2020 FIELD NOTES

2328

accepted 5. L.O. letter "E" Lated Dec. 17, 19/2.
OF THE SURVEY OF THE

	Quhdivisions 6, 118/D P 26 E
	aud
	Letrocement of Douth East and West Bodes
•	
1	of the Sila Walt Pinz Meridian,
	In the State of Chinaux
	In the state of
	EXECUTED BY
	John Messe
	() Alfred M. Cleve
	2
	In the capacity of U.S. Surveyor, under instructions dated Mug. 2, 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, extends of 1910, pursuant to authority contained in the Act of
	Congress dated Most 4, 1911
•	Survey commenced Cluquest 3, 1911
*	Survey completed Lugust 14, 1911
	6-151

INDEX DIAGRAM.

Townsi	hip		, Range		
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19	20	31	22	23	24
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31	32	33	34	35	36

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BOOK 2328

INDEX DIAGRAM.

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Meanders Page

6—15

PRELIMINARY OA	THS OF ASSISTANTS.
J. H. Bates, R. A. Coomb	s A. F. Lyon R. L. Bates.
do solemnly swear that we will well and faithfully	execute the duties of chainmen; that we will level the
	tally pins, either by sticking or dropping the same; that
	ects, and the true lengths of all lines that we assist in
	n accordance with instructions given us, in the survey of
the subdivision lines of Tp. 18 south, east and west boundaries	of Tp., 18 S. Rg. 26 E.
a. E. hyon	R'a le vermbo., Chainman.
P. D. Bates	
Subscribed and sworn to before me this 4th	 }
day of August , 19 11	John F. Hesse
W SEAL (例 ※承定承金数	U. S. Transitman.
WE, H. R. Harvey	and E. E. Mills
do solemnly swear that we will well and truly	perform the duties of moundmen in the establishment
	s, to the best of our skill and ability, in the survey of
the subdivision lines of Tp. 18 south, east and west boundaries	S. Rg. 26 E. and resurvey of the of Tp. 18 S. Rg. 26 E.
: 44	GES Mills, Moundman.
	6. Es Mills, Moundman.
a la	
Subscribed and sworn to before me this 4th.	{
day of August , 19 11	John J. Hesse
W SEAL W	U. S. Transitman.
WE, E. Barnes	and H. F. Dillman
do solemnly swear that we will well and truly per	form the duties of axmen in the establishment of corners
and other duties, according to instructions given	us, to the best of our skill and ability, in the survey of
the subdivision lines of Tp. 18 south, east and west boundaries	S. Rg. 26 E. and resurvey of the of Tp. 18 S. Rg. 26 E.
*	Axman.
	St. F. Dillman., Axman.
Subscribed and sworn to before me this 4th.	·
day of August , 19 11	John F. Hesse
SEAL W	U. S. Transitman.
Ralph Brown P. B. Hilderbran	we, do solemnly swear that Kwill well and truly
perform the duties of flagman according to instru	ctions given we to the best of my skill and ability, in the
survey of the subdivision lines of south east and west boundaries of	Tp. 18 6. Rg. 26 E. and resurvey of the of Tp. Je 6 Rg. 26 E.
Ralph Brown	-10-0 Sees y y Hagman.
Subscribed and sworn to before me this 4th.	
day of August , 19 11	John F. Hesse

U. S. Transitman.

6—151

Survey commenced August 3, 1911, and executed with an A. Lietz light mountain transit, No.7532, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs. The instrument was examined and approved by the Supervis-

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

At my camp, which is near the cor.of secs. 21,22,27 and 28, Tp.19 S., Rg. 25 E.; latitude, $31^{\circ}45\frac{1}{2}$ 'N.; longitude 109°48'33" W.; I set off 31° $45\frac{1}{2}$ 'N. on the lat.arc; 17°38'N. on the decl.arc; and, at 5h.00m.p.m., determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground, 5 chs. N.of

my station.

At 10h.45m.p.m., by my watch, which has correct l.m.t., I observe Polaris at eastern elongation, in accordance with Manual of instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N.of my station.

August 3, 1911.

August 4: At 6 a.m., l.m.t., I lay off the azimuth of Polaris, 1°23' to the west, and mark the meridian thus determined, by cutting a small groove in the stone set August 3, on which the meridian coincides with the

mark determined by the Solar. At 7h.00m., a.m., l.m.t., I set off 31° $45\frac{1}{2}$ 'N. on the lat. arc; $17^{\circ}28\frac{1}{2}$ 'N. on the decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N.of my station; this mark coincides with the meridian determined by the Polaris observation.

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

The magnetic bearing of the true meridian, at 7h.15m.a.m., is N.13° 15'W.; the angle thus determined gives the magnetic decl. 13°15' E.

At 9h.00m., a.m., l.m.t., I set off 31°49'N. on the lat. arc; 17°26½'N. on the decl.arc; and determine a meridian with the solar at the cor. of Tps 18 and 19 S., Rs. 26 and 27 E., and as the post is badly rotted and the mound of stone in poor condition, I reestablish the cor. in the same place as follows:

Set a quartzite stone 20x10x6 ins., 15 ins. in the ground for cor.of Tps.18 and 19 S, Rs. 26 and 27 E,

marked

18 S on NE., 27 E on SE.,

19 S on SW., and 26 E on NW. face; with 6 notches on each edge; dig pits 24x24x12 ins. on each line, N., E. and W., 4 ft. and S. of stone 8 ft. dist., and raise a mound of earth

5 ft.base, $2\frac{1}{2}$ ft. high, S.of cor. Thence I retrace north on the E.bdy.of the Tp., bet. secs.31 and 36.

Fall 87 lks.E.of $\frac{1}{4}$ sec. cor.

Thence north from $\frac{1}{4}$ sec.cor.

Fall 60 lks.E.of cor. of secs. 25,30,31 and 36.

20/28 BOOK 23/28 Retracement of the East bdy of Township 18 South, Range 26 E. North, bet. secs 25 and 30. Fall 7.1ks . W, of $\frac{1}{4}$ sec. cor. Thence north from $\frac{1}{4}$ sec. cor. 39.91 Fall 2 lks.E.of cor.of secs.19,24,25 and 30.

August 4: At this cor. I set off 17° 24½ N. on the decl.

arc, and observe the sun on the meridian at noon; the 40.03 resulting lat.is 31°50½'N. North, bet. secs.19 and 24. Fall 36 lks.W.of the $\frac{1}{4}$ sec.cor. 39.97 Thence north from $\frac{1}{4}$ sec.cor. Fall 18 lks.E. of cor.of secs.13,18,19 and 24. North, bet. secs 13 and 18. 40.00 Fall 59 lks W.of 2 sec.cor. Thence from \(\frac{1}{4}\) sec.cor.north. 40.12 Fall 5 lks. W. of cor. of secs. 7,12,13 and 18. North, bet. secs. 7 and 12. Fall 5 lks. E. of $\frac{1}{4}$ sec. cor. Thence north from $\frac{1}{4}$ sec. cor. Fall 19 lks. W. of cor. of secs. 1, 6, 7 and 12. 40.29 39.57 North, bet. secs.l and 6. Fall on $\frac{1}{4}$ sec.cor. 40.02 Thence north from & sec.cor. Fall 1 link W.of cor. of Ts.17 and 18 S., Rs. 26 and 27 40.49 C. C.C. August 4; 1911. August 7: At 7h.00m.a.m., l.m.t., I set off 3h.49 N.on the lat.arc; 16.40 N. on the decl.arc; and determine a meridi an with the solar at the cor. of Tps.18 and 19 S., Rs. 26 and 27 E. Thence I run,
N.1°15'W. on E.bdy.of sec.36. Over nearly level land. Joseph Tevel land.

I destroy all traces of the old \(\frac{1}{4}\) sec.cor., and reestablish it in the same place as follows:

Set a quartzite stone 18x10x5 ins., 12 ins. in the ground for \(\frac{1}{4}\) sec.cor. on \(\Vert \). bdy. of sec.31, marked \(\frac{1}{4}\) on \(\Vert \). face; dig pits 18x18x12 ins. \(\N\). and \(\Sigma\). of stone 3 ft. dist., and raise a mound of earth \(\frac{1}{2}\) ft. base, \(\frac{1}{2}\) ft. high, \(\Vert \). of cor. Thence W.O? 51' W. Set a malpais stone 24x8x5 ins., 18 ins. in the ground 40.64 for $\frac{1}{4}$ sec.cor., on E.bdy.of sec.36, marked $\frac{1}{4}$ on W.face; 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 cor. I destroy all traces of the old sec.cor., and reestablish it in the same place as follows: 79.45 Set a quartzite stone 18x12x10 ins., 12 ins. in the ground for cor.of secs.30 and 31, marked with 1 notch on S. and 5 notches on N.edges; dig pits 24x24x12 ins. in each sec.6 ft. dist., and raise a mound of earth 4 ft.base, 2 ft. high, E. of cor. Thence I run, N.0°6'E., continuing measurement. Set a malpais stone 24x10x5 ins., 18 ins. in the ground for cor. of secs. 25, and 36, marked with 1 notch on 5. and 5 notches on N.edges; and raise a mound of earth

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Retracement of the East Boundary of To. 18 South
Chains.
                                                                                              202
          4 ft.base, 2 ft. high, W.of cor.
          Land, level.
          Soil, sandy loam, medium texture, dry, 1st rate.
          No timber.
          Some grass.
          N.0006'E. on E.bdy.of sec.25.
          Over slightly rolling land.
          Cross wash, 6 lks.wide, course SE.
24.48
33.81
          I raise a mound of stone 2 ft.base, l\frac{1}{2} ft.high, W.of old
38.72
             as described by the
             Surveyor General.
                                         Pits impracticable.
          Thence N.0°2'W.
40.00
          Set a malpais stone 20x8x5 ins., 14 ins. in the ground
             for \frac{1}{4} sec.cor, on E.bdy.of sec.25, marked \frac{1}{4} on W.face; dig pits 18x18x12 ins. N.and 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.
          Ascend steep rocky hill.
Top of hill, bears NW.and SE.; descend.
41.72
64.72
78.75
          I destroy all traces of old sec.cor., and reestablish it
          in the same place as follows:
Set a malpais stone 24x8x8 ins., 18 ins. in the ground
             for cor.of secs. 19 and 30, marked with 4 notches on
             N. and 2 notches on S.faces; raise a mound of stone 2 ft. base, l\frac{1}{2} ft. high, W. of cor. Pits impracticable.
          Thence N.0°31'E., continuing measurement.
          Set a malpais stone 20x10x8 ins., 16 ins. in the ground
80.00
             for cor.of secs. 24 and 25, marked with 4 notches on N. and 2 notches on S.faces; raise a mound of stone 2
          ft.base, 12 ft. high, W.of cor. Pits impracticable.
Land, rolling and hilly.
Soil, very sandy loam over 2 ft. deep; dry, medium texture, 2nd rate, except 38.29 chs., which is rocky and worthless, 4th rate.
No timber. No undergrowth.
          N.0°31'E. on E.bdy.of sec. 24.
          Descending steep rocky hill,
21.75
          Over rolling land.
38.72
          I destroy all traces of old \frac{1}{4} sec.cor., and reestablish
          it in the same place as follows:
Set a malpais stone 22x8x6 ins., 18 ins. in the ground
             for \frac{1}{4} sec.cor., on W.bdy. of sec.19, marked \frac{1}{4} on W. face; dig pits 18x18x12 ins. N.and 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.
          Thence N.O°15'W.
          Set a phonolite stone 18x6x5 ins., 16 ins. in the ground
40.00
             for \frac{1}{4} sec.cor. on \mathbb{E}.bdy.of sec.24, marked \frac{1}{4} x on \mathbb{V}.
             face; dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist., and raise a mound of earth 3\frac{1}{2} ft. base, \frac{1}{2} ft.
            high, W. off cor.
          I destroy all traces of the old sec.cor., and reestablish
 78.72
           it in the same place as follows:
          Set a phonolite stone 18x7x4 ins., 14 ins. in the ground,
             for cor.of secs.18 and 19, marked with 3 notches on N.
             and 3 notches on S.faces; 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, E.of cor.
          Thence N.0051 'E., continuing measurement.
          Set a phonolite stone 18x6x4 ins., 14 ins. in the ground for cor of secs.13 and 24, marked with 3 notches on N.
80.00
             and 3 notches on S.faces; 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 cor.
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Chains
             Land, rolly and hilly.
             Soil, sandy loam over 2 ft. deep, dry, medium texture, lst rate, except 21.75 chs., which is rocky and worthless,
                   4th rate.
             No timber.
             No undergrowth.
             N.OP 51'E. on E.bdy.of sec.13.
             Over slightly rolling land.

I destroy all traces of the old d.sec.cor., and reestablish it in the same place as follows:

Set a phonolite stone 18x6x5 ins., 14 ins. in the ground for d sec.cor. on W.bdy.of sec. 18, marked d on W.face; dig pits 18x18x12 ins. N.and S.of cor. 3 ft. dist., and
38.72
                    raise a mound of earth 3\frac{1}{2} ft. base, 1\frac{1}{2} ft. high W.of
              Thence N,004'
                                          E.
40.00 Set a phonolite stone 18x6x5 ins., 14 ins. in the ground for the \(\frac{1}{4}\) sec.cor. on \(\mathbb{L}\). bdy.of sec.13, marked \(\frac{1}{4}\) on \(\mathbb{W}\). face; dig pits 18x18x12 ins., \(\mathbb{N}\). and \(\mathbb{S}\). 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.
Cross road, bears NW.and SE.
Cross road, bears NW. and SE.
 75.94
 78.38
 78.84
             I destroy all traces of the old cor. of secs. 7 and 18,
             and reestablish it in the same place as follows:
Set a phonolite stone 14x8x6 ins., 10 ins. in the ground
for cor of secs. 7 and 18, marked with 2 notches on N.
and 4 notches on S.faces; 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, E. of cor.

Thence N.0°4'W., continuing measurement.

80.00 , Set a phonolite stone 18x6x6 ins., 14 ins. in the ground
                   for cor.of secs.12 and 13, marked with 2 notches on N. and 4 notches on S.faces; 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 cor.
              Land, slightly rolling.
                        sandy loam, over 2 ft. deep; dry, medium texture,
                    1st rate.
              No timber. No undergrowth.
              N.0004' W. on E.bdy.of sec. 12.
              Over slightly rolling land.
             I destroy all traces of the old \(\frac{1}{4}\) sec.cor., and reestablish it in the same place as follows:

Set a phonolite stone 20x10x4 ins., 16 ins. in the ground for \(\frac{1}{4}\) sec.cor. on W.bdy.of sec.7, marked \(\frac{1}{4}\) on W.face; dig pits 18x18x12 ins. N.and S.of cor. 3 ft. dist.,
39.13
                    and raise a mound of earth 3\frac{1}{2} ft. base, 1\frac{1}{2} ft. high,
                   W.of cor.
              Thence N.0°16 E.
            Set a phonolite stone 18x6x5 ins., 14 ins. in the ground
40.00
                   for the \frac{1}{4} sec.cor. on E.bdy.of sec. 12, marked \frac{1}{4} on W. face; dig pits 18x18x12 ins. N.and 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.
             Cross wash, 25 lks.wide, course NE. I destroy all traces of the old sec.cor.of secs. 6 and
57.79
                    7, and reestablish it in nothe same place as follows:
              Set a phonolite stone 18x8x6 ins., 14 ins. in the ground
                    for cor.of secs.6 and 7, marked with 1 groove on N.
                    and 5 grooves on S.faces; 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, E.of cor.
              Thence I run, north, continuing measurement.
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Retracement of East bdylof Township 18 South, Range 26 E

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Retracement of East bdy of Township 18 South Range 26 E
Chains.
            Set a quartzite stone 20x8x8 ins., 16 ins. in the ground for cor. of secs.1 and 12, marked with 1 groove on N. and 5 grooves on 3.faces; dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base,
 80.00
                2 ft. high, W.of cor.
             Land, slightly rolling.
                      sandy loam, over 2 ft. deep, dry, medium texture.lst
                rate.
             No timber.
             No undergrowth.
             North on E.bdy.of sec.1.
             Over slightly rolling land.
  4.78
             Cross road, bears E.and W.
             I destroy all traces of the old \frac{1}{4} sec.cor., and reestablish it in the same place as follows:
 38.72
            Set a malpais stone 18x16x4 ins., 14 ins. in the ground for \frac{1}{4} sec.cor. on W.bdy.of sec.6, marked \frac{1}{4} on W.face; dig pits 18x18x12 ins. N.and 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.
             Thence N.O°O1' E.
 39.82
             Fence bears H.and W.
            Set a phonolite stone 18x6x6 ins., 14 ins. in the ground for \frac{1}{4} sec.cor. on \mathbb{E}.bdy. of sec.1, marked \frac{1}{4} on \mathbb{W}.face; dig pits 18x18x12 ins. \mathbb{N}.and \mathbb{S}.of cor. 3 ft. dist., and raise a mound of earth 3\frac{1}{2} ft. base, 1\frac{1}{2} ft. high, \mathbb{W}.of
 40.00
                cor.
             Cross wash 60 lks.wide, course NW.
44.32
 78.05
             Fence bears E.and W.
             I destroy old cor. of Tps.17 and 18 S., Rs.26 and 27 E.,
79.21
             and reestablish it in the same place as follows:
Set a phonolite stone 24x8x8 ins., 18 ins. in the ground
for cor. of Ts. 17 and 18 S., Rs. 26 and 27 E., marked
                with 6 notches on each edge; dig pits 24x24x12 ins.in each line, N., E. and W., 4 ft. and S. of stone 8 ft. dist., and raise a mound of earth 5 ft. base, 2\frac{1}{2} ft. high, S.
                of cor.
             Hand, slightly rolling.
             No timber. No undergrowth.
                                                                                August 7, 1911.
                                                                            John 4. Hesse
                                                                             U. S. Transitman.
             August 5: I begin at the cor. of Ts.18 and 19 S., Rs.26
                and 27 E., previously described.
             Thence I retrace west on S.bdy.of Tp., bet. secs.l and 36. Fall 5 lks.south of \frac{1}{4} sec.cor.
 40.00
             Thence west from \( \frac{1}{4} \) sec.cor.
 40.00
            Fall 5 lks.S.of cor. of secs. 1,2,35 and 36.
             West, bet. secs. 2 and 35.
            Fall 21 lks.S.of: 4 sec.cor.
Thence west from 4 sec.cor.
 40.00
            Fall 1 1k. N. of cor. of secs. 2, 3, 34 and 35.
 40.00
             West, bet. secs.3 and 34.
            Fall 1 lk. .N.of \frac{1}{4} sec.cor.
Thence west from \frac{1}{4} sec.cor.
Fall 9 lks.S.of cor.of secs. 3,4,33 and 34.
 40.06
 40.02
            August 5: At this cor. I set off
                                                                                           on the decl.
                arc, and observe the sun on the meridian at noon; the
                resulting lat.is 31°49'N.
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West, bet, secs.4 and 33.

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Retracement of the South bdy of Township 18 South Range 26 E.
Chains
 39.96 Fall 9 lks.S.of the 1/2 sec.cor. Thence west from 1/4 sec.cor.
 40.08 Fall 7 lks.S.of cor.of secs. 4,5,32 and 33.
 West, bet. secs. 5 and 32.
40.08 Fall 5 lks. N.of the \frac{1}{4} sec. cor.
           Thence west from \frac{1}{4} sec.cor.
 39.16 Fall 4 1ks.N.of cor. of secs. 5,6,31 and 32.
           West, bet. secs.6 and 31.
 39.95 Fall 30 lks.S.of \( \frac{1}{4} \) sec.cor.

Thence west from \( \frac{1}{4} \) sec.cor.

39.96 Fall 12 lks.N.of cor. of Tps.18 and 19 S., Rs.25 and 26 E.
                                                                August 5, 1911.
          August 7: At the cor. of Tps. 18 and 19 S., Rs. 26 and 27 E.
                hereinbefore described, I set off 16°36'N. on the decl
                arc, and observe the sun on the meridian at noon; the
                resulting lat. is 31°49'N.
           Thence I run,
           N.89°56'W. on S.bdy. of sec.36.
           Over slightly rolling land.
  1.80 Cross road, bears N.and S. 11.62 Fence brs. N.and S.
  40.00 I destroy all traces of the old \( \frac{1}{4} \) sec.cor., and reestablish it in the same place as follows:
           Set a quartzite stone 20x8x6 ins., 16 ins. in the ground, for \( \frac{1}{4} \) sec.cor. on N.bdy.of sec.1, marked \( \frac{1}{4} \) on N.; dig pits \( 18x18x12 \) ins., E. and 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
  Thence N.89°56'W., from \(\frac{1}{4}\) sec.cor.

40.45 Set a quartzite stone, 18x8x6 ins., 14 ins. in the ground for \(\frac{1}{4}\) sec.cor. on S.bdy. of sec.36, marked \(\frac{1}{2}\) on N. face; dig pits 18x18x12 ins. E.and 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.
   79.28 Fence brs.NW.and SE.
  80.00 I destroy all traces of the old sec.cor., and reestablish it in the same place as follows:
           Set a quartzite stone 18x10x8 ins., 14 ins. in the ground for the cor. of secs. 1 and 2, marked with 1 notch on E. and 5 notches on W. faces; dig pits, 18x18x12 ins.,
                 in each sec. 5 ft. dist., and raise a mound of earth
  4 ft.base, 2 ft. high, S. of cor.
Thence N.89°42'W., continuing measurement.
80.45 Set a quartzite stone 18x8x8 ins., 14 ins. in the ground
                for the cor. of secs. 35 and 36, marked with 1 notch
                 on E. and 5 notches on W.faces; 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, N.of cor. Land, slightly rolling.
            Soil, sandy loam over 2 ft. deep; dry, medium texture, 1st
                 rate.
            No timber.
            No undergrowth.
            N.89°42.W. on S.bdy.of sec. 35.
Over slightly rolling land.
  39.55 I destroy all traces of the old \frac{1}{4} sec.cor., and reestab-
                 lish it in the same place as follows:
            Set a porphyry stone 18x6x5 ins., 14 ins. in the ground
                 for \frac{1}{4} sec.cor. on N.bdy.of sec.2, marked with \frac{1}{4} on N.
                 face; dig pits 18x18x12 ins. E.and 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. Thence S.89°59'W., from $\frac{1}{4}$ sec.cor.

40.00 Set a parphyry stone 18x6x5 ins., 14 ins. in the ground for $\frac{1}{4}$ sec.cor. on S.bdy. of sec.35, marked $\frac{1}{4}$ on N.face; dig pits 18x18x12 ins., E.and 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.

79.55 I destroy all traces of the old sec.cor., and reestablish it in the same place as follows:

Set a porphyry stone 20x6x5 ins., 16 ins. in the ground for the cor of secs. 2 and 3, marked with 2 notches on the E. and 4 notches on W faces; dig pits 18x18x12

ins. in each sec.5½ ft.dist., and raise a mound of earth 4 ft. base, 2 ft. high S.of cor.

Thence S.89°59'W., continuing measurement.

Set a porphyry stone 20x8x6 ins., 16 ins. in the ground, for the cor.of secs.34 and 35, marked with 2 notches on E. and 4 notches on W.faces; 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, N.of cor.

Land, slightly rolling.

Soil, sandy loam over 2 ft. deep; dry, medium texture; lst rate.

No timber.

No undergrowth.

S.89959'W. on S.bdy. of sec.34.

Over slightly rolling land.

I destroy all traces of the old \$\frac{1}{4}\$ sec.cor., and reestablish it in the same place as follows:

Set a porphyry stone 18x6x5 ins., 14 ins. in the ground for \$\frac{1}{4}\$ sec.cor. on N.bdy.of sec.3, marked \$\frac{1}{4}\$ on N.face; dig pits 18x18x12 ins., E.and 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.

Thence N.89°52'W., from \(\frac{1}{4} \) sec.cor. in lane.

40.00 Set a porphyry stone 18x6x5 ins., 14 ins., in the ground, for \(\frac{1}{4} \) sec.cor. on S.bdy.of sec.34, marked \(\frac{1}{4} \) on N face; fig pits 18x18x12 ins. E. and 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.

50.83 SE.cor.of frame house, bears N.6°50'W.

79.33 Cross road, bears N.and S.
79.63 I destroy all traces of the old sec.cor., and reestablish it in the same place as follows:

Set a porphyry stone 18x6x5 ins., 14 ins. in the ground for cor.of secs.3 and 4, marked with 3 notches on E. and 3 notches on W.faces; dig pits 18x18x12 ins. in each sec.5½ ft; dist., and raise a mound of earth 4 ft.base, 2 ft. high, S.of cor.

Thence N.89°52'W., continuing measurement.

80.00 Set a porphyry stone 18x6x5 ins., 14 ins. in the ground, for cor.of secs.33 and 34, marked with 3 notches on E. and 3 notches on W.faces; 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, N.of cor,

Land, slightly rolling. Soil, sandy loam, over 2 ft. deep; dry, medium texture, lst rate.

No timber.

N.89°52'W. on S.bdy.of sec.33.

Over slightly rolling land. From this SE. cor. of frame house, bears N.59°55'E.

27.44 NE. cor.of frame house bears S,69°03'E. SE.cor.of frame house bears N.83°15'W.

39.59 I destroy all traces of the old 4 sec.cor., and reestablish it in the same place as follows:

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Retracement of the S.bdy.of Township 18 S. Range 26 East.
Chains.
              Set a porphyry stone 18x6x6 ins., 14 ins. in the ground, for \( \frac{1}{4} \) sec.cor. on N.bdy.of sec.4, marked \( \frac{1}{4} \) on N.face; dig pits 18x18x12 ins. E.and V.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.
              Thence N.89°54' W. from 4 sec.cor.
              Set a porphyry stone 18x8x6 ins., 13 ins. in the ground, for \(\frac{1}{4}\) sec.cor. on S.bdy.sec.33, marked \(\frac{1}{4}\) on N.face; dig pits 18x18x12 ins. E.and W.of cor. 3 ft. dist.,
.40.00
                    and raise a mound of earth 3 ft.base, 12 ft. high, N.
              of cor. NE.cor.of frame house, bears S.79°09'E. SE. cor.of frame house bears N. 84° 15'E.
 52.00
              I destroy all traces of the old sec.cor., and reestablish it in the same place as follows.
  79.67
              Set a porphyry stone 18x8x6 ins., 14 ins. in the ground for cor.of secs.4 and 5, marked with 4 notches on E.
               and 2 notches on W.faces; dig pits 18x18x12 ins. in each sec.5½ ft. dist., and raise a mound of earth 4 ft. base. 2 ft. high S.of cor. Thence I run, S.89°56'W. Set a porphyry stone 18x8x8 ins., 14 ins. in the ground for cor.of secs.32 and 33, marked with 4 notches on E. and 2 notches on W.faces; dig pits 18x18x12 ins. in
 80.00
                    each sec. 5\frac{1}{2} ft. dist., and raise a mound of earth 4 ft.base, 2 ft. high, N.of cor.
              Land, slightly rolling.
              Soil, sandy loam over 2 ft. deep; dry, medium texture,
                    lst rate.
              No timber.
               8.89°56'W.:on S.bdy.of sec.32.
               Over level land.
              I destroy all traces of the old \frac{1}{4} sec.cor., and reestablish it in the same place as follows:
              Set a porphyry stone 20x8x5 ins., 16 ins. in the ground for the \(\frac{1}{4}\) sec.cor. on the N.bdy.of sec.5, marked \(\frac{1}{4}\) on N.face; dig pits 18x18x12 ins. E.and 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.
              Leave lane which bears off NW.
               Thence S.89°57'W. from \(\frac{1}{4}\) sec.cor.
  40.00 Set a porphyry stone 18x6x5 in., 14 ins. in the ground
                    for \frac{1}{4} sec.cor., on S.bdy.of sec.32, marked \frac{1}{4} on N. face; dig pits 18x18x12 ins. E.and 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.
  78.91
               I destroy all traces of the old cor. of secs., and reestab-
                    lish it in the same place as follows:
               Set a porphyry stone 20x8x6 ins. 16 ins. in the ground for the cor. of secs. 5 and 6, marked with 5 notches
                     on E. and 1 notch on W.faces; dig pits 18x18x12 ins.
              in each sec.5½ ft. dist., and raise a mound of earth 4 ft.base, 2 ft. high, S. of cor.

Thence N. 89°34'W., continuing measurement.
             Set a porphyry stone, 18x6x5 ins., 14 ins., in the ground
 .80.00
                    for the cor. of secs. 31 and 32, marked with 5 notches on E. and 1 notch on W.faces; dig pits 18x18x12 insin each sec. 5½ ft. dist., and raise a mound of earth 4 ft.base, 2 ft. high, N.of cor.
               Land, level.
               Soil, sandy loam, over 2 ft. deep; dry, medium texture,
                     1st rate.
               No timber.
               N.89°34'W. pn S.bdy.of sec. 31.
               Over level land.
               Cross road, bears NE.and SW.
    1.20
  11.05
               Cross road, brs. NW. and SE.
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BOOK 2328
      Retracement of South bdy. Township 18 South, Range 26 East.
                                                                                                                                        208
  38.86 I destroy all traces of the old \frac{1}{4} sec.cor., and reestablish it in the same place as follows:
              Set a porphyry stone 18x6x6 ins., 14 ins. in the ground, for the \frac{1}{4} sec.cor. on the N.bdy.of sec.6, marked \frac{1}{4} on N.face; dig pits 18x18x12 ins. E.and 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.
               Thence S. 89°50'W., from \frac{1}{4} sec.cor.
40.00 Set a porphyry stone 18x8x6 ins., 14 ins. in the ground for \( \frac{1}{4} \) sec.cor., on the S.bdy.of sec.3I, marked \( \frac{1}{4} \) on N.f face; dig pits 18x18x12 ins. E.and W.of cor. 3 ft. dist., and raise a mound of earth \( 3\frac{1}{2} \) ft. base, \( 1\frac{1}{2} \) ft. high,
  78.82 The cor. of Tps.18 and 19 S., Rs.25 and 26 E., a stake in
                  a mound of earth, witnessed as described by the Sur-
                  veyor General.
              Land, level.
              Soil, sandy loam over 2 ft. deep; dry, medium texture; lst rate.
              No timber.
                                                                                         August 7, 1911.
                                                                                                    ohn 4) Hease
                                                                                                    U. S. Transitman.
                Retracement of the West bdy.of Township 18 S., R.26 E.
              August 8: I begin at the cor.of Ts.17 and 18 S., Rs.25 and 26 E., a granite rock marked and witnessed as described by the Surveyor General.
              Thence I run,
 South, bet. secs. 1 and 6.
Over rolling land, through dense brush.
39.96 Fall 3 lks.E.of old 4 sec.cor. which is nearly destroyed.
              I destroy old cor, and reestablish it in the same place
                  as follows:
              Set a granite rock 18x6x5 ins, 12 ins. in the ground for \frac{1}{4} sec.cor, marked \frac{1}{4} on W.face; dig pits 18x18x12 ins. N.and S.of 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. The course of this \frac{1}{2} mile is S.0°03'W., 39.96 chs.
              Thence I run,
              South from \frac{1}{4} sec.cor.
  34.85 Top of ridge, brs. NW.and SE.
40.16 Fall 3 lks. E. of old cor. of secs 1,6,7 and 12, which is nearly destroyed. I destroy old cor., and reestablish it in the same place as follows:
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Set a limestone 18x6x6 ins., 12 ins. in the ground, marked with 1 notch on N. and 5 notches on S.faces; dig pits 18x18x12 ins. in each sec.5 $\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. The course of this half mile is S.0°03' W., 40.16 chs. Land, rolling and hilly. Soil, coarse gravel and rocks; dry, 3rd rate. No timber. Undergrowth, greasewood, mesquite and oak brush.

South, bet. secs. 7 and 12. Over level land.

40.00 Fall 12 lks.E.of the old $\frac{1}{4}$ sec.cor., bet. secs.7 and 12, which is nearly destroyed. I destroy old cor., and reestablish it in the same place as follows: Set a granite stone 18x8x6 ins., 12 ins. in the ground, marked $\frac{1}{4}$ on W.face; dig pits 18x18x12 ins. N.and S.of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.

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. Retracement of West bdy. of Township 18 South, Range 26 E.
Chains.
              base, light. high, W.of cor.
          The course of this half mile is S.0010'W., 40.00 chs.
         Thence I run, South, from 4 sec.cor.
         Fall 13 lks.E.of the old cor. of secs. 7,12,13 and 18, which is nearly destroyed. I destroy old cor., and reestablish it in the same place as follows:
39.95
         Set a granite stone 18x8x8 ins., 12 ins. in the ground,
             marked with 2 notches on N. and 4 notches on S.faces;
              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
         The course of this half mile is S.O'll'W., 39.95 chs.
         Land, level.
                          loam over 2 ft. deep; dry, medium texture;
          Soil, sandy
              1st rate.
         No undergrowth. No timber.
          South, bet. secs. 13 and 18.
          Ascending gentle slope.
          Top of low ridge, brs.E.and W. Descend.
16.67
          Over level land. Fall 30 lks.E.of old \frac{1}{4} sec.cor. bet. secs.13 and 18, which
21.60
40.12
              is nearly destroyed. I destroy old cor., and reestab-
              lish it in the same place as follows:
          Set a granite stone 20x6x4 ins., 16 ins. in the ground, marked \frac{1}{4} on W.face; dig pits 18x18x12 ins. N.and 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.
          The course of this half mile is S.0°26' W., 40.12 chs.
Thence I run,
South, from $\frac{1}{4}$ sec.cor.

4.66 Cross road, brs. NW.and SE.

40.10 Fall 7 lks.E.of old cor.of secs. 13,18,19 and 24, which is nearly destroyed. I destroy old cor., and reestablish it in the same place as follows:
          Set a granite stone 18x8x8 ins., 14 ins. in the ground,
              marked with 3 notches on N. and 3 notches on S.faces;
              dig pits 18x18x12 ins. in each sec.52 ft. dist., and
              raise a mound of earth 4 ft. base, 2 ft. high, W.of
          The course of this half mile is S.0006'W., 40.10 chs.
          Land, level and hilly.
          Soil, sandy loam over 2 ft . deep, dry, medium texture;
              1st rate.
          No timber.
          No undergrowth.
          Oct.8: At this cor. I set off 16°19' N. on the decl.arc, and observe the sun on the meridian at noon; the re-
               sulting late is 31° 5l\frac{1}{2}'N.
          South, bet. secs.19 and 24.
          Over level land.
          Fall 12 lks.E.of old \(\frac{1}{4}\) sec.cor., bet. secs.19 and 24, which is nearly destroyed. I destroy old cor., and reestablish it in the same place as follows:
 39.94
          Set a granite stone 18x6x5 ins., 12 ins. in the ground, marked \(\frac{1}{4}\) on W.face; fig pits 18x18x12 ins., N. and 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-
           The course of this half mile is S.0°10'W., 39.94 chs.
           Thence I run, South, from & sec.cor.
 40.12 Fall 13 lks.E.of old cor. of secs.19,24,25 and 30, which
              is nearly destroyed. I destroy old cor., and reestab-
               lish it in the same place as follows:
```

Chains.

Set a granite stone 20x8x6 ins., 16 ins. in the ground, marked with 4 notches on N. and 2 notches on S.faces; 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 cor. The course of this half mile is S.O'll'W., 40.12 chs. Land, level. Soil, sandy loam over 2 ft. deep; dry, medium texture, 1st rate. No timber.

39.94

South, bet. secs.25 and 30.

Over level land.

Fall 18 lks.E.of old \(\frac{1}{4}\) sec.cor., bet. secs. 25 and 30, which is nearly destroyed. I destroy old cor., and reestablish it in the same place as follows:

Set a granite stone, 18x8x6 ins., 14 ins. in the ground, marked \(\frac{1}{4}\) on W.face; dig pits 18x18x12 ins., N.and 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.

The course of this half mile is S.0°15'W., 39.94 chs.

Thence I run, South from \(\frac{1}{4} \) sec.cor. 24.73

No undergrowth.

Cross road, brs. NW.and SE. Cross road, brs. NW.and SE. 38.11

Fall 13 lks.E. of cor. of secs. 25,30, 31 and 36, as described by the Surveyor General. 40.03

The course of this $\frac{1}{2}$ mile is S.0° 11'W.,40.03 chs.

Land, level.

Soil, sandy loam over 2 ft. deep; dry, medium texture; lst rate.

No timber.

No undergrowth.

South, bet. secs.31 and 36.

Over level land.

Fall 10 lks.E.of \(\frac{1}{4} \) sec.cor., bet. secs.31 and 36, as described by the Surveyor General.

The course of this half mile is S.0.09 W., 40.02 chs. 40.02

40.09

Thence I run, South, from 4 sec.cor. Fall 2 lks.E.of the cor.of Ts. 18 and 19 S., Rs.25 and 26

E., as described by the Surveyor General.

The course of this half mile is S.0°02' W., 40.09 chs.

Land, level. Soil, sandy loam, over 2 ft. deep; dry, medium texture; lst rate.

No timber. No undergrowth.

August 8, 1911.

Affred M. Phins U. S. Transitman.

Subdivision of Township 18 South, Range 26

Chains.

Survey commenced August 7, 1911, and executed with an A.Lietz Co.light mountain transit, No. 5631, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined and approved by the Supervis-

ing Surveyor.

I examine the adjustments of the transit, and find them correct; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian deter-

mined by observations on Polaris, I proceed as follows: At the cor. of Tps.19 and 20 S., Rs. 25 and 26 E., latitude, 31°43'47"N.; longitude, 109°45'29" W., I set off 31°44' N. on the lat. arc; 16°33½'N. on the decl. arc, and at 5h.00m.p.m.,1.m.t., determine with the solar a meridian, and mark a point thereof, on a stone firmly set in the ground 5 chs. N.of the corner.

At 10h.29m.,p.m.,by my watch, which has correct 1.m.t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N.of my station.

August 7, 1911.

of Polaris, 1°23' to the west, and mark the meridian thus determined, by a cutting a small groove in the stone set August 7, on which the meridian coincides August 8:

with the mark determined by the solar, At 7h.00m., a.m., l.m.t., I set off 31°44' N. on the lat. arc; 16°23½'N. on the decl.arc, and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N.of my station; this mark coincides with the meridian established by the Polaris observation.

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

The magnetic bearing of the true meridian, at 7h.15m.a.m. is N.13° 15'W.; the angle thus determined gives the mag, decl. 13°15'E.

I commence at the cor.of secs. 35 and 36 on the S.bdy.of Tp.185. R.26 E. heretofore described.

Thence I run,

North, bet. secs. 35 and 36, on sectional Guide Meridian, and at 80.46 chs. intersect line bet. secs.25 and 36, I return to the cor. of secs. 35 and 36.

Thence I run, North, bet. secs.35 and 36, on sectional guide meridian. Over level land.

1.25 40.46

Cross road, bears NW and SE. 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 35 on W. and S 36 on 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, $1\frac{1}{2}$ ft: high, W.of cor.

Cross fence, bears NNW and SSE. Gross road, bears NE. and SW. Cross fence, bears R. and W. Set an iron post 3 ft. long, 2 ins.diam., 24 ins. in the ground for cor.of secs. 25,26,35 and 36, marked on brass cap,

T 18 $S^{-}R$ 26 E in N.half;

S 26 in NW.,

S 25 in NE.,

S 36 in SE., and S 35 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 cor.

Land, le vel. Soil, sandy loam over 2 ft. deep; dry, medium texture. No timber.

From the cor. of secs. 25 and 36 on the E.bdy., I run, West, bet. secs. 25 and 36.

Intersect cor. of secs. 25,26,35 and 36. I return to the cor. of secs. 25 and 36 on the East bdy. of the Tp. Thence I run, 78.96

West, bet. secs.25 and 26, on sectional correction line. Over level land.

1.55

Cross road, bears NW. and SE.

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 25 in N. and S 36 in S.half; dig pits \(\frac{1}{2} \) and \(\frac{1}{2} \) ins. E. 38.96 and W. of cor., 3 ft. dist., and raise a mound of earth 32 ft. base, 12 ft. high, N. of cor.

Cross road, brs.NE. and SW. Cross road, brs. NE. and SW. Cross road, bears NE. and SW. The cor of secs 25 26 35 and 49.20 53.00 55.60 The cor. of secs. 25, 26, 35 and 36. 78.96

Land, level. Soil, sandy loam over 2 ft. deep, lst rate; dry, medium texture.

No timber.

North, bet. secs.25 and 26, on sectional guide meridian. Over rolling land.

bears, \mathbb{E} and \mathbb{W} . 15.22 Cross fence,

Ascend steep rocky hill. Top of hill; descend. 26.00

30.00

35.00 Over level land.

Fence brs. E.and W. 37.40 Cross road, bears NW and SE. 38.05

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for \(\frac{1}{4}\) sec.for., marked on brass cap, \(\frac{1}{4}\) S 26 in W., and S 25 in E.half; adding pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of 40.00

sarth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W.of cor. Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor.of secs. 23,24,25 and 26, marked on 80.00 brass cap, T 18 S R 26 E in N.half,

S 23 in NW.,

S 24 in NE.,

S 25 in SE., and S 26 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, la ft. high, W. of cor.

Land, level and hilly. Soil, sandy loam over 2 ft. deep; dry, medium texture, lst rate, except 9.10 chs., over hill, which is covered with loose volcanic rock and worthless.

North, bet. secs.23 and 24, on sectional guide meridian. Over rolling land.

Cross road, bears NW.and SE. Cross road, bears NE.and SW. 10.36 17.45

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Subdivision of Township 18 South, Range 26 East
Chains.
          Cross road, bears NW.and SE.,
Set an iron post 3 ft. long, 1 in. in diam., 26 ins.
 19.88
 40.00
               in the ground for \frac{1}{4} sec.cor., marked on brass cap,
               \frac{1}{4} S 23 in W. and S 24 on, 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, 1\frac{1}{2} ft. high, W. of cor.
          Ascend steep rocky S.slope. Ridge, bears NW.and SE.; descend.
 54.25
 59.60
 64.75
           Over level land.
          Cross road, bears NE.and SW.
Cross road, bears NW.and SE.
Set an iron post 3 ft. long, 2 ins. diam., 24 ins, in
 70.64
 72.85
 00.08
               the ground for cor.of secs. 13,,14, 23 and 24, marked
               on brass cap,
                 T 18 S R 26 E in N.Malf;
S 14 in NW.,
                 S 13 in NE.,
               S 24 in SE., and S 23 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 cor.
          Land, level and mountainous.
           Soil, sandy loam, over, 2 ft. deep; dry, medium texture;
               lst rate, except 10.50 chs. over mountain, which is rocky and worthless.
           No timber.
           August 8: At this cor. I set off 16°19'N. on the decl.
               arc; and observe the sun on the meridian at noon; the
               resulting lat. is 31° 51½'N.
           North, bet. secs. 13 and 14 on sectional guide meridian.
           Over rolling land, ascending.
Ascend steep rocky SW. slope of hill.
Top of ridge, bears NW.and SE., descend.
Set an iron post 3 ft. long, lin. in diam., 26 ins. in
  6.00
 28.35
 40.00
               the ground for \frac{1}{4} sec.cor., marked on brass cap, \frac{1}{4} S 14 on W. and S 13 on E.half; erect mound of stone 2
           ft.base, l\frac{1}{2} ft. high, W.of cor. Pits impracticable. Over level land.
 44.00
           Cross road, bears NW.and SE.
  71.62
  72.45
           Fence bears NW. and SE.
           Fence bears E.and W.
  78.80
           Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in
 00.08
               the ground for cor of secs. 11,12,13 and 14, marked
               on brass cap,
                  T 18 S R \overline{26} E in N.half;
                  S 11 in NW.,
S 12 in NE.,
                  S 13 in SE., and
                  S 14 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, 1\frac{1}{2} ft. high, W. of cor.

Land, level and hilly.
           Soil, sandy loam over 2 ft. deep; dry, medium texture,
               1st rate, except 38.60 chs. over hill, which is
               covered with loose rock, and is worthless.
           No timber.
           North bet. secs.11 and 12, on sectional guide meridian.
           Over slightly rolling land.
          Cross road, bears NE.and SW.
C.M.Watkin's house, adobe, NE.cor. bears S.50°45'W.
 20.00
 34.22
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Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in

40.00

rate.

S 32 in SE., and

S 31 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, $1\frac{1}{2}$ ft. high, W.of cor.

Land, slightly rolling.

```
Subdivision of Township 18 South. Range 26 East.
                Chains
                             Soil, sandy loam, over 2 ft. deep; dry, medium texture; lst rate.
800H 1398
                            No timber.
                            West, bet. secs. 30 and 31, on a random line. Set temp. ½ sec.cor. Intersect W.bdy.of Tp., 9 lks.S.of cor. of secs. 25,30,31
                40.00
                78.84
                                 and 36.
                             Thence I run,
                             S.89°56'E., bet. secs.30 and 31, on a true line.
                             Land, slightly rolling.
                            Cross road, brs. NW.and SE.

Cross road, brs. NW.and SE.

Cross road, brs. NE.and SW.

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 30
in N. and S 31 in S.half; dig pits 18x18x12 ins.E.and
                    .94
                  6.04
                  9.44
                38.84
                             W. of post, 4 ft. dist., and raise a mound of earth 3\frac{1}{2} base, 1\frac{1}{2} ft. high, N. of cor. Soil sandy loam over The cor. of secs .29,30,31 and 32. 2 ft. deep, dry, medium texture, 1st rate. No timber. August 9, 1911.
                 78.84
                                                                                                 John J. Kesse
                                                                                                      U.S.Transitman.
                             August 9:
                             East, on a random line, bet. secs.24 and 25.
                             Set temp. 4 sec.cor.
Intersect E.bdy.of township 5 lks.N.of cor.of secs.19,24,
25 and 30.
                40.00
                 79.35
                             Thence I run,
                             N.89°58'W., on a true line, bet. secs.24 and 25.
                             Over rolling land, ascending.

Rocky ridge, brs. NW. and SE.; descend.

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 24 in N. and S 25 in S.half; dig pits l8xl8xl2 ins. E. and W. of cor. 3 ft. dist., and raise a mound of earth \( 3\frac{1}{2} \) base, \( 1\frac{1}{2} \) ft. high, N. of cor.
                25 .71
                39.35
                             Over level land.
                 62.68
                             Cross road, bears NE and SW.
                 77.63
                             The cor.of secs.23,24,25 and 26.
                 79.35
                             Land, level and hilly.
Soil, rocky and worthless, 4th rate, except 16.67 chs.,
                                   which is sandy loam, over 2 ft. deep; dry, medium tex-
                                   ture, 1st rate.
                             No timber.
                                                                                         August 9, 1911.
                              August 10.
                              East, on a random line, bet. secs.13 and 24.
                              Set temp. \(\frac{1}{4}\) sec, cor.

Intersect \(\text{E.bdy.of Tp.11 lks.S.of cor.of secs.13,18,19}\)
                 40.00
                  79.36
                                  and 24.
                              Thence I run,
                              S.89.55 W., on a true line, bet. secs.13 and 24.
                              Over level land.
                             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 l3 in N. and S 24 in S.half; dig pits 18x18x12 ins.

E.and W.of cor. 3 ft. dist., and raise a mound of
                 39.36
                                    earth 3\frac{1}{2} ft. base, 1\frac{1}{2} ft. high, N.of cor.
                              Fence, brs N and S.
                 40.59
                              The corof secs .13,14,23 and 24.
                  79.36
                              Land, level .
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Soil, sandy loam, over 2 ft.deep; dry, medium texture, 1st

2.16

the second of th

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BOOK 2328
Subdivision of Township 18 Nouth, Range 26 East.
Chains
           N.0°01'W., bet. secs. 26 and 27. Over level land.
           Cross road, bears NE.and SW.
37.72
           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 26 in E.and \( \frac{1}{4} \) S 27 in W.half; dig pits 18x18x12 ins. N. and S.of cor. 3 ft. dist., and raise a mound of earth
40.00
           3½ ft. base, ½ ft. high, W.of cor.
Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor.of secs. 22,23,26 and 27, marked on
80.00
                brass cap,
                   T 18 S R 26 E in N.half;
                   S 22 in NW.,
S 23 in NE.,
                   S 26 in SE., and
                   S 27 in SW. quadrant; dig pits 18x18x12 ins. in
                each sec. 5\frac{1}{2} ft. dist., and raise a mound of earth 4\frac{1}{2} ft.base, 1\frac{1}{2} ft. high, W.of cor.
            Soil, sandy loam, over 2 ft. deep; dry, medium texture;
                1st rate.
            No timber.
           Fast, on a random line, bet. secs.23 and 26. Set temp. 4 sc.cor. Intersect N. and S. line 7 lks.S. of cor. of secs.23,24,25
 40.00
 80.09
                and 26.
            Thence I run,
            3.89°57'W. on a true line,
                                                    bet. secs.23 and 26.
            Over rolling land, ascending.
            Foot of ridge.
  9.68
            Drain, 8 lks.wide, course SE.
 28.44
            Top of ridge, bears N. and S.; descend.
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 36.29
 40.04
                the ground for \frac{1}{4} sec.cor., marked on brass cap \frac{1}{4} S 23 in N. and S 26 in S.half; dig pits 18x18x12
                                                                                              ins.
                E.and W.of cor. 3 ft. dist., andraise a mound of earth 3\frac{1}{2} ft. base, 1\frac{1}{2} ft. high, N.of cor.
 43.73
            Over level land .
            The cor.of secs. 22,23,26 and 27.
 80.09
            Land, level and hilly.
            Soil, sandy loam, over 2 ft. deep; dry, medium texture; lst rate, except 33.95 chs., which is wooky and worthless
                 4th rate.
            No timber.
            August 9: At this cor. I set off 16°02' N.on the declarc; and observe the sun on the meridian at noon; the
                 resulting lat. is 31° 50\frac{1}{2} N.
           N.0°01' W., bet. secs.22 and 23. Over level land.
           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, \( \frac{1}{4} \) Sec. 22 in W. and S 23 in E.half; dig pits 18x18x12 ins.
 40.00
                 N.and 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.
            Foot of rocky ridge.
Top of ridge, brs.NW.and SE.
 41.00
 56.67
 74.70
            Foot of ridge, cross road, bears NW.and SE.
                                                                                  , 24 ins. in
            Set an iron post 3 ft. long, 2 ins. in diam.,
 80.00
                 the ground for cor of secs. 14,15,22 and 23, marked
                 on brass cap,
                    T 18 S R 26 E in N.half;
                    S 15 in NW.,
                    S 14 in NE:.,
                    S 23 in SE., and
                    S 22 in SW. quadrant; dig pits 18x18x12 ins. in
                 each sec. 5\frac{1}{2} ft. dist., and raise a mound of earth
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and 14.

Thence I run, S.89°59'W., on a true line, bet. secs.ll and 14. Over level land.

1.98 Fence, bears N. and 3.

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BOOK 2328
                    Subdivision of Township 18 South. Range 26 East
220
                      Fence bears N. and S. Fence bears N. and S.
            14.45
            39.84
                      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 ll in N., and S l4 in S. half; dig pits \( 18x\) 8xl2 ins. E.and \( \frac{1}{2} \), of cor. 3 ft. dist., and raise a mound
            39.95
                      of earth 3\frac{1}{2} ft. base, 1\frac{1}{2} ft. high, N, of cor. Cross road, bears NW. and SE. The cor. of secs. 10,11,14 and 15.
            58.44
            79.00
                      Land, level.
                       Soil, sandy loam, over 2 ft. deep; dry, medium texture.lst
                           rate.
                      No timber.
                                                                              August 10, 1911.
                      August 11: At 7h.00m., l.m.t., I set off 31^{\circ}52\frac{1}{2}'N.on the lat.arc; 15^{\circ}32'N. on the decl.arc, and determine a
                                                                     I set off 31^{\circ}52\frac{1}{2}'N.on the
                           meridian with the solar at the cor. of secs. 10, 11, 14
                      and 15. N.0^{\circ}Ol'W., bet. secs.10 and 11.
                      Descending.
             1.52
                      Foot of N.slope of hill.
                      Cross road, brs.NW.and SE.
Cross road, brs. NE.and SW.
Set an iron post 3 ft. long, l in. in diam., 26 ins. in
            23.20
            25.62
            40.00
                      80.00
                           om brass cap,
                              T 18 S R 26 E in N.half,
S 3 in NW.,
                              S 2 in NE.
                           S ll in SE., and S l0 in SW. quadrant; dig pits 18x18x12 ins. in each sec. 5\frac{1}{2} ft. dist., and raise a mound of earth 4\frac{1}{2}
                           ft.base, 1\frac{1}{2} ft. high, W.of cor.
                      Land, level.
                      Soil, sandy loam, over 2 ft. deep, dry, medium texture, lst rate, except 1.52 chs., which is rocky, 4th rate.
                      East, on a random line, bet. secs. 2 and 11.
                      Set temp. 4 sec.cor.
            40.00
            79.98
                      Intersect N. and S. line, 5 lks.S. of the cor. of secs.1,2,
                          11 and 12.
                       Thence I run,
                      S.89°58'W., on a true line, bet. secs. 2 and 11.
                      Over level land.
             0.31
                      Fence bears N.and S.
                      Set an iron post 3 ft. long, 1 in. in diam., 26 ins.in
           39.99
                           the ground for \frac{1}{4} sec.cor., marked on brass cap, \frac{1}{4} S 2 in N. and S ll in S.half; dig pits 18x18x12 ins.E.and 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. Fence brs.N.and S.
           78.21
                      The cor.of secs.2,3,10 and 11.
            79.98
                      Land, level.
                      Soil, sandy loam, over 2 ft. deep, dry, medium texture;
                           1st rate. No timber.
                      August 11: At this cor. I set off 15° 27'N. on the decl. arc; and observe the sun on the meridian at noon; the
                           resulting lat.is 31°53½'N.
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BOOK
                                                                                                                  232821
         Subdivision of Township 18 South. Range 26 East:
Chains
                                                                                                                BOOK 2328
            North, on a random line, bet. secs.2 and 3.
 40.00 Set temp. ½ sec.cor.
79.73 Intersect N.bdy.of Tp., 14 lks.E.of cor.of secs.2,3,34
                and 35.
            Thence I run,
             S.0°6'E. on a true line, bet. secs.2 and 3.
             Over level land.
 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 S 2 on E. and \( \frac{1}{4} \) S 3 in W.half; dig pits 18x18x12 ins. N.and 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.

79.73 The cor.of secs.2,3,10 and ll.
             Land, level.
             Soil, sandy loam, over 2 ft. deep; dry, medium texture;
                1st rate.
            No timber.
                                                                             April 11,1911.
            August 10: At 7h.00m.a.m., l.m.t., I set off 31°50'N.on the lat.arc; 15°49½'N. on the decl.arc, and determine a meridian with the solar at the cor. of secs. 27,28,33
                and 34.
             Thence I run,
             South, on a random line, bet. secs.33 and 34.
  40.00 Set temp. 1 sec.cor.
  80.14 Intersect S.bdy.of Tp., 7 lks.E.of cor.of secs.3,4,33 and
                 34.
            Thence I run, N.0003' E., bet. secs. 33 and 34, on a true line. Over level land.
  39.77 Lateral bears NE. and SW.
 40.14 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 33 on W. and S 34 on E.half; dig pits 18x18x12 ins. II. and
  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.

70.14 Cross fence brs. NE.and SW.
  79.54 Cross fence brs. E.and W.
  80.14 The cor.of secs.27,28,33 and 34.
             Land, level.
                                     loam over 2,ft. deep; dry, 1st rate, medium
             Soil, samdy texture.
             No timber.
             N.0°01'W., bet. secs.27 and 28. Over level land.
 40.00 Set an iron post, 3 ft, long, l in. in diam., 26 ins. in the ground for the \(\frac{1}{4}\) sec.cor., marked on brass cap, \(\frac{1}{4}\) S 28 on W. and S 27 on E.half; dig pits 18x18x12 ins. E.and W.of post 3 ft. dist., and raise a mound of earth \(\frac{3}{2}\) ft. base, \(\frac{1}{2}\) ft. high, W.of cor.
  78.00 Cross road, brs. NW. and SE.
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 and 28, marked on
                 brass cap,
T 18 S R 26 in N.half;
S 21 in NW.,
                          S 22 in NE.,
                          S 27 in SE., and
```

S 28 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, $1\frac{1}{2}$ ft. high, W. of cor.

Soil, sandy loam, over 2 ft. deep; dry, medium texture;

No timber.

Land, level.

1st rate.

```
Chains
          East, on a random line, bet. secs. 22 and 27.
 40.00 Set temp. \frac{1}{4} sec.cor. 79.98 Intersect N.and S. line 5 lks.S.of cor. of secs. 22,23,
              26 and 27.
           Thence I run,
           S.89°58'W., bet. secs. 22 and 27, on a true line.
 Over slightly rolling land.
39.99 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 22 in N., and S 27 in S, half; dig pits 18x18x

12 ins. E.and W.of post, 3 ft. dist., and raise a
mound of earth 3\(\frac{1}{2}\) ft. base, 1\(\frac{1}{2}\) ft. high, N.of cor.

59.98 Enter road, which approaches from the SE.

78.98 Leave road.
  79.98 The cor.of secs. 21,22, 27 and 28.
           Land, level.
           Soil, sandy loam, over 2 ft. deep, dry, medium texture;
                1st rate.
           No timber.
                                                                       Afrid M. Oliss
U. S. Transitman.
           August 10: At this cor. I set off 15°45' N. on the decl.
                arc, and observe the sun on the meridian at noon; the
                resulting lat. is 31^{\circ}50\frac{1}{2} N.
           N.0°Ol'W., bet. secs. 21 and 22.
 2.81 Frame house bears S.78°32'W., 249 lks.dist.

40.00 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, \(\frac{1}{4}\) Set in W. and S 22 in E.half; dig pits 18x18x12 ins. ins. N.and S.of post 3 ft. dist., and raise a mound of earth 3\(\frac{1}{2}\) ft. base, \(\frac{1}{2}\) ft. high, W.of cor.

49.77 Fence brs. E.and W.
           Over slightly rolling land.
  60.90 Cross road, bears E. 70.50 Fence brs. E. and W.
  80.00 Set an iron post 3 ft. long, 2 ins.diam., 24 ins. in the ground for the cor.of secs.15,16,21 and 22, marked
                on brass cap,
T 18 S R 26 E in N.half,
S 16 in NW.,
S 15 in NE.,
                    S 22 in SE., and
                   S 21 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, l^{\frac{1}{2}} ft. high, W. of cor.
           Land, slightly rolling.
           Soil, sandy loam, over 2 ft. deep; dry, medium texture; lst and 2nd rate.
           No timber.
           East, on a random line, bet. secs.15 and 22.
  40.00 Set temp. \frac{1}{4} sec.cor.
  79.96 Intersect N. and S.line 3 lks.S. of cor. of secs. 14,15,
                22 and 23.
            Thence I run,
            S.89°59'W., bet. secs.15 and 22, on a true line.
  Over rolling land.
13.26 Cross road; bears NW.and SE.
  33.86 Foot of small rocky hill.
  36.86 Top of ridge.
  39.36 Over level ground.
  39.98 Set an iron post 3 ft. long, l in. in diam., 26 ins. in
                the ground for the \frac{1}{4} sec.cor., marked on brass cap,
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Subdivision of Township 18 South, Range 26 East

222

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Chains
               \frac{1}{4} S 15 in N. and S 22 in S.half; dig pits 18x18x 12 ins.E.and W.of post 3 ft. dist., and raise a mound of earth 3\frac{1}{2} ft. base, 1\frac{1}{2} ft. high, N.of cor.
            Cross road, bears N.and S.
Cross road, brs. NE.and SW.
The cor.of secs.15,16,21 and 22.
NE.cor.Stevens' house (frame) bears S.15° 03'E.
 65.98
 72.03
 79.96
            Land, level and hilly.
            Soil, sandy loam, over 2 ft. deep; dry, medium texture;
               lst rate, except 5.50 chs., which is covered with loose rock, and worthless.
            No timber.
                                                                   August 10, 1911.
           August 11: At 7h. 00m., a.m., l.m.t., I set off 31°5\frac{1}{2}N. on the lat.arc; 15°32'N. on the decl.arc, and determine a meridian with the solar at the cor.of secs.15,16,21
               and 22.
            N.0001' W., bet. secs. 15 and 16. Over level land.
  9.85
            Cross road, bears E.and W.
            Set an iron post 3 ft. lomg, 1 in. diam., 26 ins. in the ground for the \frac{1}{4} sec.cor., marked on brass cap S 15 in
 40.00
               E. and \frac{1}{4} S 16 in W.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, 1\frac{1}{2} ft. high, W.of cor.
            Cross road, bears NE.and SW.
Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for the cor.of secs.9,10, 15 and 16, marked
 65.55
 80.00
               on brass cap,
                       T 18 S R 26 E in N.half;
                       S 9 in NW.,
                       S 10 in NE.,
                       S 15 in SE., and
S 16 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, l2 ft. high, W.of cor.
            Land, level.
            Soil, sandy lst rate.
                                loam over 2 ft deep; dry, medium texture,
            No timber.
            East, on a random line, bet. secs.10 and 15.
            Set temp. \(\frac{1}{4}\) sec.cor.
 40.00
            Intersect N. and S. line at cor. of secs. 10, 11, 14 and 15.
 79.90
            Thence I run,
            West, on a true line, bet. secs.10 and 15. Over slightly rolling land.
            Skirt along edge of small sandy ridge.
  1.00
 22.00
            Over level ground.
            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 10 in N. and S 15 in S.half; dig pits 18x18x12 ins.E.and
 39.95
               W.of post 3 ft. dbst., and raise a mound of earth 3\frac{1}{2} ft.
               base, l\frac{1}{2} ft. high, N.of cor.
            Cross road, bearsNE and SW. Cross road, bears NW and SE. The cor of secs 9,10,15 and 16.
 48.70
 54.95
 79.90
            Land, slightly rolling.
Soil, sandy loam, over 2 ft. deep; dry, medium texture; lst rate.
            No timber.
            N.0001' W., bet. secs. 9 and 10.
            Over slightly rolling land.
           Set an iron post 3 ft. long, l in. in diam., 26 ins. in
 40.00
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Subdivision of Township 18 South
                                                          Range 26
Chains.
           62.85
 80.00
                brass cap,
                   T 18 S R 26 E in N.half;
                  S 4 in NW.,
S 3 in NE.
                   S 10 in SE., and
                  S 9 in SW. quadrant; dig pits 18x18x12 ins. in each
                sec. 5\frac{1}{2} ft. dist., and raise a mound of earth 4\frac{1}{2} ft. base, 1\frac{1}{2} ft. high, W.of cor.
           Land, slightly rolling.
           Soil, sandy loam, over 2 ft. deep, dry, medium texture;
                lst rate.
           No timber.
                ust ll: At this cor. I set off 15°27 (N. on the decl. arc; and observe the sun on the meridian at noon; the
           August 11:
                resulting lat. is 31°53½'N.
           East, on a random line, bet. secs.3 and 10. Set temp. 4 sec.cor.
40.00
 79.88
           Intersect N. and S. line 3 1ks. N. of cor. of secs. 2,3,10 and
                ll.
           Thence I run,
           N.89°59'W., on a true line, bet. secs.3 and 10.
           Over rolling land.
           Foot of rocky ridge, ascend. Top of ridge, descend.
26.28
 36.88
           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 in N. and S 10 in S.half; dig pits 18x18x12 ins.E. and 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.
 39.94
           Over level land.
The cor.of secs.3,4,9 and 10
Land, level and hilly.
 43.88
 79.88
           Soil, sandy loam, over 2 ft. deep; dry, medium texture,
                1st rate, except 16.65 chs., which is rocky and worth-
                less.
           No timber.
           North, bet. secs.3 and 4, on a random line. Set temp. \frac{1}{4} sec.cor. Intersect N.bdy. of Tp., 37 lks.E.of cor.of secs.3,4,33
 40.00
 79.82
               and 34.
           Thence I run,
           S.0°16'E., bet. secs.3 and 4, on a true line.
           Ascend N.slope of hill.
           Enter scattering brush.
  2.50
           Top of hill, descend.
 16.82
           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 3 in E. and \frac{1}{4} S 4 in W.half; dig pits 18x18x12 ins. N.and S.of post 3 ft. dist., and raise a mound of earth 3\frac{1}{2}
 39.82
                ft.base, l2 ft. high, W. of cor.
 54.52
           Cross road, bears NE.and SW.
 79.82
           The corof secs. 3, 4, 9 and 10.
           Land, hilly. Soil, rocky and worthless, 4th rate, except 26.00 chs.,
               which is sandy loam; dry, 2nd rate.
           No timber
                                                            August 11, 1911.
```

22 f

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Subdivision of Township 18 South. Range 26 East.
Chains
                                                                                                                 225
             August 12: At 7h.00m.,a.m.,l.m.t., I set off 31°50'N.on the lat.arc; 15°14'N. on the decl.arc, and determine a
                meridian with the solar at the cor. of secs. 28, 29, 32
                and 33.
             South on a random line, bet. secs. 32 and 33.
             Set temp. \frac{1}{4} sec.cor. Intersect S.bdy.of Tp., 5 mlks.E.of.cor.of secs.4,5,32 and
 40.00
 80.01
                33.
             Thence I run,
             N.0°02'E., on a true line, bet. secs.32 and 33. Over level land.
             Cross road, brs.E.and W.

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. 32 in
W., and S 33 in E. half; dig pits 18x18x12 ins. N. and
 39.86
 40.01
                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.
             The cor. of secs .28,29,32 and 33.
 10.08
             Land, level.
             Soil, sandy loam, over 2 ft. deep, dry, medium texture; lst rate.
             No timber.
             N.0002' W., bet. secs. 28 and 29.
             Over level land.

Cross road, brs. NE.and SW.

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 28 in E. and \( \frac{1}{4} \) S 29 in W.half; dig pits 18x18x12 ins.N.and 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.

Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor.of secs. 20,21,28 and 29, marked on brass cap.
 18.80
 40.00
 80.00
                 cap,
T 18 S R 26 E in N.half;
                         S 20 in NW.,
                         S 21 in NE.,
                         S 28 in SE., and
                         S 29 in SW. quadrant; dig pits 18x18x12 ins.in
                 each sec. 5\frac{1}{2} ft. dist., and raise a mound of earth 4\frac{1}{2} ft. base, 1\frac{1}{2} ft. high, W. of cor.
             Land, level.
             Soil, sandy loam, over 2 ft . deep; dry, medium texture; lst rate.
             No timber.
             East, on a random line, bet. secs.21 and 28.
             Set temp. \(\frac{1}{4}\) sec.cor.

Intersect N.and S. line, 3 lks.N.of cor. of secs.21,22,
  40.00
  80.02
                27 and 28.
              Thence I run,
             N.89°59'W., on a true line, bet. secs.21 and 28. Over level land.
            Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
  40.01
                the ground for \frac{1}{4} sec.cor., marked on brass cap, \frac{1}{4} S 21 in N. and S 28 in S.half; dig pits 18x18x12 ins.E. and 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.
             Cross road, brs. NE. and SW.
  40.87
              The cor.of secs.20,21,28 and 29.
  80.02
              Land, level.
              Soil, sandy loam, over 2 ft. deep; dry, medium texture;
                 1st rate.
              No timber.
                                At this cor. I set off 15^{\circ}09\frac{1}{2} N. on the decl
              Angust 12:
                arc, and observe the sun on the meridian at noon; the
                 resulting lat is 31^{\circ}50\frac{1}{2} N.
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```
Chains
800K 2828
                             N.0°02'W., bet. secs. 20 and 21. Over level land.
                 Over level land.

39.90 Fence, bears E.and W.

40.00 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 S 21 in E. and \frac{1}{4} S 20 in W, half; dig pits 18x18x12 ins.N. and 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.
                             NW.cor. Cox's house, bears N.03° 00'E.
NE.cor.Joe Lambkins' house bears N.20° 18' W.
                 60.15
                             Fence bears H. and W.
                  79.73
                             Fence bears B.and W.
                             Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the the ground for cor. of secs. 16,17,20 and 21, marked
                 80.00
                                  on brass cap,
T 18 S R 26 E in h half;
                                     S 17 in NW.,
                                     S 16 in NE.,
S 21 in SE., and
S 20 in SW. quadrant; dig pits 18x18x12 ins. in each
                            sec. 5\frac{1}{2} ft. dist., and raise a mound of earth 4\frac{1}{2} ft. base, 1\frac{1}{2} ft. high, W. of cor.

NW.cor. of Cox's house bears S.71° 22'E.
                              NE. cor.of Joe Lambkins' house bears S.80°50' W.
                             Land, level.
                             Soil, sandy loam, over 2 ft. deep; dry, medium texture;
                                  1st rate.
                             No timber.
                             East on a random line, bet. secs.16 and 21.
                             Set temp. \frac{1}{4} sec.cor. Intersect N.and S. line, 3 lks.S.of cor. of secs. 15,16,
                 40.00
                 79.98
                                 21 and 22.
                             Thence I run,
                             S.89°59'W. on a true line, bet. secs.16 and 21. Over level land.
                 39.99
                             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 16 in N.and S 21 in S.half; dig pits 18x18x12 ins. E.and
                            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. Cross road, bears NW.and SE.
                 57.78
                 78.73
                             Cross roads, bear N. and S., E. and W.
                             The cor.of secs.16,17,20 and 21.
                 79.98
                             Land, level.
                             Soil, sandy loam, over 2 ft. deep; dry, medium texture;
                                 1st rate.
                             No timber.
                            N.0°02'W., bet. secs.16 and 17.
Over level land.
Cross road, brs. NW.and SE.
Cross road, brs. NE.and SW.
                   7.00
                 22.65
                             Set an iron post 3 ft. lomg, 1 in. in diam., 26 ins.in
                 40.00
                                  the ground for \frac{1}{4} sec.cor., marked on brass cap, S 16 in E. and \frac{1}{4} S 17 in W.half; dig pits 18x18x12 ins.N. and 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.
                             Chiricahua Cattle Co's . windmill, bears N.23°20'W.
                 52.40
                             Cross road, bears NE and SW. Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the
                 75.40
                 80.00
                                  ground for cor.of secs.8,9,16 and 17, marked on brass cap T 18 S R 26 E in N.half;
                                     S 8 in NW.,
                                     S 9 in NE.,
                                  S 16 in SE., and S 17 in SW. quadrant; dig pits 18x18x12 ins.in each sec. 5\frac{1}{2} ft. dist., and raise a mound of earth 4\frac{1}{2} ft.
                                  base, l^{\frac{1}{2}} ft. high, W.of cor.
                             Chiricahua Cattle Cols windmill, bears S.35°30'W.
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Subdivision of Township 18 South, Range 26 East.

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Subdivision of Township 18 South. Range 26 East.
Chains.
            Land, level.
            Soil, sandy loam, over 2 ft. deep; dry, medium texture;
               1st rate.
            No timber.
                                                                        August 12, 1911.
            August 14: At 7h.00m.a.m., l.m.t., I set off 31°52½'N.on the lat.arc; 14°38'N. on the decl.arc, and determine a meridian with the solar at the cor.of secs. 8,9,16
                and 17.
            East, on a random line, bet. secs.9 and 16.
            Set temp. \(\frac{1}{4}\) sec.cor.

Intersect N. and S. line 4 lks.S. of cor. of secs.9,10,15
 40.00
  79.92
                and 16.
             Thence I run,
            S.89°58'W. on a true line, bet. secs.9 and 16.
             Over level land.
            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 9 in N. and S 16 in S.half; dig pits 18x18x12 ins. E.and
 39.96
                W.of cor. 3 ft. dist., and raise a mound of earth 3\frac{1}{2} ft.
                base, la ft. high, N.of cor.
            Cross road, bears NE and SW. Cross road, bears NE and SW. Cross road, bears NE and SW.
 52.02
 62.42
 75.47
            The cor of secs. 8, 9, 16 and 17.
 79.92
            Land, level.
            Soil, sandy loam, over 2 ft .deep; dry, medium texture; lst rate.
            No timber.
            N.0^{\circ}02 W., bet. secs.8 and 9.
            Over level land.
            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, $ 9 in E. and $\frac{1}{4}$ $ 8 in W.half; dig pits 18x18x12 ins.N.and $. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. high $\frac{11}{2}$ of $\frac{1}{2}$ ft.
 40.00
           base, l\frac{1}{2} ft. high, W. of cor.

Soil changes from sandy loam to decomposed limestone;
top soil 1 ft. deep, 2nd rate.

Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
 48.00
 80.00
                the ground for cor of secs . 5, 8 and 9, marked on brass
                        T 18 S R 26 E in N.half;
                        S 5 in NW.,
                        S 4 in NE.,
                        S 9 in SE., and
S 8 in SW. quadrant; dig pits 18x18x12 ins.in each
               sec. 5\frac{1}{2} ft. dist., and raise a mound of earth 4\frac{1}{2} ft. base, 1\frac{1}{2} ft. high, W.of cor.
             Land, level.
             Soil, sandy loam, over 2 ft. deep; dry, medium texture, lst rate, except 32 chs., which is decomposed limestone, 1 ft. deep, 2nd rate.
            No timber.
                                At this cor. I set off 14° 33'N. on the decl.
             August 14:
                arc; and observe the sun on the meridian at noon; the
                resulting lat. is 31^{\circ}53\frac{1}{2} N.
             East, on a random line, bet. secs. 4 and 9.
             Set temp. 1 sec.cor.
  40.00
             Intersect N and S. line, ll lks. S. of cor. of secs. 3, 4,9
  79.86
                and 10.
             Thence I run,
             S.89°55'W. on a true line, bet. secs.4 and 9.
             Over level land.
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Cross road, bears NE.and SW.

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Chains
39.93 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 4 in N. and S 9 in S.half; dig pits 18x18x12 ins. E.and W. of cor. 3 ft. dist., and raise a mound of earth 3\( \frac{1}{2} \) ft.
            base, 12 ft. high, N.of cor.
69.86 Soil changes to decomposed limestone not over 1 ft. deep,
            2nd rate.
79.86 The cor of secs.4, 5,8 and 9.
         Land, level.
         Soil, sandy loam over 2 ft. deep; dry, medium texture; lst
            rate, except 10 chs., which is decomposed limestone, not over 1 ft. deep, 2nd rate.
         No timber.
         North on a random line, bet. secs. 4 and 5.
40.00 Set temp. 4 sec.cor.
80.03 Intersect N.bdy.of Tp.5 1ks.E.of cor. of secs. 4,5,32 and
          Thence I run,
         5.0°02'E. on a true line, bet. secs.4 and 5.
          Ascending.
1.03 Top of rocky ridge, bears E.and W.; descend.
18.03 Over level land.
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 S 4 in E. and \frac{1}{4} S 5 in W.half; dig pits 18x18x12 ins N.and 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.
         Soil, changes to limestone.
78.03
80.03 The cor.of secs.4,5,8 and 9. Land, level and hilly.
          Soil, 18.03 chs., rocky, 4th rate; 50.00 chs., adobe, 3rd rate; 12.00 chs. decomposed limestone, 2nd rate.
          Scattering catclaw and mesquite brush.
          No timber.
                                                                 August 14, 1911.
                                                                         John & Hesse
                                                                            U.S. Transitman.
          August 12: At 7h.00m.a.m., l.m.t., I set off 31°50'N.on the lat.arc; 15°14'N. on the decl.arc, and determine
             a meridian with the solar at the cor.of secs.29,30,31
             and 32.
          South on a random line, bet. secs.31 and 32.
 40.00 Set temp. ½ sec.cor.
          Intersect S.bdy.of Tp.7 lks.E.of cor.of secs.5,6,31 and 32
 80.09
          Thence I run,
          N.0°03' E., on a true line, bet. secs.31 and 32. Over level land.
  1.78 Cross road, bears NE.and SW.
         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 32 in E. and \( \frac{1}{4} \) S 31 in W. half; dig pits 18x18x12 ins. N. and
             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.
 53.05 Cross road, brs. NW.and SE. 80.09 The cor.of secs.29,30,31 and 32.
          Land, level.
                                                              dry
          Soil, sandy loam, over 2 ft. deep; medium texture, 1st rate.
          No timber.
          N.0°02' W., bet. secs.29 and 30.
Ower level land.
25.76 Wash, 15 1ks.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 29
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Subdivision of Township 18 South Range 26 East

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30.
             Subdivision of Township 18 South, Range 26 East.
Chains
            Top of ridge, brs. E.and W.; descend.

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 S 20 in E., and \(\frac{1}{4}\) S 19 in W.half; raise a mound of stone 2 ft. base,
28.79
40'.00
            1\frac{1}{2} ft. high, W.of cor. Pits impracticable. Over adobe flat.
62.73
            Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor.of secs. 17,18,19 and 20, marked on brass
00.08
                        T 18 S R 26 E in N.half; '
                        S 18 in NW.,
                        S 17 in ME.,
               S 20 in SE., and S 19 in SW. quadrant; dig pits 18x18x12 ins. in each \sec.5\frac{1}{2} ft. dist., and raise a mound of earth 4\frac{1}{2} ft. base, 1\frac{1}{2} ft. high, W. of cor.
           Land, level and hilly.
Soil, 7.73 chs. sandy loam, over 2 ft. deep; dry, medium texture; lst rate; 55.00 chs. rocky and worthless, 4th
               rate; 17.27 chs. adobe, 2nd rate.
                                                                             alfred n. Olim
            No timber.
                                                                                     U. S. Transitman
            East, on a random line, bet. secs.17 and 20.
            Set temp. 4 sec.cor.
 40.00
            Intersect N. and S. line 13 lks.S. of cor. of secs. 16, 17, 20
 80.00
               and 21.
            Thence I run.
            S.89°54'W., on a true line, bet. secs.17 and 20. Over level land.
            J.B.Lambkin's house lies 1.85 chs. S.
 15.35
15.98
            Mrs.J.B.Lambkin's house lies 2.15 chs. N.
            Set an iron post 3 ft. long, l in. diam., 26 ins. in the ground for \( \frac{1}{4} \) sec.cor., marked on brass cap \( \frac{1}{4} \) S 17 in N. and S 20 in S.half; dig pits \( 18x18x12 \) ins., E.and 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.
 40.00
 80.00
            The cor.of secs.17,18,19 and 20.
            Land, level.
            Soil, adobe, over 2 ft. deep; dry, 1st rate.
            No timber.
                                                                           August 12, 1911.
                                                                               John F. Hesse
U. S. Transitman.
            August 14: At 7h.00m.,a.m.,l.m.t., I set off 31°51½ N.on the lat.arc; 14°38'N. on the decl.arc, and determine a
                meridian with the solar at the cor. of secs. 17,18,19 and
                20.
            West, on a random line, bet. secs. 18 and 19.
            Set temp. \frac{1}{4} sec.cor.
 40.00
78.11
            Intersect W.bdy.of Tp., 27 lks.S.of cor.of secs.13,18,19
               and 24.
            Thence I run,
           S.89°48'E., on a true line, bet. secs.18 and 19. Over level land.
           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 l8 in N. and S l9 in S.half; dig pits l8xl8xl2 ins. E.and W.of
38.11
               cor. 3 ft. dist., and raise a mound of earth 3\frac{1}{2} ft. bese, 1\frac{1}{2} ft. high, N.of cor.
78.11
            The cor of secs. 17,18,19 and 20.
           Land, level.
            Soil, sandy loam, over 2 ft. deep, dry, medium texture, 1st
               rate.
            No timber.
```

23/2

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. The cor. of secs. 7,8,17 and 18.

77.73 Land, level.

Soil, sandy loam, over 2 ft. deep, dry, medium texture; lst rate. No timber.

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Chains.
                                   ust 14: At this cor. I set off 14°33' N. on the decl.arc, and observe the sun on the meridian at noon;
                              August 14:
EOOK 2328
                                   the resulting lat. is 31^{\circ}52\frac{1}{6}'N.
                                         N.0002' W., bet. secs.7 and 8. Over level land.
                              Set an iron post 3 ft. long, 1 in. in diam., 26 ins.in
                  40.00
                              the ground for \(\frac{1}{4}\) sec.cor., marked on brass cap, S 8 in E. and \(\frac{1}{4}\) S 7 in W.half; dig pits 18x18x12 ins.N. and S.of cor. 3 ft. dist., and raise a mound of earth \(\frac{1}{2}\) ft. base, \(\frac{1}{2}\) ft. high, W.of cor.

Set an iron post 3 ft. long, 2 ins. in diam., 24 ins.in the ground for cor.of secs.5,6,7 and 8, marked on brass cap
                  00.08
                                   brass cap,
T 18 S R 26 E in N.half;
                                      S 6 in NW.,
                                      S 5 in NE.,
S 8 in SE., and
S 7 in SW. quadrant; dig pits 18x18x12 ins. in each
                                   sec. 5\frac{1}{2} ft. dist., and raise a mound of earth 4\frac{1}{2} ft. base, 1\frac{1}{2} ft. high, W. of cor.
                              Land level.
                              Soil, sandy loam, over 2 ft. deep, dry, medium texture,
                                   1st rate.
                              No timber.
                                                                                           Alfurd M. Hurr
U.S. Transitman.
                              East, on a random line, bet. secs.5 and 8.
                   40.00
                              Set temp. \(\frac{1}{4}\) sec.cor.
                              Intersect N. and S. line 3 lks.S. of cor. of secs.4,5,8 and
                   79.96
                                   9.
                              Thence I run,
                             S.89°59'W. on a true line, bet. secs.5 and 8.
                              Over level land, through scattering brush. Set an iron post 3 ft. long, 1 in. in diam., 26 ins.in
                   39.98
                                   the ground for \frac{1}{4} sec.cor., marked on brass cap, \frac{1}{4} S 5 in N. and S 8 in S.half; dig pits 18x18x12 ins., E and 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. The cor. of secs. 5, 6, 7 and 8.
                   79.96
                              Land, level.
                              Soil, calcareous, not over 1 ft.deep; dry, 2nd rate. No timber.
                              Undergrowth, scrub oak and sage brush.
                                                                                               John & Hesse
                              West, on a random line, bet. secs.6 and 7. Set temp. \frac{1}{4} sec.cor. Intersect W.bdy.of Tp. 18 lks.S.of cor. of secs.1,6,7
                   40.00
                   77.53
                              and 12. Thence I run,
                              S.89°52'E. on a true line, bet. secs.6 and 7.
                              Ascending through dense brush.
                              Top of ridge, brs.N. and S.; descend.
                   15.55
                             Over level land, through dense brush.

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 6 in

N. and S 7 in S.half; dig pits 18x18x12 ins. E.and
                   28.44
                   37.53
                                   W.of cor. 3 ft. dist., and raise a mound of earth 3\frac{1}{2}
                                   ft.base, l_{\frac{1}{2}} ft. high, N.of cor.
                   77.53
                              The cor.of secs.5,6,7 and 8.
                              Land, level and hilly.
                              Soil, calcareous, not over 1 ft. deep; dry, 2nd rate,
                                except 28.44 chs., which is rocky and worthless, 4th
```

Subdivision of Township 18 South, Range 26 East.

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GENERAL DESCRIPTION.

This township is nearly level land, from which rises rough granite hills. The soil on the level land is a rich sandy loam, capable of producing abundant crops with irrigation. There is no timber or water in this township.

After M. Chara

U. S. Transitman.

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Error in lat.,

481.29 480,54 481.29 .03 Error in dep.,

480.54

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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LIST OF	F NAMES.	BOOK 2	328
A list of the names of the individuals employ	ved by John F. Hesse		
, United States			
,		_	
narking the lines and corners described in the fore			
subdivision lines of Tp. 18 S. Rg. bast and west boundaries of Tp. 18 showing the respective capacities in which they act	3 S. Rg. 26 E.	f the south	
J. H. Bates	R. A. Coombs	, Chainn	nan
A. F. Lyon	R. L. Bates	, Chainn	nan
	H. R. Harvey	, Mound	mar
	E. E. Mills	, Mound	mar
	H. F. Dillman	, Axman	J.
	E. Barnes	, Axman	ı .
Ralph Brown	n P. B. Hilderbran	, Flagmo	an.
FINAL OATH	OF ASSISTANTS.		
	•	an eyor, in surveyi	ng a
hose parts or portions of the subdivision lesurvey of the south, east and we	Transitme United States Deputy Surv Lines of Tp. 18 S. Rg.	en eyor, in surveyi 26 E. and	ng a
hose parts or portions of the subdivision lesurvey of the south, east and we	Transitme United States Deputy Surv Lines of Tp. 18 S. Rg.	eyor, in surveying 26 E. and 18 S. Rg. 2	ng :
hose parts or portions of the subdivision lesurvey of the south, east and we	Transitme, United States Deputy Surveines of Tp. 18 S. Rg. est boundaries of Tp.	eyor, in surveying 26 E. and 18 S. Rg. 20 of the Gila	ng a
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Subscribed and sworn to before me this 14th. day of August, 1911

By P. E. Hilderbran August 12th.

oppose (1911) John H.

U. S. Transitman

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Solomply avec	that, in pursuance of a contract received from Thank Manaitme
_/ _ /	Surveyor General for , bearing date of to day of Cluy 19/0, Thave well, faithfully, and truly, in 187 or
Name of Street, Street	, , , , , , , , , , , , , , , , , , ,
	and in strict conformity with the instructions furnished by the United States Survey
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	notes as having been surveyed by me, and under my direction; and I do further solemn
	the corners of said survey have been established and perpetuated in strict accordance with
the Manual of S	Surveying Instructions, and the special written instructions of the United States Survey
General for	and in the specific manner described in the field notes, and the
the foregoing a	are the original field notes of such survey
	John r. stesse
	alfred M. bline
	United States Deputy Survey.
	Inansitures
Subscribed by s	said folu () less, and sworn to before me
this	8 day of July 19/2 tend
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	APPROVAL.
	OFFICE OF THE UNITED STATES SUPPLYEYOR GENERAL,
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under his exist.	No, dated, 19/0 , having be
	ined, and the necessary corrections and explanations made, the said field notes, and the
surveys they de	scribe, are hereby approved.
	Class & ingalls
	United States Surveyor Genera
I certify t	that the foregoing transcript of the field notes of the above-described surveys in
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	, has been correctly copied from the original notes on file in this office.