# FIELD NOTES

OF THE SURVEY OF THE
Jaquesuling
$(\bigcirc)$ $()$ $()$ $()$ $()$ $()$ $()$ $()$ $($
(Outdivision of J. 27 M. P. 16W.
2299
·
of the Meridian,
of the $\mathcal{L}$
In the State of Santony of Cenyane
7 8
EXECUTED BY
Control of the second
Joseph Jan
In the capacity of U.S. Surveyor, under instructions dated Left / 6, 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 ( At ) 1910 nursuant to authority contained in the Act of
The state of the state of the state of the state of
Office, (Congress dated Shung 2) 191, pursuant to authority contained in the Act of Congress dated Shung 2) 191, 1899  Survey commenced (197), 1916.
2298
Survey commenced Lec. 19- 1910
Survey completed Le 27, 1910
6—101

Do Oath, see Book B.

**BOO**K 2298

## INDEX DIAGRAM.

	Township	/		, Range	16h)	
	6	5 /3	. /	3	2	1
	7 /8	8 /2	9	J 10	11	12
	18 / 7	17 /2	16 S	15	14	13
	/(	/6	-//	<i>f</i>	(	4
	19	20 //	21 J	22	23 _	24
}	15	15	· -//	7		3
	30	29 / 0	28	7 27 .	26	25
	14	-/X	10-	7	<del>y</del> —	2
	31 X	32 /0	33	6 34	<b>√</b> 35	2 36

Note: To Date Blos see Book a. Jung 10

" from Note. " " " 9

Chains.

Survey commenced Dec. 19, 1910, and executed with a W. & L. E. Gurley light mountain transit, special make, unnumbered, with Burt's patent solar attachment. The horizontal limb of the instrument is provided with two double verniers, placed opposite to each other, and each reading to 1' of arc, which is also the least reading of the verniers of the latitude and declination arcs. At the cor. of secs. 1,2, 35 & 36, on the south bdy. of the Tp., as established by me, and heretefore described, Book A,

Group 10. I examine and test carefully all the adjustments of the transit and solar attachment, and finding all parts of the instrument in correct and accurate adjustment as to tests; then,

in order to test the solar apparatus, by comparing the results of observations on the sun, for meridian, made durging p.m. & a.m. hours, respectively, with a true meridian determined by Polaris observation,

I proceed as follows : -

At 4h.00m.p.m.,l.m.t., at the cor. above described, in lat. 35° 41' 00" N., long. 113°56'59" W., I set off 23°21' S. on the decl.arc, and 55°41'N.on the lat. arc, and determine a meridian with the solar, and mark a point in the meridian thus determined by a tack in a stake driven firmly in the ground 5 chs. N. of my station. Dec. 19. 1910.

Dec. 20, 1910.

At 1h 33m.a.m., l.m.t., I observe Polaris at W. elongation, in accordance with instructions in the "manual", and mark the line thus determined by a tack in a stake driver firmly in the ground 6 chs. N. of my station. At 8h a.m., l.m.t., I set off the azimuth of Polaris, 1°26

to the East, and mark the true meridian thus determined by a tack in the stake 5 chs. N. of my station, which point falls .48 ins. E. of the point as determined by

the solar on the preceding evening.
At 8h 30m a.m., l.m.t., I set off 22°22' S. on the decl.
arc, and 35°41' N. on the lat. arc, and determine a meridian with the solar, and merk a point in the meridian thus determined by a tack in the stake 5 chs. N. of my station, which point falls.20 ins. E. of the point in the meridian determined by Polaris observation. The solar apparatus, by p.m. & a.m. hours observations, defines positions for meridians, about 25 W., and 18 E. respectively, of the true meridian as determined by Observation of Polaris.

These small errors being no more than the usual errors of observation with solar instruments, I conclude that my instrument is in satisfactory adjustment.

The magnetic bearing of the true meridian at ah 30m a.m., is N. 15°25' W.; the angle thus determined gives the magnetic declination as 15°25' E.

From the cor. above described.

I run, as per instructions:

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Chains.
           N. 0° 1' W., bet. secs. 35 & 36. Var. 15° 25' E.
             Over broken, rolling land, through dense greasewood,
              .gravelly, sandy soil,
 8.23 Wash, 20 lks. wide, course W.
21.54 Wash, 30 lks. wide, course WSW.
33.40 Wash, 20 lks. wide, course W.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
             the ground for 1 sec. cor., marked on brass cap,
             $ S. 35 in W., and
S. 36 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
raise a mound of earth 32 ft.base, 12 ft.high W. of cor.
 40.35 Old road, brs. E. & W.
44.18 Wash, 30 lks. wide, course WSW.
60.10 Wash, 20 lks. wide, course WSW.
72.20 Wash, 20 lks. wide, course WSW.
 74.57 Wash 20 lks. wide, course WSW.
80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
             the ground for cor. of secs. 25,26,35 & 36,
             marked on brass cap,
T. 27 N., R. 16 W. in N. half,
                    S. 26 in NW.,
                    S. 25 in NE.,
            S. 36 in SE., and
S. 35 in SW. quadrants,
raise a mound of stone 2 ft. base, la ft.high W. of cor.
           Land, rolling, broken.
           Soil, 2nd rate, sandy, gravelly. loose.
           Dense greasewood, Fair grass in places.
           S. 89°57' E., on a random line, bet. secs. 25 & 36.
 40.00 Set temp. 1 sec. cor.
 80.08 Intersect E. bdy. of Tp. at point 9 lks. N. of cor. of
           secs. 25,30,31 & 36, whence I run,
N. 89°53' W., om a true line, bet. secs. 25 & 36.
            Over broken, rolling land, desc. grad.
 10.00 old road, brs. ENE. & WSW.
31.00 Wash, 30 lks. wide, course WSW.
40.04 Set am irom post 3 ft. long, 1 in. in diam. 26 ins. in the ground for \( \frac{1}{2} \) sec. cor., marked on brass cap,
                    1 S. 25 in N., and
 S. 36 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and
raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.
74.45 Wash, 30 lks. wide, course WSW.
80.08 To cor. of secs. 25,26, 35 & 36.
           Land, rolling, broken.
           Soil, 2nd & 3rd rate, sandy, gravelly, loose.
           Undergrowth, dense greasewood, sage brush. Fair grazing.
           N. 0° 1' W., bet. secs. 25 & 26.
            Over broken, rolling land, dense greasewood.
 7.35 Wash, 50 lks. wide, course SW.
16.52 Wash, 40 lks. wide, course WSW.
33.70 Wash, 40 lks. wide, course WSW.
39.40 Wash, 40 lks. wide, course WSW.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
            the ground for † sec. cor., marked on brass cap,
† S. 26 in W., and
S. 25 in E. half,
raise a mound of stone 2 ft. base, lift. high W. of cor.
 44.00 Wash, 30 lks. wide, course WSW. 62.30 Wash, 30 lks. wide, course WSW.
 72.83 Road, brs. WNW. & ESE.
 76.60 Wash, 30 lks. wide, course WSW.
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BOOK 2298
                   Subdivision of T. 27 N., R. 16 W.
80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
          the ground for cor. of secs. 23,24,25 & 26,
         marked on brass cap,
T. 27 N., R. 16 W. in N. half,
S. 23 in NW.,
               S. 24 in NE.,
               S. 25 in SE., and
         S. 26 in SW. quadrants, and raise a mound of stone 2 ft. base, 12 ft. high W. of cor.
        Land, broken, rolling.
        Soil, 2nd & 3rd rate, gravelly, sandy.
        Greasewood, sage brush, good native grass.
        At this cor. at noon, I. I set off 23°25! S decl. arc, and observe the sun on the meridian. The resulting lat. is 35° 43!! N.
                                                                      S. on the
S. 89.53' E., on a random line, bet. secs. 24 & 25.
40.00 Set temp. \( \frac{1}{4} \) sec. cor.
80.12 Intersect cor. of secs. 19,24,25 & 30, on E. bdy. of Tp.,
        whence I run,
N. 89 53 W., on a true line, bet. secs. 24 & 25.
         Over gently rolling land, desc. grad. through dense
           greasewood.
10.00 Wash, 30 lks. wide, course WSW.
40.06 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
         the ground for 1 sec. cor., marked on brass cap,
               1 S. 24 in N., and
         S. 25 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist.
         alg pits loxioxiz ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 31 ft.base, 11 ft.high N. of cor.
80.12 To cor. of secs. 23,24,25 & 26.
        Land, rolling.
        Soil, 2nd rate, sandy, gravelly.
       Greasewood, sage brush, good native grass.
        N. 0° 1' W., bet. secs. 23 & 24.
         Over rolling, land, asc. gently, through dense grease-
wood, good native grass. scattering palonegro, cacti.
29.80 Wash, 20 lks. wide, course SW.
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.
         S. 23 in W., and
S. 24 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
         raise a mound of earth 3 ft.base, 1 ft.high W. of cor.
66.00 Wash, 50 lks. wide, course SW.
79.00 Wash, 80 lks. wide, course SSW.
80.00 Set am iron post 3 ft. long, 2 ins. in diam. 24 ins. in
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the ground for cor. of secs. 13,14, 23 & 24, marked on brass cap,
T. 27 N., R. 16 W. in N. half,
S. 14 in NW.,
S. 13 in NE.,

S. 24 in SE., and

S. 23 in SW. quadrants, and raise a mound of stone 2 ft. base,  $l_2$  ft. high W. of cor. Land, gently rolling. Soil, 2nd rate, sandy, gravelly.

Greasewood, sage brush, palonegro, cacti. Good grass.

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Chains.
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S. 89.53' E., on a random line, bet. secs. 13 & 24.
 40.00 Set temp. 2 sec. cor.
80.10 Intersect B. bdy. of Tp. at point 2 lks. S. of cor. of
            secs. 13,18,19 & 24, whence I run, N. 89 54 W., on a true line, bet. secs. 13 & 24.
              Over broken rolling land, desc. grad., through
 scattering greasewood, palonegro, and cacti.Grass,fair.
40.05 Set an iron post 3 ft. long, l in. in diam. 26 ins. in
the ground for \(\frac{1}{2}\) sec. cor., marked on brass cap,
              S. 13 in N., and
S. 24 in S. half, and
raise a mound of stone, 2 ft.base, 1 ft. high N. of cor.
 47.00 Wash, 50 lks. wide, course SSW. 79.00 Wash, 30 lks. wide, course SW. 80.10 To cor. of secs. 13,14, 23 & 24.
             Land, rolling, broken.
             Soil, 2nd rate, gravelly, sandy.
            Greasewood, palonegro, cacti. Good native grass in places. North of this cor., the land is rough and unsurveyable.
                                                                                          Dec. 20, 1910.
             Dec. 21, 1910.
            At 8h a.m., l.m.t., at the cor. of secs. 2,8, 34 & 35, on the S. bdy. of Tp.,
I set off 23 23' S. on the decl.arc, and 35 41' N. on the
              lat. arc, and determine a true meridian with the solar.
            Thence I run,
N. 0° 1' W., bet. secs. 34 & 35.
Over gently rolling land, drains SW.
 24.00 Enter greasewood, brs. E. & W.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
              the ground for t sec. cor., marked on brass cap,
the ground for \frac{1}{2} sec. cor., marked on brass cap, \frac{1}{4} S. 34 in W., and S. 35 in E. half, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3\frac{1}{2} ft.base, 1\frac{1}{2} ft.high W. of cor. 40.96 Wash, 10 lks. wide, course SW. 01d road, brs. NW. & SE. 59.61 Wash, 50 lks. wide, course WSW. 83.30 Wash, 10 lks. wide, course WSW. Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 26.27.34 & 35.
              the ground for cor. of secs. 26, 27, 34 & 35.
              marked on brass cap,
T. 27 N., R. 16 W. in N. half,
S. 2% in NW.,
                      S. 26 in NE.,
                      S. 35 in SE., and
              S. 34 in SW. quadrants, dig pits 18x18x12 ins. in each sec. 51 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
             Land, gently rolling.
             Soil, 2nd rate, loose, sandy, some gravel.
             Greasewood, sage brush. Fair native grass.
            S. 89.57' E., on a random line, bet. secs. 26 & 35.
 40.00 Set temp. 1 sec. cor.
 79.98 Intersect N. & S. line at point 7 lks. N. of cor. of
             secs. 25,26,35 & 36, whence I run,
N. 89 54 W., on a true line, bet. secs. 26 & 35.
 Over gently rolling valley.

33.80 Wash, 80 lks. wide, course WSW.

Set am 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. 26 in N., and S. 35 in S. half,
              raise a mound of stone 2 ft. base, 12 ft.high N. of cor.
77.00 Wash, 30 lks. wide, course SW.
80.00 To cor. of secs. 26,27, 34 & 35.
Land, gently rolling. Soil, 2nd rate, sandy.
            Scattering greasewood. Fair grazing.
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Subdivision of T. 27 N., R. 16 W.
Chains N. 0° 1' W., bet. secs. 26 & 27.
  Over gently undulating land, drains SW.

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

1 S. 27 in W., and
 S. 26 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
raise a mound of earth 31 ft.base, 11 ft.high W. of cor.
80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
             the ground for cor. of secs. 22,23,26 & 27,
             marked on brass cap,
T. 27 N., R. 16 W. in N. half,
S. 22 in NW.,
                    S. 23 in NE.,
                    S. 26 in SE., and
             S. 27 in SW. quadrants, and raise a mound of stone 3 ft. base, 2 ft. high W. of cor.
           Land, level, gently undulating, drains SW.
           Soil, 2nd rate, sandy, loose, some gravel.
            Sparse greasewood, and sage brush. Good grazing.
            S. 89.54 E., on a random line, bet. secs. 23 & 26.
 40.00 Set temp. } sec. cor.
 79.94 Intersect cor. of secs. 23,24,25 & 26, whence I run,
           N. 89 54 W., on a true line, bet. secs. 23 & 26. Over gently rolling land, desc. grad. through dense
               greasewood.
   8,86 Wash, 10 lks. wide, course SW.
 23.20 Wash, 20 lks. wide, course SW.
39.97 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,
             S. 23 in N., and
S. 26 in S. half,
raise a mound of stone 2 ft. base, 11 ft. high N. of cor.
 72.00 Old road, brs. WNW. & ESE. 79.94 To cor. of secs. 22,23, 26 & 27.
           Land, gently rolling.
Soil, 2nd rate, loose, sandy, gravelly.
           Dense greasewood, sage brush, few cacti. Good native grass.
           At this cor. at noon, I, I set off 23° 25\frac{1}{2} N. on the decl. arc, and observe the sun on the meridian.
             The resulting lat. is 35 43' N.
   N. 0° 1' W., bet. secs. 22 & 23.

Over gently rolling land, asc. grad.

3.73 Wash, 50 lks. wide, course WSW. and
old road, brs. WNW. & ESE.
 22.20 Wash, 20 lks. wide, course WSW.

40.00 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. 22 in W., and \(S. 23\) in E. half,

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist. ex
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high W. of cor. 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
             the ground for cor. of secs. 14,15,22 & 23,
            marked on brass cap,
T. 27 N., R. 16 W. in N. half,
S. 15 in NW.,
                   S. 14 in NE.,
S. 23 in SE., and
                   S. 22 in SW. quadrants,
             dig pits 18x18x12 ins. in each sec. 51 ft. dist., and.
             raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
          Land, gently rolling.
Soil, 2nd rate, sandy, gravelly, loose.
Sparse greasewood, sage brush. Fair grazing.
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Subdivision of T. 27 N., R. 16 W.
Chains.
S. 89°54' E., on a random line, bet. secs. 14 & 23. 40.00 Set temp. \(\frac{1}{4}\) sec. cor. 79.96 Intersect cor. of secs. 13,14,23 & 24,
          whence I run,
         N. 89°54' W., on a true line, bet. secs. 14 & 23.
          Over broken, rolling land, near foot of rough S. slope.
28.00 Asc. SE. slope of spur, brs. NE. & SW. 36.00 Top of spur, brs. SW. & NE. desc. 39.98 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
          the ground for 1 sec. cor., marked on brass cap,
          1 S. 14 in N., and
S. 23 in S. half,
raise a mound of stone 2 ft. base, 1 ft.high N. of cor.
49.40 Foot of slope, brs. NE. & SW., thence desc. grad.
79.96 To cor. of secs. 14,15, 22 & 23.
         Land, rolling, broken, mts.
         Soil, 2nd rate, sandy, stony.
Scattering greasewood, cacti. Fair grazing.
Beyond this cor. to the north, the land rises in a
          succession of bluffs for several miles, and is of so broken and worthless a character, and being impracticable
          to survey, I eliminate from my surveys.
                                                                      Dec. 21, 1910.
         Dec. 22, 1910.
         At 8h a.m., 1.m.t., at the cor. of secs. 3,4, 33 & 34, on
           the S. bdy. of the Tp., I set off 23°23' S. on the decl.arc, and 35°41' N. on the
           lat. arc, and determine a true meridian with the solar.
 Thence I run,
N. 0° 2° W., bet. secs. 33 & 34.
Over gently rolling land, asc. grad., loose sandy soil.
8.00 Wash, 30 lks. wide, course WSW.
 27.00 Old road, brs. WSW. & ENE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1 sec. cor., marked on brass cap,
           $ S. 33 in W., and
S. 34 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
raise a mound of earth 31 ft.base, 11 ft.high W. of cor. 42.80 Wash, 27 lks. wide, course W. 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
           the ground for cor. of secs. 27,28,33 & 34,
           marked on brass cap,
T. 27 N., R. 16 W. in N. half,
                 S. 28 in NW.,
                 S. 27 in NE.,
                 S. 34 in SE., and
                 S. 33 in SW. quadrants,
          dig pits 18x18x12 ins. in each sec. 5 ft. dist., and
           raise a mound of earth 4 ft.base, 2 ft. high W. of cor.
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Land, gently rolling. open. Soil, 2nd rate, sandy, loose. moist.

Sparse sage brush. Good grazing.

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Subdivision of T. 27 N., R. 16 W.
Chains.
 S. 89.5% E., on a random line, bet. secs. 27 & 34.
 79.98 Intersect N. & S. line at point 5 lks. N. of cor. of
          secs. 26,27,34 & 35, whence I run, N. 89.55 W., on a true line, bet. secs. 27 & 34.
  Over gently undulating valley, loose, sandy loam. 3.74 Wash, 10 lks. wide, course S.
14.19 Old road, brs. NW. & SE.
89.99 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
            the ground for 1 sec. cor., marked on brass cap,
            $\frac{1}{2}\sigma\text{S. 27 in N., and}$$
$S. 34 in S. half,$$
$\text{dig pits } 18\text{x18\text{x12} ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3\frac{1}{2}\text{ft.base}, 1\frac{1}{2}\text{ft.high N. of cor.}$$
79.98 To cor. of secs. 27,28,33 & 34.
          Land, gently undukating. open. Soil, 2nd rate, loose, sandy laam,
          Sparse undergrowth, Good native grass.
          N. 0° 2' W., bet. secs. 27 & 28.
Over open grassy plain, asc.gently.
32.70 Wash, 30 lks. wide, course W.
40.00 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,
the ground for fact. cor., marked on brass cap, 

$\frac{1}{2}$ S. 28 in W., and

S. 27 in E. half,

dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and

raise a mound of earth 3\frac{1}{2}$ ft. base, 1\frac{1}{2}$ ft. high W.of cor.

50.00 Wash, 50 lks. wide, course WSW.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in

the ground for cor. of secs. 21 22 27 & 28
            the ground for cor. of secs. 21,22,27 & 28,
           marked on brass cap,
T. 27 N., R. 16 W. in N. half,
S. 21 in NW.,
                  S. 22 in NE.,
S. 27 in SE., and
                  S. 28 in SW. quadrants.
           dig pits 18x18x12 ins. in each sec. 51 ft. dist., and
          raise a mound of earth 4 ft.base, 2 ft. high W. of cor.
          Land, level, gently undulating.
          Soil, 2nd rate, fine, loose sandy loam.
          Sparse sage brush. Good native grass.
S. 89^{\circ}.55^{\circ} E., on a random line, bet. secs. 22 & 27. 40.00 Set temp. \frac{1}{4} sec. cor.
79.94 Intersect cor. of secs. 22,23,26 & 27, whence I run, N. 89.55 W., on a true line, bet. secs. 22 & 27.
             Over gently rolling land, desc. grad.
3.50 Wash, 30 lks. wide, course SW. 17.10 Wash 30 lks. wide, course SW. 35.70 Wash, 35 lks. wide, course WSW.
39.97 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
           the ground for 1 sec. cor., marked on brass cap.
           S. 22 in N., and
S. 27 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and
raise a mound of earth 3 ft.base, 1 ft.high N. of cor.
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52.00 Old road, brs. NNW. & SSE. 79.94 To cor. of secs. 21,22, 27 & 28. Land, gently rolling. Soil, 2nd rate, loose, sandy.

Scattering sage brush, greasewood. Good grass.

places.

145

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Chains
          N. 0° 2' W., bet. secs. 21 & 22.
             Over gently rolling valley.
 18.28 Road, brs. ESE. & WNW.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
           the ground for 1 sec. cor., marked on brass cap,
                  $ s. 21 in W., and s. 22 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 31 ft.base, 11 ft.high W. of cor. 59.40 Old road, brs. NW. & SE.
80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
            the ground for cor. of secs. 15, 16, 21 & 22,
           marked on brass cap,
T. 27 N., R. 16 W. in N. half,
S. 16 in NW.,
                  S. 15 in NE.,
                  S. 22 in SE., and
           S. 21 in SW. quadrants, dig pits 18x18x12 ins. in each sec. 51 ft. dist., and raise a mound of earth 1 ft.base, 1 ft. high W. of cor.
          Land, gently rolling.
          Soil, 2nd rate, loose, sandy loam, some gravel.
          Sparse sage brush and greasewood. Good grazing. At this cor.at noon, ..., I set off 23.251 S. on the decl. arc, and observe the sun on the meridian. The resulting lat. is 35.44 N.
 S. 89°55° E., on a random line, bet. secs. 15 & 22.
 80.00 Intersect N. & S. line at point 21 lks. S. of cor. of
          secs. 14,15, 22 & 23, whence I run,
N. 89 56 W., on a true line, bet. secs. 15 & 22.
             Over rolling land, drains S.
 17.16 Wash, 30 lks. wide, course S. 40.00 Set an iron post 3 ft. long l in. in diam. 26 ins. in
            the ground for 1 sec. cor., marked on brass cap,
           S. 15 in N., and
S. 22 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and
raise a mound of earth 31 ft.base, 11 ft.high N. of cor.
 52.26 Wash 20 lks. wide, course S.
56.96 Wash 20 lks. wide, course S. 61.40 Old road, brs. N. & S. 80.00 To cor. of secs. 15,16,21 & 22.
          Land, gently rolling.
          Soil, 2nd rate, loose, sandy, gravelly.
          Scattering greasewood, sage brush, cacti. Fair grass.
          N. 0° 2' W., bet. secs. 15 & 16.
            Over gently rolling land, asc. grad.
 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. 16 in W., and \( S. 15 \) in E. half, \( \text{raise a mound of stone 2 ft.base, $\frac{1}{2} \) ft. high W. of cor.
 67.00 Main wash, 150 lks. wide, course SSW.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 9,10,15 & 16,
            marked on brass cap,
T. 27 N., R. 16 W. in N. half,
                       9 in NW.,
                  S.
                  S. 10 in NE.,
S. 15 in SE., and
           S. 16 in SW. quadrants, and raise a mound of stone 2 ft. base, 12 ft.high W. of cor.
          Land, rolling. soil, 2nd rate, loose, sandy, gravelly.
           Scattering greasewood, cacti, sage brush. Good grass in
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Dec. 22, 1910.

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146
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Chains .
        N. 0° 2' W., bet. secs. 9 & 10.
          Over rolling, valley land, asc. grad., near W. foot of
           main slope of mts.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
         the ground for 1 sec. cor., marked onbrass cap, 1 S. 9 in W., and S. 10 in E. half,
         raise a mound of stone 2 ft. base, 12 ft.high W. of cor.
70.00 Wash, 150 lks. wide, course SW.
80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
         the ground for cor. of secs. 3,4, 9 & 10,
         marked on brass cap,
T. 27 N., R. 16 W. in N. half,
              S. 4 in NW.,
             S. 3 in NE.,
S.10 in SE., and
              S. 9 in SW. quadrants
         raise a mound of stone 2 ft.base, 12 ft. high W. of cor.
        Land, rolling, broken.
        Soil, 2nd rate, gravelly.
        Scattering greasewood, vacti. Good native grass.
       N. 0° 2' W., on a random line, bet. secs. 3 & 4.
40.00 Set temp. \frac{1}{4} sec. cor.
80.00 Intersect N. bdy. of Tp. at cor. of secs. 3,4, 33 & 34.
       whence I run,
g. 0° 2' E., on a true line, bet. secs. 3 & 4.
          Over rolling broken land, desc. grad.
12.00 Wash, 10 lks. wide, course SW.
16.00 Wash, 10 lks. wide, course SW.
32.00 Wash, 50 lks. wide, course SW.
40.00 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. 4 in W., and
                S. 3 in E. half,
         dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
         raise a mound of stone covered with earth 3 ft. base.
2 ft. high W. of cor.
57.00 Wash, 30 lks. wide, course SW.
80.00 To cor. of secs. 3,4, 9 & 10.
       Land, rolling, broken.
       Soil, 2nd rate, gravelly, stony.
       Scattering greasewood, cacti.
       Good native grass in places.
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Ch ains
            Dec. 23, 1910.
           At 8h a.m., l.m.t., at the cor. of secs. 4,5,32 & 35, on the S. bdy. of Tp.,
I set off 23°23' S. on the decl.arc, and 35°41' N. on the
             lat. arc, and determine a true meridian with the solar.
            Thence I run,
N. 0° 3' W., bet. secs. 32 & 33.
             Over level valley.
  21.00 Old road, brs. WNW. & ESE.
  40:00 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. 32 in \( \text{W.} \), and
             S. 33 in E. half,
dig pits 18x13x12 ins. N. & S. of cor. 3 ft. dist., and
  raise a mound of earth 31 ft.base, 11 fthigh W. of cor. 80.00 Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in the ground for cor. of secs. 28,29,32 & 33,
             marked on brass cap,
T. 27 N., R. 16 W. in N. half,
S. 29 in NW.,
S. 28 in NE.,
                    S. 33 in SE., and
             S. 32 in SW. quadrants, dig pits 18x18x12 ins. in each sec. 51 ft. dist., and
             raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
            Land, level. drains SW. Soil, 2nd rate, sandy, loose, loam.
            Sparse grass.
            S. 89°57' E., on a random line, bet. secs. 28 & 33%.
  40.00 Set temp. 1 sec. cor.
  80.02 Intersect N. & S. line at point 7 lks. N. of cor. of
              secs. 27,28,33 & 34, whence I run,
            N. 89.54'
                           W., on a true line, bet. secs. 28 & 33.
  Over level valley., drains SW.

40.01 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. 28 in $\mathbb{B}$., and
S. 33 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and
raise a mound of earth 3\frac{1}{2}$ ft.base, $\frac{1}{2}$ ft.high N. of cor.
  80.02 To cor. of secs. 28,29,32 & 33.
            Land, level.
            Soil, 2nd rate, loose, moist, sandy loam.
            Sparse sage and grass.
  N. 0° 3' W., bet. secs. 28 & 29.
Over genly undulating plain, loose, sandy loam.
24.40 Wash, 20 lks. wide, course WSW.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
              the ground for 1 sec. cor., marked on brass cap,
              S. 29 in W., and
S. 28 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
raise a mound of earth 31 ft.base, 12 ft.high W. of cor.
   54.00 Enter dense greasewood, brs. E. & W.
  70.00 Wash, 30 lks. wide, course SW.
80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
              the ground for cor. of secs. 20,21,28 & 29,
             marked on brass cap,
T. 27. N., R. 16 W. in N. half,
S. 20 in NW.,
                    S. 21 in NE.,
S. 28 in SE., and
                    S. 29 in SW. quadrants,
             dig pits 18x18x12 ins. in each sec. 51 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
             Land, undulating. Soil, 2nd rate, loose, sandy loam.
             Sparse bunch grass. Dense greasewood in places. Few cacti.
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188

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BOOK 2298
                                Subdivision of T. 27 N., R. 16 W.
Chains
          S. 89.54 E., on a random line, bet. secs. 21 & 28.
 40.00 Set temp. \frac{1}{4} sec. cor.
80.06 Intersect N. & S. line at point 2 lks. S. of cor. of
          secs. 21,22,27 & 28, whence I run,
N. 89°55' W., on a true line, bet. secs. 21 & 28.
Over gently undulating plain, desc. grad., through
dense greasewood, grass fair.
40.03 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,
            Is. 21 in N., and
S. 28 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and
raise a mound of earth 32 ft.base, 12 ft.high N. of cor.
45.25 Wash, 20 lks. wide, course WSW. 64.36 Wash, 20 lks. wide, course SW. 80.06 To cor. of secs. 20,21,28 & 29.
          Land, gently undulating, drains SW.
          Soil, 2nd rate, loose, moist, sandy loam, some gravel.
            Dense greasewood, sage brush. Good native grass.
          At this cor. at noon, Jane, I set off 23°25' S. on the decl. arc, and observe the sun on the meridian.
            The resulting lat. is 35° 43' N.
          N. 0° 3' W., bet. secs. 20 & 21.
            Over gently undulating plain. dense greasewood,
            asc. grad.
$1.60 Road, brs. E. & W.
40.00 Set an iron post 3ft. long, 1 in. in diam. 26 ins. in
           the ground for \(\frac{1}{2}\) sec. cor., marked on brass cap,
\(\frac{1}{4}\) S. 20 in W., and
\(S. 21\) in E. half,
\(\delta g \) pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and
\(\text{raise} a \) mound of earth 3\(\frac{1}{2}\) ft. base, 1\(\frac{1}{2}\) ft. high W. of cor.
80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 16,17,20 & 21,
           marked on brass cap,
T. 27 N., R. 16 W. in N. half,
                  S. 17 in NW.,
                 S. 16 in NE.,
S. 21 in SE., and
S. 20 in SW. quadrants,
             dig pits 18x18x12 ins. in each sec. 51 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
         Land, level, gently rolling. Drains SW.
Soil, 2nd rate, loose, sandy loam, some gravel.
Scattering sage brush, dense greasewood. Good native grass.
S. 89°55' E., on a random line, bet. secs. 16 & 21.
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N. 89 55 W., on a true line, bet. secs. 16 & 21. Over gently rolling, broken, land, desc. grad. 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1 sec. cor., marked on brass cap, \$ S. 16 in N., and S. 21 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3 ft.base, 1 ft.high N. of cor. 46.00 Wash, 40 lks. wide, course SW. 47.90 Old road, brs. NW. & ESE. 52.30 Wash, 40 lks. wide, course SSW. 80.00 To cor. of secs. 16,17,20 & 21. Land, gently rolling.
Soil, 2nd rate, loose, sandy, gravelly.
Demse greasewood, scattering sage brush. Good native grass. few cacti. Dec. 23, 1910.

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Chains.
          Dec. 24, 1910.
         At 8h a.m., l.m.t., at the cor. of secs. 16,17,20 & 21, I set off 23°22' S. on the decl.arc, and 35°44' N. on the
            lat., arc, and determine a true meridian with the solar.
 Thence I run,

N. 0° 3' W., bet. secs. 16 & 17.

Asc. grad., over rolling land, through dense greasewood,
scattering mesquite. grass. fair.

39.00 old road, brs. NW. & SE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
           the ground for 1 sec. cor., marked on brass cap,
1 S. 17 in W., and
S. 16 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist.,
            raise a mound of earth 3 ft.base, 1 ft.high W. of cor.
 78.00 Wash, 100 lks. wide, course SSW.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
            the ground for cor. of secs. 8,9,16 & 17,
            marked on brass cap,
T. 27 N., R. 16 W. in N. half,
                  s. 8 in NW.,
                 S. 9 in NE.,
S. 16 in SE., and
S. 17 in SW. quadrants,
            dig pits 18x18x12 ins. in each sec. 52 ft. dist., and
            raise a mound of stone covered with earth 4 ft. base,
          2 ft. high W. of cor.
Land, rolling. Drains SW.
Soil, 2nd rate, sandy, gravelly.
          Dense greasewood, scattering mesquite. Good native grass.
 S. 89.55 E., on a random line, bet. secs. 9 & 16.
 N. 89 55 W., on a true line, bet. secs. 9 & 16.

Over rolling, broken land, through dense greasewood.

Wash, 50 lks. wide, course SSW.

31.50 Wash, 100 lks. wide, course SSW.

Set an iron post 3 ft. long, 1 in; in diam. 26 ins. in
            the ground for 1 sec. cor., marked on brass cap,
            $\frac{1}{4}$ S. 9 in N., and
S. 16 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and
            raise a mound of earth 3 ft.base, 1 ft.high N. of cor.
 79.00 Wash, 100 lks. wide, course SSW.
 80.02 To cor. of secs. 8,9, 16 & 17.
           Land, rolling, broken.
Soil, 2nd rate, loose, sandy, gravelly.
Dense greasewood, Good native grass.
           N. 0° 3' W., bet. secs. 8 & 9.
            Over rolling, land, asc. grad., through scattering
            greasewood, mesquite, and cacti.
  40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
            the ground for 1 sec. cor., marked on brass cap,
                   S. 8 in W., and
S. 9 in E. half,
 dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high W. of cor. 53.00 Wash, 20 lks. wide, course SW. 01d road, brs. E. & W. 67.30 Main wash, 200 lks. wide, course SW.
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72.10 Asc. steep, stony SE slope.

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Subdivision of T. 27 N., R. 16 W.
Chains.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
            the ground for cor. of secs. 4,5, 8 & 9,
           marked on brass cap,
T. 27 N., R. 16 W. in N. half,
                   S. 5 in NW.,
                  S. 4 in NE.,
                  S. 9 in SE., and
S. 8 in SW. quadrants,
            raise a mound of stone 2 ft.base, la ft. high W. of cor.
          Land, rolling, broken.
          Soil, 2nd rate, sandy, gravelly, stony. Drains SW. Scattering greasewood, mesquite, cacti. Good grazing. At this cor. at noon, ......., I set off 23°241' S.on decl. arc, and observe the sun on the meridian.
            The resulting lat. is 35,45' N.
          S. 89 55' E., on a random line, bet. secs. 4 & 9.
40.00 Set temp. \frac{1}{4} sec. cor.
80.04 Intersect N. & S. line at point 2 lks. N. of cor. of
 secs. 3,4,9 & 10, whence I run,

N. 89 54' W., on a true line, bet. secs. 4 & 9.

Over broken, rolling land, slopes S.

8.50 Wash, 40 lks. wide, course S.
12.00 Wash, 200 lks. wide, course SSW.
19.95 Road, brs. N. & S.
40.02 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,
                   1 S. 4 in N., and
                     S. 9 in S. half,
           raise a mound of stone 2 ft.base, 12 ft.high N. of cor.
46.00 Old road, brs. NNE. & SSW.
48.00 Foot of main slope, brs. NE. & SW.
           wash, 150 lks. wide, course SSW. asc. steep.
57.00 Spur, brs. S. & N., desc.
70.00 Foot, and along steep S. slope.
80.04 To cor. of secs. 4,5, 8 & 9.
          Land, rolling, broken, mts.
Soil, 2nd rate, gravelly, stony.
          Scattering greasewood, mesquite, cacti. Good grazing.
N. 0° 3' W., on a random line, bet. secs. 4 & 5.
40.00 Set temp. 4 sec. cor.
79.96 Intersect N. bdy. of Tp. at point 2 lks. W. of cor. of secs. 4,5, 32 & 33, whence I run,
S. 0° 2' E., on a true line, bet. secs. 4 & 5.
Over mts. broken land, desc. steep S. slope.
20.00 Gulch 150 lks. wide, 200 ft. deep, course SW., asc. grad.
30.00 Agc. steep.
39.96 Impracticable to set iron post.
         Set a granite stone 24x15x10 ins., on barren granite bed-rock, in mound of stone for 2 sec. cor.,
marked 1 on W. face, and raise a mound of stone 2 ft. base, 11 ft. high W. of cor. No bearings available.

60.00 Top of barren rocky spur, brs. SW. & NE., desc. steep.
79.96 To cor. of secs. 4,5,8 & 9.
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Land, mts., very rough, barren. Soil, 3rd & 4th rate, stony, barren. Scattering palonegro, cacti. No grass.

Dec. 24,1910.

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Chains Dec. 26, 1910.
           At 8h a.m., l.m.t., at the cor. of secs. 5,6,31 & 32, on the S. bdy. of Tp., I set off 23 19 S. on the decl.arc, and 35 41 N. on the
 lat. arc, and determine a true meridian with the solar.
Thence I run,
N. 0° 3' W., bet. secs. 31 & 32.
Over barren dry, level lake bed, called Red Lake.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
              the ground for 1 sec. cor., marked on brass cap,
1 S. 31 in W., and
S. 32 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist.,
              raise a mound of earth 3 ft.base, 1 ft.high W. of cor.
 56.00 Road, brs. WNW. & ESE.
80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of sacs. 29,30,31 & 32,
              marked on brass cap,
                     T. 27 N., R. 16 W. in N. half,
                     S. 30 in NW.,
                     S. 29 in NE.,
                     S. 32 in SE., and
                     S. 31 in SW. quadrants,
              dig pits 18x18x12 ins. in each sec. 51 ft. dist., and
              raise a mound of earth 4 ft.base, 2 ft. high W. of cor.
            Land, level.
            Soil, 2nd rate, barren, clayey.
            S. 89°57' E., on a random line, bet. secs. 29 & 32.
  40.00 Set temp. 1 sec. cor.
  80.00 Intersect N. & S. line at point 2 lks. N. of cor. of secs. 28,29,32 & 33, whence I run, N. 89 56' W., on a true line, bet. secs. 29 & 32.
  Over level valley.

22.00 Wash, 30 lks. wide, course SSW.

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,
                      \frac{1}{4} S. 29 in N., and
  S. 32 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and
raise a mound of earth 31 ft.base, 11 ft.high N. of cor.
72.00 Enter dry lake bed of Red Lake, brs. N. & S.
  80.00 To cor. of secs. 29,30,31 & 32.
             Land, level.
             Soil, 2nd rate, sandy, clayey. stiff, heavy. Sparse sage brush and bunch grass.
            N. 89° 57° W., on a random line, bet. secs. 30 & 31.
  40.00 Set temp. \frac{1}{2} sec. cor.
  79.21 Intersect W. bdy. of Tp. at point 21 lks. N. of cor. of secs. 25,30,31 & 36, whence I run, S. 89.58' E., on a true line, bet. secs. 30 & 31.

Over level, barren lake bed, dry.
  36.00 Road, brs. NW. & SE.
  39.21 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,
                      1 S. 30 in N., and
              S. 31 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 32 ft. base, 12 ft. high N.of cor.
             To cor. of secs. 29,30,31 & 32.
             Land, revel. barren.
             Soil, 2nd rate, clayey, stiff, heavy.
               subject to flooding.
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Subdivision of T. 27 N., R. 16 W. Chains N. 0° 3' W., bet. secs. 29 & 30. Over barren, dry lake bed. level. 20.00 Leave lake bed, brs. NNW. & SSE., 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1 sec. cor., marked on brass cap, 1 S. 30 in W., and S. 29 in E. half, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 31 ft.hase., 11 ft.high W. of cor. 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 19,20,29 & 30, marked on brass cap,
T. 27 N., R. 16 W. in N. half,
S. 19 in NW., S. 20 in NE., S. 29 in SE., and S. 30 in SW. quadrants, dig pits 18x18x12 ins. in each sec. 51 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high W. of cor. Land, level. Soil, 2nd rate, clayey, heavy, stiff, moist. Sparse sage brushn and bunch grass. S. 89° 56° E. on a random line, bet. secs. 20 & 29. 40.00 Set temp. 1 sec. cor. 80.00 Intersect N. & S. line at point 2 lks. N. of cor. of secs. 20,21,28 & 29, whence I run, N. 89455' W., on a true line, bet. secs. 20 & 29. Desc. gently, in valley, through dense greasewood. 26.00 Leave greasewood, brs. NW. & SE. 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. 20 in N., and S. 29 in S. half, dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 31 ft.base, 11 ft.high N. of cor. 80.00 To cor. of secs. 19,20,29 & 30. Land, level, gently undulating. Soil, 2nd rate, loose, sandy loam. Drains SW. Greasewood, sage brush. Good native grass. At this cor. at noon, 1.m.t, clouds obscure the sun. Impracticable to observe the latitude. N. 89.58 W., on a random line, bet. secs. 19 & 30. 40.00 Set temp. 1 sec. cor. 79.14 Intersect W. bdy. of Tp. at point 7 lks. S. of cor. of secs. 19,24,25 & 30, whence I run,
S. 89 55' E., on a true line, bet. secs. 19 & 30.
Over level, barren, dry lake bed. 26.00 Leave lake bed, brs. NW. & SE., thence over level land. 39.14 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. 19 in N., and
S. 30 in S. half,
dig pits  $18 \times 18 \times 12$  ins. E. & W. of cor. 3 ft. dist., and
raise a mound of earth  $3\frac{1}{2}$  ft.base,  $1\frac{1}{2}$  ft.high N. of cor.

79.14 To cor. of secs. 19,20,29 & 30. Land, level. drains SW. Soil, 2nd rate, stiff, clayey, sandy, heavy loam. Sparse bunch grass in places.

153

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Subdivision of T. 27 N., R. 16 W.
Chains
             N. 0° 3' W., bet. secs. 19 & 20.
 Over gently undulating land, asc. grad.

Enter dense greasewood, brs. NNW. & ESE.

40.00 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,
\( \frac{1}{2} \) in \( \frac{1}{2} \). and
                S. 20 in E. half, dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3 ft.base, 1 ft.high W. of cor.
 46.50 Road, brs. E. & W.
60.00 Wash, 50 lks. wide, course SW.
80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
                the ground for cor. of secs. 17,18,19 & 20,
                marked on brass cap,
T. 27 N., R. 16 W. in N. half,
S. 18 in NW.,
                         S. 17 in NE.,
                         S. 20 in SE., and
                S. 19 in SW. quadrants, dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
               Land, gently undulating
              Soil, 2nd rate, stiff, heavy, sandy loam. Greasewood, sage brush, few cacti. Good native grass.
              S. 89°55' E., on a random line, bet. secs. 17 & 20.
  40.00 Set temp. 1 sec. cor.
  80.02 Intersect cor. of secs. 16,17,20 & 21, whence I run, N. 89 55 W., on a true line, bet. secs. 17 & 20.
Over gently rolling plain, through dense greasewood.
  21.90 Wash, 40 lks. wide, course SSW.
  39.85 Wash, 20 lks. wide, course SW.
40.01 Set an iron post 3 ft. long l in. in diam. 26 ins. in the ground for \( \frac{1}{2} \) sec. cor., marked on brass cap, \( \frac{1}{2} \) S. 17 in N., and \( S. 20 \) in S. half, \( \text{dig pits } 18x18x12 \) ins. E. & W. of cor. 3 ft. dist., and
  raise a mound of earth 31 ft.base, 12 ft. high N. of cor. 45.13 Wash, 40 lks. wide, course SSW. 54.43 Wash, 50 lks. wide, course SSW. 80.02 To cor. of secs. 17,13,19 & 20.
               Land, gently rolling.
Soil, 2nd rate, loose, sandy loam. some gravel.
               Dense greasewood, sparse grass.
               N. 89°55' W., on a random line, bet. secs. 18 & 19.
   40.00 Set temp. 2 sec. cor.
  79.08 Intersect cor. of secs. 13,18,19 & 24, on W. bdy. of Tp., whence I run, S. 89.55 E., on a true line, bet. secs. 18 & 19.
                Over level plain.
   39.08 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
  the ground for ½ sec. cor., marked on brass cap,

¿.S. 18 in N., and
S. 19 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and
raise a mound of earth 3½ ft. base, 1½ ft.high N. of cor.
Enter dense greasewood, brs. N. & S. asc. slightly.

79.08 To cor. of secs. 17,18,19 & 20.
               Land, level.
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Soil, 2nd rate, heavy sandy loam, some gravel.

Greasewood. Fine native grass.

Dec. 26, 1910.

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BOOK 2298
                          Subdivision of T. 27 N., R. 16 W.
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Chains, Dec. 27, 1910.
          At 8h a.m., l.m.t., at the cor. of secs. 17,18,19 & 20, I set off 23^{\circ}17\frac{1}{2} S.on the decl. arc, and 35^{\circ}44^{\circ} N.on the
            lat. arc, and determine a true meridian with the solar.
          Thence I run,
N. 0° 3' W., bet. secs. 17 & 18.
Over gently rolling land,
 27.22 Wash, 15 lks. wide, course SW.
40.00 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. 18 in W., and
                      S. 17 in E. half,
dig pits 18x18x12 ins. N. & S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft.high N.of cor. 66.50 Wash, 10 lks. wide, course WSW. Wash, 10 lks. wide, course WSW. Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
            the ground for cor. of secs. 7,8,17 & 18.
            marked on brass cap,
T. 27 N., R. 16 W. in N. nalf,
S. 7 in NW.,
S. 8 in NE.,
                  S. 17 in SE., and
                  S. 18 in SW. quadrants,
            dig pits 18x18x12 ins. in each sec. 51 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
           Land, gently rolling.
          Soil, 2nd rate, loose, sandy, gravelly.
          Sparse sage brush, greasewood. Dense cacti. Good grass.
          S. 89°55' E., on a random line, bet. secs. 8 & 17.
 40.00 Set temp. \frac{1}{2} sec. cor.
80.00 Intersect N. & S.line at point 5 lks. S. of cor. of
          secs. 8,9, 16 & 17, whence I run,
N. 89 57 W., on a true line, bet. secs. 8 & 17.
            Over gently rolling land, desc. grad.
 32.00 Old road, brs. NW. & SE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 2 sec. cor., marked on brass cap,
                  S. 8 in N., and S. 17 in S. half,
dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor. 51.40
Wash, 15 lks. wide, course SW.
Wash 20 lks. wide, course SW.
To cor. of secs. 7,8,17 & 18.
          Land, gently rolling.
          Soil, 2nd rate, sandy gravelly, loose.
          Sparse greasewood, dense cactus. Good native grass.
          The cor. of secs. 7,12,13 & 18 on W. bdy. being plainly
visible, and bearing N. 89°57' W., I run,
N. 89°57' W., on a random line, bet. secs. 7 & 18.
40.00 Set temp. \( \frac{1}{4} \) sec. cor.
 79.01 Intersect cor. of secs. 7,12,13 & 18, on W. bdy. of Tp.,
            whence I run,
          S. 89 57 E., on a true line, bet. secs. 7 & 18.
Over gently undulating valley.
25.00 Wash, 30 lks. wide, course WSW.
39.01 Set an iron post 3 ft. long, 1 in. in diam. 26 lins. in
            the ground for \frac{1}{4} sec. cor., marked on brass cap,
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S. 89 57 E., on a true line, bet. secs. 7 & 18.

Over gently undulating valley.

25.00

39.01 Wash, 30 lks. wide, course WSW.

Set an iron post 3 ft. long, 1 in. in diam. 26 lins. in the ground for \( \frac{1}{2}\) sec. cor., marked on brass cap,

\( \frac{1}{2}\) S. 7 in N., and

\( S.18\) in S. half,

\( \text{dig pits } 18x18x12\) ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth 3\( \frac{1}{2}\) ft.base, 1\( \frac{1}{2}\) ft.high N. of cor.

67.00

71.00

70.01 To cor. of secs. 7,8,17 & 18.

Land, undulating . Soil, 2nd rate, sandy, gravelly . Grass, fair.

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Chains.
N. 0° 3' W., bet. secs. 7 & 8.

Over gently rolling land.

12.73 Old road, in wash, 50 lks. wide, course WSW.

37.77 Old road, brs. SE. & NW.

39.60 Old road, brs. E. & W.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
             the ground for 1 sec. cor., marked on brass cap,
S. 7 in W., and
S. 8 in E. half,
raise a mound of stone 2 ft.base, ll ft.high W. of cor.
50.00 W. foot of butte, 200 ft. high, top, brs. 6 chs. E.
69.09 Wash, 50 lks. wide, course WSW.
80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in
             the ground for cor. of secs. 5,6,7 &8,
             marked on brass cap,
T. 27 N., R. 16 W. in N. half,
                    S. 6 in NW.,
            S. 5 in NE.,
S. 8 in SE., and
S. 7 in SW. quadrants,
dig pits 18x18x12 ins. in each sec. 51 ft. dist., and
            raise a mound of earth 4 ft.base, 2 ft. high W. of cor.
           Land, rolling,
           Soil, 2nd rate, sandy, gravelly.
           Sparse greasewood, mesquite, cacti. Good native grass.
           At this cor. at noon, I, ..., ... I set off 23 191' S. on the decl. arc, and observe the sun on the meridian.
             The resulting lat. is 35°45' N.
           S. 89°57' E., on a random line, bet. secs. 5 & 8.
40.00 Set temp. 2 sec. cor.
79.96 Intersect N. & S. line at point 5 lks. N. or cor. or secs. 4,5,8 & 9, whence I run,
N. 89.55 W., on a true line, bet. secs. 5 & 8.

Over mts. land, along steep SE.slope.

20.00 Top of spur, brs. SW. & NE., desc. steep.

30.00 Foot of main slope, brs. N. & S., desc. grad.

59.92 Set an iron post 3 ft. long, l in. in diam. 26 ins. in the ground for \(\frac{1}{4}\) sec. cor., marked on brass cap,
\(\frac{1}{4}\) S. 5 in N., and
\(\frac{1}{5}\) S. 8 in S. half,
\(\frac{1}{3}\) pits 18x18x12 ins. E. & W. of or cor. 3 ft. dist., a
79.96 Intersect N. & S. line at point 5 lks. N. of cor. of
             dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and
raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor. 56.00 Wash, 80 lks. wide, course SW. 79.96 To cor. of secs. 5,6,7 & 8.
           Land, mts., rolling.
                                                                        . . JBN
           Soil, 2nd rate, gravelly, stony.
           Scattering greasewood, cacti. Good native grass.
          N. 89°57' W., on a random line, bet. secs. 6 & 7.
40.00 Set temp. \(\frac{1}{2}\) sec. cor.
78.95 Intersect W. bdy. of Tp. at cor. of secs. 1,6, 7 & 12,
           whence I run,
S. 89° 57° E., on a true line, bet. secs. 6 & 7.
Over rolling land, asc. grad.
18.00 Old road, brs. NNW. & SSE. asc. steeper.

38.00 Top of ridge, brs. N. & S. desc. steep.

38.95 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}{4} S. 6 in N., and
S. 7 in S. half,

raise a mound of stone 2 ft.base, la ft.high N. of cor.

50.00 Foot of ridge, brs. N. & S., enter grassy flat.
78.95 To cor. of secs. 5,6,7 &8.
           Land, rolling mts.
           Soil 2nd rate, gravelly, stony., loose.
           Scattering greasewood, cacti. Fine native grass in flat.
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156

19

Chains.

N.  $0^{\bullet}$  3' W., on a random line, bet. secs. 5 & 6.

40.00 Set temp. ½ sec. cor.
79.94 Intersect N. bdy. of Tp. at point 5 lks. E. of cor. of secs. 5,6,31 & 32, whence I run, S. 0° 5' E., on a true line, bet. secs. 5 & 6. Over rough mts. land, desc. steep SW.slope. 15.00 Head of gulch, course WSW., asc.

21.00 Top of spur, brs. WSW. & ENE., desc. over succession of

very rough rocky points.

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

1 S. 6 in W., and
S. 5 in E. half,

raise a mound of stone 2 ft. base, 12 ft.high W. of cor. 43.00 Foot of main slope, brs. E. & W., desc. grad.

79.94 To cor. of secs. 5,6,7 & 8.

Land, mts., rolling.

Soil, 2nd & 3rd rate, gravelly, stony., loose. Scattering greasewood, cacti. Good native grass in flat. Dec. 27, 191Q.

--- General Description, T. 27 N., R. 16 W. --- This Tp. broken and rolling in the SE., nearly level in the SW., and somewhat mountainous in the NW. portions as surveyed. The NE. portion is so rough and mountainous as to be impracticable to survey by the ordinary methods of surveying public lands, and as the land in the NW. portion is also of so worthless a character, being barren ledges of granite, I considered that the cost of surveying this portion of the Tp. accurately would exceed the value of the lands embraced. Therefore in accordance with supplemental instructions as issued me relative thereto, I eliminate these lands from my surveys.

The NW. and SW. portions of the Tp. is a loose, gravelly soil in general covered with greasewood, and cacti., and a fair growth of native grass.

The SW. portion surveyed, is smooth open land and would be very valuable if irrigated, as the soil is a fine sandy loam, very fertile.

All of the land surveyed is good grazing land. There is no water or timber in the Tp.

The topographical indications are that water would be reached at comparatively little depth in the SW.

There are no settlers or any indications of occupation of any lands in the Tp, nor any indications of a mineral character in the lands surveyed.

Jesse Burght
U. S. Surveyor.

### APPROVAL.

OFFICE OF THE UNITED SPATES SURVETOR CENTERAL,
Thering Class March 75, 1912
The publication of 12791 Plan.
The foregoing field notes of the survey of the subdivisions of 12711 (166).  Ba OR. Meridian Chipma
Ja M. Mendians Computer
/
executed by Assa D. Wright U.D. Quartyer
under his special instructions dated
critically examined, and the necessary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby approved.
U. S. Surveyor General.