. is 34° 15½'N.
          North, bet. secs.25 and 30.
          Over rolling land, through dense brush. Ridge bears NW. and SE.
 4.20
          Cross wash, 10 lks. wide, course SE.
 6.50
         Ridge bears NW. and SE.
 8.00
          Cross wash 10 lks.wide, course SE.
14.20
          Ridge bears NW.and SE. Cross wash, 20 lks .wide, course NW.
16.00
20.00
          Ridge bears NW. and SE.
23.50
          Cross wash, 40 lks.wide, course NW.
35.00
          Ridge bears NW.and SE.
39.60
          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. in diam., 26 ins. in
40.00
              the ground for $\frac{1}{2}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 25 in W. and S 30 in E.half; and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft. high, W. of corner. Pits impractica-
47.00
          Over level land.
          Cross wash, 50 lks.wide, course NW.
52.00
          Cross road, bears E.and W. Difference between measurements of 80.00 chs. by two sets
74.63
               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 cor of secs 19,24,25 and 30, marked on
               brass cap,
T 11 N in N.half;
                  R 13 W S 24 in NW.,
R 12 W S 19 in NE.,
                  S 30 in SE., and
                  S 25 in SW. quadrant; from which,

A mesquite 5 ins.diam., bears N.602°W., 190 lks.dist.,

marked T 11 N R 13 W S 24 B T.

A mesquite 5 ins.diam., bears N.282°E., 99 lks.

dist., marked T 11 N R 12 W S 19 B T.
                  A mesquite, 5 ins.diam, bears S.612°E., 50 dist., marked T 11 N R 12 W S 30 B T.
                                                                            56 lks.
                  A mesquite 6 ins diam bears S.6010W., 158 lks. dist., marked T 11 N R 13 W S 25 B T.
           Land, rolling and level.
           Soil, rocky, sandy and gravelly; 3rd rate.
           No timber.
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Chains.

Undergrowth, greasewood, palo verde, mesquite and cactus. March 23, 1911.

March 25: At 8h.00m.a.m., l.m.t., I set off $34^{\circ}16\frac{1}{2}$ 'N. on the lat.arc; $1^{\circ}33\frac{1}{2}$ 'N.on the decl.arc; and determine a meridian with the solar at the cor.of secs. 19,24,25 and 30. Thence I run,

North, bet. secs.19 and 24.

Over level land, through dense brush.

15.30

Cross wash 100 lks.wide, course W.
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for witness & sec.cor., marked on brass
cap W C & in N.half; 25.00

S 19 in SE., and

S 19 in SE., and
S 24 in SW. quadrant; from which,
A mesquite, 7 ins.diam., bears S.12½°W., 18 lks.dist.,
marked W C ½ S 24 B T.
A mesquite, 8 ins.diam., bears S.79°E., 153 lks.
dist., marked W C ½ S 19 B T.

25.20 Left bank of Bill Williams Fork, over dry bed of river.
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
Point for ‡ sec.cor. falls in bed of river.

40.00

40.80 Edge of running water in river, 12 ins. deep, course SSW.

48.00

Leave water.
J. B. Tappan's house bears S.39°40'E. 49.95

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 80.00 Point for corner of secs.13,18,19 and 24 falls in bed of river.

Land, level.

Soil, S.25.20 chs., sandy leam, dry, medium texture, 1st rate. N.54.80 chs., loose sand in bed of river, 4th rate.

No timber.

Undergrowth, mesquite, water mote and arrowweed. March 25, 1911.

March 26: At 8h.00m.a m., 1.m.t., I set off 34°172'N.on the lat.arc; 1057'N. on the decl.arc; and determine a meridian with the solar at the cor. of secs. 13, 18, 19 and 24.

Thence I run, North, bet. secs.13 and 18, from true point for cor. Over dry bed of river, through dense brush.

Right bank of Bill Williams Fork. 14.00

Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for witness cor. to cor. of secs. 13, 18, 19 and 24, marked on brass cap,

W C S. of center, 15.50

T 11 N in N.half;

R 13 W S 13 in NW., R 12 W S 18 in NE.,

S 19 in SE., and

S 24 in SW. quadrant; and raise a mound of stone 2 ft.base, 12 ft. high, W. of cor. Pits impracticable.

19.00 Cross wash 30 lks.wide, course SE.

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Third Guide Meridian West, through Township 11 North.
Chains
21.00 Ascend S. slope of mountain.
30.90 Ridge bears SE. and NW.
31.50 Cross wash, 10 lks .wide, course E.
 32.50 Ridge bears NW. and SE.
 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

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S

13 in W. and S 18 in E.half; from which,

A nele wards 8 ing. diam. hears N.64+0W. 163 lks.
                     A palo verde, 8 ins. diam., bears N.644°W., 163 lks. dist., marked 4 S 13 B T.
 A palo verde, 5 ins. diam., bears N.653°E., 78 lks. dist., marked & S 18 B T.

44.60 Cross wash, 25 lks.wide, course SW.
 52.70 Cross wash, 25 lks.wide, course SE. 58.00 Ridge bears NW. and SE.
 Cross wash, 60 lks.wide, course E.
Ridge bears NW. and SE.
Cross wash, 80 lks.wide, course E.
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 said, 30.05 chs., the mean of which is Set an iron post 3 ft.long, 3 ins. diam., 24 ins. in the ground for cor.of secs.7,12,13 and 18, marked on
                  brass cap,
T 11 N in N.half;
                    R 13 W S 12 in NW.,
R 12 W S 7 in NE.,
                      S 18 in SE., and
            S 13 in SW. quadrant; and raise a mound of stone 2 ft.base, 12 ft. high, W.of cor. Pits impracticable. Land, mountainous and level.
            Soil, loose sand, gravel and rocks; 4th rate. No timber.
             Undergrowth, greasewood, palo verde, arrowweed, water mote
                  and cactus.
            March 26: At this cor. I set off 2000 N.on the decl. arc; and observe the sun on the meridian at noon; the
                 resulting lat is 34°18'N.
             North, bet. secs. 7 and 12. Ascending steep S. slope, through dense brush.
  23.00 Cross drain, to lks. wide, course SE.
  26.00 Cross same drain, course SW.
  29.00 Cross same drain, course SE.
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

40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for ½ sec. cor., marked on brass cap ½ S
12 in W. and S 7 in E.half; and raise a mound of
                   stone 2 ft base, lt ft high, W. of cor . Pits impracti-
   44.75 South rim of deep canyon, and descend.
   50.00 Cross wash, 20 lks.wide, course SE. in bottom of canyon,
                   and ascend.
   66.00 N. rim of canyon.
              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
   80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in
                   the ground for cor. of secs.1,6,7 and 12, marked on
                   brass cap,
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T 11 N in N.half; R 13 W S 1 in NW. R 12 W S 6 in NE.,

S7 in SE, and

S 12 in SW. quadrant; and raise a mound of stone 2 ft.base, l_2 ft. high, W.of corner. Pits impracticable.

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, greasewood and palo verde.

March 26, 1911.

GENERAL DESCRIPTION.

Through township 9 North this line runs over level land; the land east of the line is low hills and west level. Through township 10 north the line runs over the top of rough mountains, and descends their north slope, the land on either side of the line being mountainous and

hilly.
Through Township 11 North the line runs up the Bill Williams Fork, and the land west of the line is rough and mountainous excepting that portion along the south portion of the line and adjacent to it, which is level and fertile. The land east of the line is rolling.

US. Transitman.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

82

LIST OF NAMES.

BOOK 2263

A list of the names of the individuals employed by Africa M. Ollur	en
, United States Deputy Surveyor, to assist in running	, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of	Phird
Guide Meridian West through Pps. 9, 10 and 11 71.	40 # 10 10 10 10 <u>10 10 10 10 10 10 10 10 10 10 10 10 10 1</u>
showing the respective capacities in which they acted:	
a. E. Lyon, J. N. Bates R. a. Coombo	, Chainman.
U. D. Panner, C. S. Crowew, Clay Wodson	. Chainman.
a. L. Bates	
2. P. Bates	ing the second
	4.0
	, Axman.
L. E. Planagan Pom Shimfessel	\dots , $Flagman$.
FINAL OATH OF ASSISTANTS.	
We hereby certify that we assisted Afred M. Oliver Phausitman	
, United States Deputy Surveyor,	
those parts or portions of the Phird Guide Meridian West thro	ugh
Pps. 9, 10 and 11 W.	
of th	e Gila and
Salt River meridian, Perritory of arizona, which	
in the foregoing field notes as having been surveyed by him and under his direction; and	
has been in all respects, to the best of our knowledge and belief, well and faithfully su	•
corner monuments established, according to the instructions furnished by the United	States Surveyor
General for Jayona	
a. L'Ayon lelay Dodgon J. H. Bates	, Chainman.
R. D. Svonsh: BS Crown It D James	, Chainman.
12 L Bales	, Moundman.
Let Butes	, Moundman.
Ed Drockway	, Axman.
200 Rations	
Lettongean I Stimber	, Axman.
1	, H'lagman.
Subscribed and sworn to before me this 28th	1 ·
day of March , 1911) Uffred M. Ot	in
SEAL O SEAL O STANSIT	nan
6-151	

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR. United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from United States Surveyor General for (lsizouo , 19/8, I have well, faithfully, and truly, in my own ______day of _____ proper person, and in strict conformity with the instructions furnished by the United States Surveyor ..., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of meridian, in the of., 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 Ung and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey. Mollow, and sworn to before me APPROVAL OFFICE OF THE UNITED STATES SURVEYOR GENERA The foregoing field notes of the survey of tract No. 4, dated duguet 75, 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.