(Exteriors)

BCOK 2892

FIELD NOTES

W., E., and N. bdrs. of T. 10 S. R. 2 E. E. and N. bdrs. of T.10 B. R.3 E. and T.10 S. R.5 E. North boundary of T. 10 S.R. 4 E. East boundary of T. 10 S.R. 6 E. South & West bdrs, of T.9 S.R.6 E., T.7 S.R. 4 E. & T.6 S.R.2 E. South boundary of T. 8 S., R. 5 E. West bdrs.of T. 9 S., R. 4 E., T. 8 S., R. 2 E. and T. 7 S., R. 2 E West & North bdrs. of T. 9 S.R. 2 E. and T. 9 S.R. 3 E. Part of the North boundary of T. 8 S. R. 3 E. and North half of the West boundary of T. 7 S., R. 3 E., RETRACEMENT OF THE West boundary of T. 10 S., R. 8 E. and the South boundary of T. 7 S., R. 5 E. and RESURVEY OF THE Monitories, South and West boundaries of T.9 S. R.7 E. and T.8 S. R. 6 E. of the Gila and Salt River Base and Meridian in the State of Arizona EXECUTED BY W.H.Thorn, U.S.Surveyor and W.K.Kierulff, U.S.Transitman acity of U.S. Surveyor., under instructions dated July 29, 1914, issued by the United States Surveyor General to govern surveys included in Group No. 38, which were approved by the Commissioner of the General Land Office, September 5 , 1914

Surveys, Retracements
and ReSurveys commenced December 1 , 1914
Surveys, Retracements
and ReSurveys completed May 6 , 1915

inesticions deted Sept. 30, 1914.

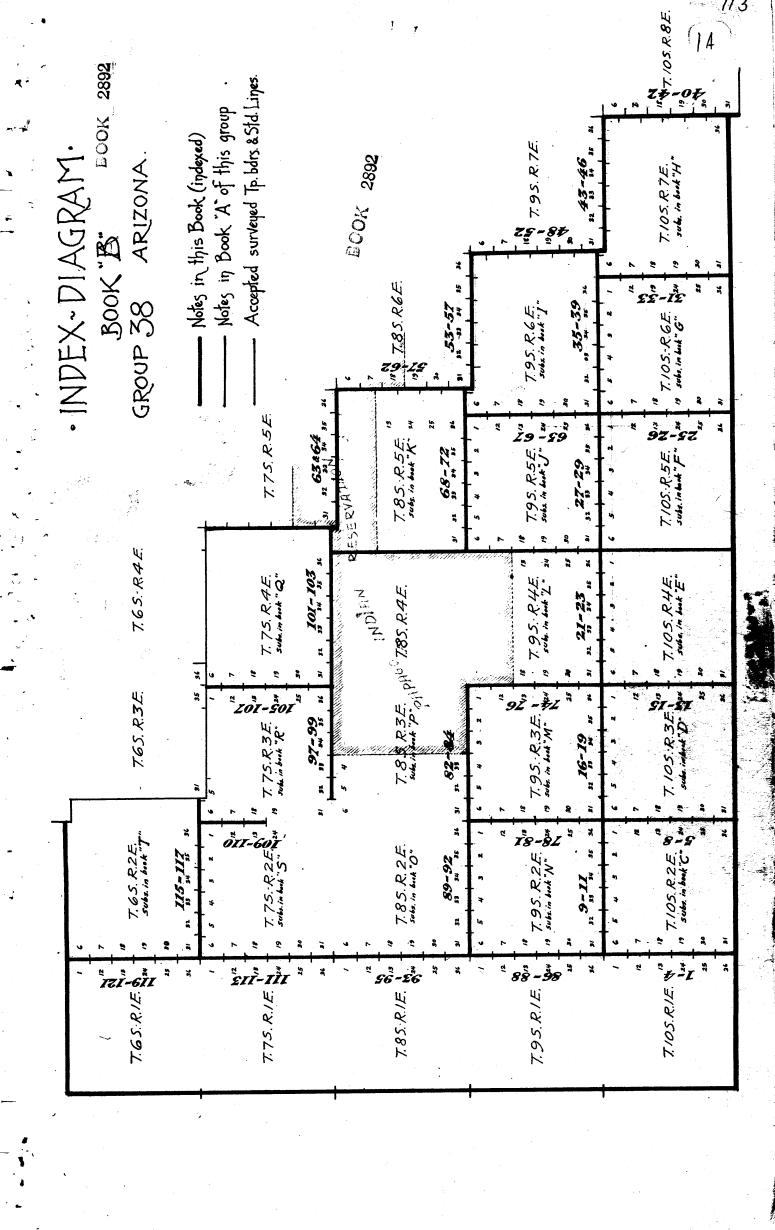
Book "B"

Group 38 Arizona.

(Exteriors)

SEE SPECIAL INDEX DIAGRAM

Towns	hip	• 1.	, Range	·	
6	5	4	8	2	1
7	8	9	10	11	12
18	17	16	15	14	18
19	20	91	22	28	24
30	36	28	27	26	25
34	82	88	34	85	36



```
houndaranof Township 10 South Range
Chains
          Retracement, Resurvey and Survey of township boundaries described in the field notes in this book were executed
                 by W.H.Thorn, U.S. Surveyor, and W.K.Kierulff, U.S.
                Transitman, under instructions for Group No.38, Arizona; Young and Sons' light mountain transit No.8592 with Smith's solar attachment, was used by W.H. Thorn, U.S. Surveyor; Young and Sons' light mountain transit No.8492 was used by W.K. Kierulff, U.S. Transitman. The horizontal limb on each of those instructions.
                 izontal limb on each of these instruments is provided
                with 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. These instruments were approved Sept. 30,
                          1914, by the Assistant Supervisor of Surveys for
                 Arizona and California, subject to satisfactory field performance. Field tests of both these instruments are hereinafter described.
            Throughout the following notes, the initials "W.H.T." or "W.K.K." are inserted at the beginning and end of the
                 notes describing the retracement, resurvey or survey of each township boundary indicating the execution of
                 same by W.H.Thorn, U.S.Surveyor, or W.K.Kierulff, U.S.
                  Transitman, respectively.
            W.K.K.
            Survey commenced Dec. 1, 1914.
            From recent and repeated field tests, I know the transit
           and solar attachment to be in satisfactory adjustment.

At 2h. p.m.,l.m.t., I set off 32° 30½N. on the lat.arc;
21°46'S. on the decl.arc; and determine a meridian with
the solar, at the standard cor. of T.10 S., Rs.1 and
2 E., reestablished by W.H.Thorn, U. S. Surveyor, and
described in Book "A." Magnetic decl. at this cor.
                  is 13° 45'E.
            Thence I run,
            North, bet. secs.31 and 36.
            Over stony land.
  8.30 Rocky ravine, 50 lks.wide, 10 ft. deep, course N.45°W. Ascend gradual S. slope to
            Ascend steep S.slope, 50 ft. to
Top of hill; descend N.slope, 100 ft. to
 24.00 Foot of descent; enter rolling land.
29.00 Ravine, 100 lks.wide, 15 ft. deep, course N.20° E.
40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the
                  ground for sec.cor., with brass cap, marked $ 36 in W., and $ 31 in E.haff; 1914 on S.rim.
            Build a mound of earth and stone, 3 ft. base, 2 ft. high,
                  W.of cor.
                                                                             Dec. 1, 1914.
I set off 32°31'N.on
            Dec. 2, 1914: At 10h. a.m., l.m.t., I set of the lat.arc; 21°53'S. on the decl.arc;
                                                                                               and determine
                  a meridian with the solar at this 1 sec.cor.
             Thence continue measurement north.
 46.60 Ravine, 140 lks.wide, 20 ft. deep, course N.45° E. 52.00 Ascend S slope, 75 ft. to 61.60 In saddle between two hills, about 150 ft. high.
             Descend 75 ft.to
 80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. the ground for cor. of secs. 25,30,31 and 36, with
                                                                                                  24 ins. in
                  brass cap, marked
                                         T 10 S on N.half;
                                         R 2 E S 30 in NE.,
                                         S 31 in SE.,
                                         S 36 in SW., and
R 1 E S 25 in NW. quadrants;
1914 on S.rim;
                   build a mound of stone 3 ft. base, 12 ft. high, W.of
```

Land, rolling and hilly. Soil, stony, 4th rate.

```
Survey of West boundary of Township 10 South Range 2 East.
Chains.
            Timber scattering scrub palo verde and ironwood. Undergrowth, greasewood brush and cacti.
            North, bet.secs.25 and 30.
  Over rolling, rocky land, through scattering undergrowth. 25.00 Ascend steep SE. slope to
  33.00 Change to east slope, thence descend NE. slope to 39.00 Wash, 30 lks.wide, 3 ft. deep, course SE. Ascend S. slope.
 Set an iron post 3 ft.long, 1 in. in diam., 6 ins. in the ground, to solid rock, in a mound of stone 3 ft. base, 2 ft.high, for 1 sec.cor., with brass cap, marked 1 S 25 on W., and S 30 on E.half;
                                      1914 on S.rim;
                 pits impracticable. Build a mound of stone, 2\frac{1}{2} ft.
 pits impracticable. Build a mound of stone, 2\frac{1}{2} ft. base, 2 ft. high, W. of cor.

Top of ridge, brs.E. and W. Descend N. slope.

Foot of descent in draw; general slope to the east.

Ascend S. slope, 120 ft.to

Top of spur, brs.E. and W. Descend gradual N. slope.

Set an iron post 3 ft.long, 3 ins.in diam., 18 ins. in the ground, to solid rock, in a mound of stone, 2 ft. base, 6 ins. high for cor. of secs 19, 24, 25 and 30
                 base, 6 ins. high, for cor. of secs. 19, 24, 25 and 30,
                 with brass cap marked
T 10 S on N.half;
R 2 E S 19 in NE.,
                                      S 30 in SE.,
                                      S 25 in SW., and
                                     R 1 E S 24 in NW. quadrants;
                                      1914 in S.rim;
                                                   Build a mound of stone, 3 ft. base,
                 pits impracticable.
                 2 ft.high, W.of cor.
            Land, rolling.
            Soil, stomy, 4th rate.
            Timber, scattering scrub palo verde and ironwood.
            Undergrowth, greasewood brush, ocotillo and cacti.
            North, bet. secs.19 and 24.
            Over rolling land, through scattering timber and under-
                 growth.
            Along N.slope.
 15.10 Wash, 20 lks.wide, 2 ft. deep, course NW.
 Thence over rolling, rocky land, to

Set an iron post 3 ft.long, 1 in. in diam., 12 ins. in
the ground to solid rock, in a mound of stone 2 ft.
                 base, 12 ft. high for a sec.cor., with brass cap, marked 2 S 24 on W., and
                                     $ 19 on E half;
           1914 on S.rim.
Build a mound of stone 3 ft.base, 2 ft.high, W.of cor.
At this cor., I set off 21°54'S.on the decl.arc; and at ap-
                 parent noon, observe the sun on the meridian; the resulting latitude is 32° 32'N.
           Dec. 2, 1914.

Dec. 4, 1914: At 10h. a.m., l.m.t., I set off 32°32'N.on the lat.arc; 22°11'S. on the decl.arc, and determine
                 a meridian with the solar at this 1 sec.cor.
            Thence continue measurement, North.
            Over rolling land.
 49.50 Wash, 30 lks.wide, 2 ft. deep, course W.
80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor.of secs. 13,18,19 and 24, with
                 brass cap, marked
                                     T 10 S on N.half;
                                     R 2 E S 18 in NE.,
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S 19 in SE.,

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West boundary of Township 10 South, Range 2 East
Chains.
                                                                         S 24 in SW., and R 1 E S 13 in NW. quadrants;
                                                                         1914 on S.rim.
                         Build a mound of stone 3 ft.base, 2 ft. high, W. of cor.
                        Land, rolling.
                         Soil, stony, 4th rate.
                         Timber, scrub palo verde and ironwood.
                         Undergrowth, ocotillo and cacti.
     North, bet. secs.13 and 18.

Over rolling land, through scattering undergrowth.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the
                              ground for 1 sec.cor., with brass cap, marked $ 13 on W., and $ 18 on E.half;
                                                                          1914 on S.rim;
                                  dig pits 18x18x12 ins., N.and S.of cor., 3 ft. dist., and raise as mound of earth and stone, 3 ft. base, 2 ft,
                       high, W. of cor. Wash, 30 lks. wide, 2 ft. deep, course N. 80° W. Adobe Indian hut, 10x15 ft. on line.
      75.00 Leave rolling land, and enter level land. 79.00 Indian hut brs. W. 2 chs.
                        Indian hut brs.E. 7\frac{1}{2} chs.

Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 7,12,13 and 18, with brass
                                   cap, marked
                                                                          T 10 S on N.half;
                                                                         R 2 E S 7 in NE.,
S 18 in SE.,
                                                                                                                 and
                                                                          S 13 in SW.
                                                                          R 1 E S 12 in NW. quadrants;
                         1914 on S.rim;
no trees within limits; dig pits 18x18x12 ins. in
each sec. 5½ ft. dist., and raise a mound of earth 4
ft.base, 2 ft.high, W, of cor.
At this cor. I set off 22°12'S. on the decl.arc; and at
                          apparent noon observe the sun on the meridian; the resulting latitude is 32° 34'N.

Land, 75 chs., rolling, 5 chs.level.

Soil, gravelly and rocky, 3rd rate.

Timber scattering scrub relations and income.
                          Timber. scattering scrub palo verde and ironwood.
                          Indergrowth, ocotillo and cactus.
                          North, bet. secs. 7 and 12.
          2.75 Brush fence brs.E and W.
                         Enter small cultivated field, about 15 chs.wide.
Leave field and brush fence.
      Leave field and brush fence.

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

Sold on Sold o
                          1914 on S.rim.

No trees within limits. Dig pits 18x18x12 ins., N.and S. of cor., and raise a mound of earth 3 ft. base, 12 ft.
                                    high, W. of cor.
       57.10 Wash, 25 lks.wide, 8 ft. deep, course N.10°E.
63.30 Wash, 50 lks.wide, 4 ft. deep, course N.80°E.
80.00 Set an iron post, 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor.of secs.1,6,7 and 12, with brass
                                    cap, marked
                                                                            T 10 S on N.half;
                                                                           R 2 E S 6 in NE.,
                                                                           S 7 in SE..
S 12 in SW, and
R 1 E S 1 in NW quadrants;
                                                                           1914 in S-rim.
                          No trees within limits. Dig pits 18x18x12 ins. in each
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```
Chains.
                    sec. 5\frac{1}{8} ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, W.of cor.
              Land, level.
              Soil, sandy adobe, 1st rate.
              Timber, scattering palo verde and mesquite.
              Undergrowth, greasewood.
             North, bet. secs. 1 and 6. Over level land.
  Over level land.

Small knoll, brs.l ch. west.

Wash, 30 lks.wide, 3 ft. deep, course E.

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

Sol on W., and
Sol on E.half;
                   1914 on S.rim;
dig pits 18x18x12 ins., N.and S.of cor. 3 ft. dist.,
and raise a mound of earth 3 ft. base, 12 ft. high, W.
                of cor.
  61.00 Road brs.S. 70°E. and N.70°W
80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of Ts.9 and 10 S., Rs.1 and 2 E.
                   with brass cap, marked
T 9 S on N.half;
R 2 E S 31 in NE.,
S 6 in SE.,
                                          S 1 in Sw., and
R 1 E S 36 in Nw. quadrants;
                                          T 10 S in S.half;
                   1914 on S.rim;
no trees within limits. Dig pits 24x24x12 ins. on each line, N.E. and W. 4 ft., and S.of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, 2½ ft. high, S.
                    of cor.
              Land, level.
             Soil, adobe, and sandy, 1st rate.
Timber, scattering palo verde and mesquite.
              Undergrowth, greasewood.
                                                                             Dec. 4, 1914.
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FOOK 2892
        I examine the adjustments of the transit and also the solar
           At 9 h., a.m.1 m.t., I set off 32° 30½' N. on the lat. arc; 22° 18' S. on the decl. arc and determine a mer. with the solar at the std. cor. of To 10 S. Rs. 2 and 3 E. on 2nd. Standard Parallel S. reestablished
          by M.H. Thorn U.S. Shrveyor, as described in Book "A."
31.90 Road to Copperosity copper mine brs. SE. and NW.
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the
           ground for t sect cor. with bress cap mkd. t S:36 on W. and
               An iron wood 8 ins. in diam. brs. N.6010 E. 102 lks.
      dist. mkd. 4. S.31 B.T. .
Andron wood 16 ins. in diam. brs. S.5930 W.34 lks.
dist. mkd. + S.36 B.T.
62.00 Wash 50 lks. wide, 3 ft. deep bourse NE.
80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in
             the ground for cor. of secs. 25, 30, 31 and 36,
                               R.2 E.S.25 in NW. quadrants,
        Dig pits 18 X 18 X 12 ins. in each sec. 5\frac{1}{2} ft. dist. and raise a mound of earth 4 ft. base 2 ft. high
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W. of cor.
        Land, level.
        Soil, rocky 3rd rate.
                                        i. . . . .
        Timber, scattering palo verde and ironwood.
        Undergrowth, greasewood.
        North, best sees. 25 and 30.
        Over slightly rolling land.
 9.80 Wash 15 1ks. wide 2 ft. deep, course E. Thence over level land.
20.50 Road brs. SE . and NW.
23.30 Wash 50 lks. wide 3 ft. deep, course E. 26.00 Wash 280 lkd. wide, 5 ft. deep, course. E.
39.50 Road brs. E. and W. 40.00 Set an iron post 3 ft. long 1 in in diam. 26 ins, in the
             ground for + sec. cor. with brass cap mkd.
                               1 S.25 on W. said
                               S.30 on E.haif;
                               1914 on S. rim.
        No trees within limits.
        Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3 ft. base 1 ft. high
             W. of cor.
44.10 Wash 20 1ks. wide 2 ft. deep, course SE.
80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of secs.19, 24, 25 and 36 with
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Survey of East boundary of T.10 S.R.2 E.

apparatus and find them satisfactory.

Thence I rum,

from which, a

North, bet. secs. 31 and 36.

with brass cap mkd.

No trees within limits.

brass cap mkd.

والتديد

Over gently rolling land. 4.85 Wash 15 lks. wide 2 ft. deep, course E.

S.31 on E. half;

1914 on 8. rim.,

T.10 S. on N. half: R.3 E.S.30 in NE.

S.31 in SE. S.36 in SW.and

1914 on S. rim.

```
6
                          East boundary of T.10 S.R.2 E.
                                   T.10 S. on N. half;
R.3 E.S.19 in NE.
                                     S.30 in SE.
                                     S 25 in SW. and
                                     R.2 E.S.19 in NW. quadrants, 30
                                     1914 in S. rim.
             No trees within limits; pits impracticable. Raise a mound of stone 3 ft. base 2 ft. high W. of wor.
             Land, level.
             Soil, gravelly loam, 2nd rate.
             Timber, scattering scrub palo verde and ironwood.
             Undergrowth, greasewood.

At this cor. at 2 h.31 m. p.m.l.m.t., I observe Polaris at E.E. and lay off the azimuth 1° 21' to the W.
                   The line thus established checks with the twp.
                  boundary being run.
                                               a contra
             North, bet. secs. 19 and 24.
     Over slightly rolling land,
15.50 Wash 15 lks. wide 1 ft. deep, course, S.15°E.
     21.50 Road brs.E. and W.
     40.00 Set an iron post, 3 ft. long, 1 in. in diam. 26 ins. in
                  the ground for t sec. cof. swith brass cap, warked as
                                    $ S. 24 on W. and f
                                    S. 19 on E. half;
                                    1914 on S. rim.
            No trees within limits, pits impracticable.
Build a mound of stone 2 ft. base 2 ft. high Wrof cor.
    70.00 Enter small rolling foot hills.
78,00 Ascend gradual slope to the SW.
80.00 Set an iron post3 ft. long 3 ins. in diam. in a mound of stone 3 ft. base 2½ ft. high (could not set in the ground on account of solid mack) for cor. of secs.
                  13, 18, 19 and 24, with brass cap mkd.
T.10 S. on N. half;
                                  R.3 E.S.18 in NE.
                                    S.19 in SE.
                                    S.24 in SW. and
                                    R.2 E.S.13 in NW. quadrants, and
                                    1914 on S. rim.
             No trees within limits, pits impracticable.
Buildta mound of stone 3 ft. base 2 ft. high W. of cor.
             Land, general slope to the S. and SE.
             Soid, rocky 3rd rate.
             Timber, scattering scrub palo verde, and ironwood.
             Undergrowth, greasewood and small cactus.
                                                      Dec.5, 1914.
            Nec. 7, 1914.
At 9 h., a.m.l.m.t., Is set off 32.33 N. on the lat. arc; 22.33 S. on the decl. arc and determine a mer. with the
                 solar at the cor. of secs. 13,18, 19 and 24.
             Thence I run,
             North, bet seds beand 18.
      3.50 Top of small hill. Descend 50 ft. to
      7.00 Rolling land.
```

Thence I run,
North, bet. seds. bedand 18.

Ascend S. slope.

7.00
Rolling land.
Road brs. SE. and NW.

20.00
Wash 75 lks. wide 6 ft. deep, course SE.

Wash 50 lks. wide, 3 ft. deep, course SW.

Set an iron post 3 ft. long l in. in diam. in mound of stone 3 ft. base 2½ ft. high (could not set deeper on account of solid rock) fort sec. cpr. with brass cap mkd.

\$\frac{1}{2}\$ S.13 on W. and

S.18 on E. half; 1914 on S. rim.

```
East boundary of T.10 S.R.2E.
          No trees within limits, pits impracticable.
Build a mound of stone 3 ft. base 2 ft. high W. of cor.
45.00 Ravine 60 lks. wide 10 ft. deep, course SE.
52.00 Ascend SE. slope, 900 ft. to
So.00 Shaft of Opton Mining Claim brs. S.45° E. 150 lks. dist. Setan iron post 3 ft. long 3 ins. in diam. in a mound of stone 3 ft. base 2½ ft. high (impracticable totset deeper on account of solid rock) for cor. of secs.
                7, 12, 13 and 18, with brass cap mkd.
T.10 S. on N.half;
                                        R.3 E.S.7 in NE.
                                        S.18 in SE.
S.13 in SW. and
                                        R.2 E.S.12 in NW. quadrants,
                                        1914 on S. rim.
          No trees within limits, pits impracticable.
Build a mound of stone 3 ft. base 2 ft. high W. of cor.
          Land, mountainous.
          Soil, rocky 4th rate.
           Timber, scattering scrub pale verde, iron wood and
                 mesquite.
          Undergrowth, greasewood and small cactus.

At this cor. I set off22° 34' 5. on the decl. arc; and at apparent noon, observe the sun on the mer. The resulting lat. is 32° 33½' N.
          North, bet secs 7 and 12. On E. slope of Mountain.
22.30 Cross box canyon 3 chs. wide 100 ft. deep. 27.00 Ascend steep S. slope, 300 ft.
 40.00 True point for 4 sec. cor. falls on side of cliff 30 ft.
                high; therefore at
40.60 Set an iron post 3 ft. long 1 in. in diam. in a mound of stone 3 ft. base 2 ft. high (could not set in ground
                on account of solid rock) forwitness cor. to a sector.
                withsbrapsncap, marked W.C. on S.
                                         1 5.12 on W. and f,
                                         5.7 on E. half;
                                         1914 on S. rim.
 No trees within limits, pits impracticable.
Build a mound of stone 3 ft. base 2 ft. high W. of cor.
41.60 Top of Fidgettrs toE. cand W. idea. brs. E. and W.
Descend steep NE. slope of mountain to

500 ft. below \( \frac{1}{4} \) sec. cor.

Set an iron post 3 ft. long, 3ins. in diam. 1 ft. in the ground and in a mound of stone 3 ft. base 1\( \frac{1}{2} \) ft. high ( could not set deeper on account of solid rock) for cor. of secs. 1., 6, 7 and 12, with brass cap mkd.

T.10 S. on N.half;

R.3 F.S 6 in NF
                                         R.3 E.S.6 in NE.
                                         S.7 in SE.
                                         S.12 in SW. and
                                         R2 E.S.l in NW. quadrants,
                                         1914 on S. rim.
           No trees within limits, pits impracticable.
Build a mound of stone 2 ft. base 2 ft. high W. of cor.
           Land, mountainous.
            Soil, rocky, 4th rate.
           Timber, scattering paloverde, ironwood and giant cactus.
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Undergrowth, greasewood and small cactus.

Dec.7, 1914.

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8
                                    East boundary of T.10 S.R.2 F.
               Dec.8, 1914.
               At 9 h. am. 1.m.t. I set off 32° 34½' N. on the lat. arc; 22° 34' S. on the decl. arc and determine a mer. with the solar, at the cor. of secs.1, 6, 7, and 12.
              Thence I run
              North, bet. sees I and 6. Over mountainous land.
   2.00 Foot of descent 46 ft. below the cor.
               Thence over rolling land.
Ravine, 75 lks. wide 12 ft. deep, course NW.

Along steep W. slope of rocky hill.

Set an iron post 3 ft. long, 1 in. in diam. 18 ins. in the ground and in a mound of stone 2 ft. base, 12 ft. high,
                     for \frac{1}{4} sec. cor. with brass cap mkd. \frac{1}{4} S.1 on W. and f S.6 on E. half;
                                                     1914 on S. rim.
No trees within limits, pits impracticable.

Build a mound of stone 2 ft. base 2 ft. high W. of cor.

51.00 Wash 50 lks. wide, 6 ft. deep, course E.

Wash 30 lks. wide, 3 ft. deep, course NE.

67.40 Wash 20 lks. wide, 2 ft. deep, course N.70 E.

80.00 Set an iron post 3 ft. long 3 ins. in diam. 1 ft. in the ground, in a mound of stone 3 ft. base 1 ft. high (could not set deeper on account of solid rock) for cor. of Fs.9 and 10 S.Rs.2 and 3 E. with brass cam
                     cor. of Ts.9 and 10 S.Rs.2 and 3 E. with brass cap mkd.

T 9 S on N., and

T.100S on S.half;
                                                     R.3 E.S.31 IN NE.
                                                     S.6 in SE.
                                                     7.10
                                                    S.1 in SW. and
R.2 E.S.36 in NW. quadrants,
                                                   1914 on S. rim.
      No trees within limits.
Build a mound of stone 3 ft. base, 2 ft. high S. of cor.
Land mountainous and hilly.
             Soil, rocky 4th rate.
             Timber, scattering palo verde, iron wood and giant cactud. Undergrowth, greasewood, ocotillo and small cactus.

Dec.8, 1914.
                                                                                                        W. K. K.
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North boundary of T.10S.R. E.
 Survey of
        Survey commenced Dec. 9, 1914 and executed with a Young and Bon's dight mountain transit No. 549%, as dosy cribed in 500% 7.".

I examine the adjustments of the transit and correct the
              level and collimation errors.
        At 9 h.a.m.l.m.t., I set off 32° 35\frac{1}{2} N. on the lat arc; 22° 46' S. on the decl. arc and determine a mer. with
             the solar at cor. of Ts. 9&10 S., Rs.1 & 2E hereinbefore
             described which be meridian and falls upon the W. bdy
              of the tp. which is a true N. and S. line, and co-
              incides with it. P.m. observations taken on the E. bdy. of the tp. which is a "Polaris line", coincides
              with it. Therefore I conclude that the adjustments of
              the solar are satisfactory.
         Thence I run
        East, on a random line. setting temp. - sec. cor. as 39.53
              chs. and thereafter setting temp. sec. and 4
              sec.cors. at intervals of 40.00 chs; and at 4.79.62 chs., intersect E. bdy. of tp. 1 lk. S. of the cor. of Ts. 9 and 10 S. Rs.2 and 3 E hereinhefore described.
          This falling gives a true course for this Tp.bdy.of East
                                                      Dec:10;1914.
        I return to the cor. of Ts.9 and 10 S., Rs.1 and 2 E., hereinbefore described, and on
        Dec, 11, 1914, I run,
Hastmon true line bet. secs. 6 and 31.
         Over level land.
         Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
39.62
              ground for & sec. cor. with brass cap mkd.
                                1 S.6 on N. and;
                                S.31 on S. half, and
                                1914 on S. rim.
        Dig pits 18 X 18 X 12 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.
       Wash 25 lks. wide, 3 ft. deep course, S. Road brs. N. and S.
67.90
         Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in
79.62
              the ground for cor. of secs. 5, 6, 31 and 32, with
              brass cap ma.
                              T.9 S.R.2 E. on N.half;
                              S.32 in NE.
                             S.5 in SE.
                              S.6 in SW. and
                              S.31 in NW. quadrants
                              T.10 S. on S.half;
                              1914 on S. rim.
         Dig pits 18 X 18 X 12 ins. in each sec. 5\frac{1}{2} ft. dist and raise a mound of earth 4 ft. base 2 ft. high W. of
         Land, level.
         Soil, adobe, 1st rate, cogered with native grass. Undergrowth, greasewood brush.
         East, on true line bet. secs. 5 and 32.
                level land.
         Wash 15 lks. wide 2 ft. deep, course N. 80° W. Wash 15 lks. wide 2 ft. deep, course SW.
17.60
23.30
25.70
         Road brs. ME. and SW.
         Set an iron post 3 ft. long 1 in. indiam. 26 ins. in the
40.00
               ground for t sec. cor. with brass cap mkd.
                                4 S. 5 on N., and
                                S.32 on S. half, said
```

No trees within limits. Dig pits 18 X 18 X 12 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

1914 on S. rim.

```
10
                    North boundary of T.10 S.R.2 E.
            N. of cor.
    53.20
            Enter rolling land.
            Wet an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of secs.4, 5, 32 abd33, with brass
    80.00
                 cap mkd.
                               T.9 S.R.2 E. on N.half;
                               'S.33 in NE.
                                S.4 in SE.
S.5 in SW. and
                                S.32 in NW. quadrants
                                T.10 S. on S. half;
                                1914 on S. rim.
            No trees within limits.
            Dig pits 18 X 18 X 12 ins. in each sec. 5\frac{1}{2} ft. dist. and
                 raise a mound of earth 4 ft. bese 2 ft. high W. of cor.
            Land, level and rolling. Soil, stony 2nd and 3rd rate.
            Timber, scattering paloverde.
            Undergrowth, greasewood brush.
            Eastmon true line bet. secs. 4 and 33,
            Over rolling land.
           Ravine 50 lks. wide, 5 ft. deep, course N. Ravine 50 lks. wide, 8 ft. deep, course N. Wash 30 lks. wide, 2 ft. deep, course N. 70° W. Set an iron post 3 ft. long l in. in diam. 26 ins. in
   3.70
  20.00
  27.20
  40.00
                 the ground for \frac{1}{4} sec. cor. with brass cap. mkd. \frac{1}{4} S. 4 on N., and
                                S.33 on S. half,
                                1914 on S. rim.
            No trees within limits.
            Dig pits 18 X 18 X 12 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.
  71.90
            Road brs. NE. and SW.
            Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 33 and 34. with
  80.00
                brass cap mkd.
                               T.9 S.R.2 E. on N. half;
                                S.34 on NE.
                                S.3 in SE.
                                S.4 in SW. and
                                S.33 in NW. quadrants
                                T.10 S. on S. half, said
                                1914 on S. rim.
            No trees within limits.
           Dig pits 18 X 18 X 12 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, rolling.
            Soil, gravelly 3rd rate.
            Timber, scattering pale verde.
            Undergrowth, gressewood brush,
            East on true line bet. secs. 3 and 34.
            Over rolling land.
            Road brs: N. and S.
  24.80
            Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
  40.00
                 1914 on S. rim.
           No trees within limits.
           Dig pits 18 X 18 X 12 ins. E. and W. of cor. 3 ft. dist.
                 and raise a mound of earth 3½ ft. base 1½ ft. high
            Junction of 3 roads from N., S. and SE.
  47.20
  50.20
            Over rocky rolling land.
            Ravine 150 lks. wide, 20 ft. deep, course, S.
  67.50
```

```
North boundary of T.10 S. R.2 E.
Chains
          Road, brs. N. and S. Ravine, 75 lks. wide, 15 ft. deep, course, S.
71.70
72.20
          On gradual NW . slope .
75.00
          Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. i the ground for cor. of secs. 2, 3, 34 and 35, with
                                                                         24 ins. in
00.08
                brass cap mkd.
                                 T 9 S R 2 E on N. half,
                                 S 35 in NE.
                                 S 2 in SE.
                                 S 3 in SW. and
                                 S 34 in NW. quadrants,
                                  T 10 S R 2 E on S. half,
                                  1914 on S. rim.
          Build a mound of stone, 3 ft. base 2 ft. high W. of cor.
          Land, rolling.
                 stony, 3rd and 4th rates.
          Soil,
          Timber, scattering palo verde.
          Undergrowth, greasewood brush and cacti.
          East, on true line, bet. secs. 2 and 35.
          Along N. slope.
          Asc. steep W. slope, 700 ft. to True point for \frac{1}{4} sec. cor. falls on steep rocky N. slope
10.00
40.00
          of mountain; therefore at
Set an iron post 3 ft. long, 1 in. in diam., on surface
rock, in a mound of stone, 3 ft. base, 2 ft. high, for
witness.cor.to. 2 sec.cor., marked on brass cap,
40.20
                          WC on W., \frac{1}{4}S.35 on N. and S.2 on S. half,
                                  1914 on S. rim.
           Pits impracticable.
           Build a mound of stone, 3 ft. base, 2 ft. high N. of cor.
           Top of ascent.
42.00
          Descend over precipitous NE .slope, 900 ft. to
           Foot of descent.
70.00
          Thence over rolling NE. slope.
Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
00.08
                the ground for cor. of secs. 1, 2, 35 and 36, with
                brass cap mkd.
                                  T 9 S R 2 E on N. half,
                                  S 36 in NE.
                                  S 1 in SE.
                                  S 2 in SW and
                                  S 35 in NW. quadrants, T 10 S R 2 E on S. half,
                                  1914 on S. rim.
           Build a mound of stone, 3 ft. base, 2 ft. high N. of cor.
           Impracticable to build mound on W. on account of small
                wash.
           Land, mountainous. Soil, stony, 4th rate.
           Timber, scattering scrub palo verde.
           Undergrowth, ocotillos and cacti.
           East, bn true line, bet. secs. 1 and 36.
           Over rolling N. slope.
          Besc. E. slope to
Ravine, 50 lks. wide, 12 ft. deep, course, NE.
Dim road, brs. N. 5° E and S. 5° W. and ends at an old
  4.00
  9.00
15.50
           prospect camp about 5 chs. to the S.

Ravine 75 lks. wide, 10 ft. deep, course, N.
18.50
           Ravine, 75 lks. wide, 10 ft. deep, course, N. True point for 4 sec. cor. falls in ravine, 25 lks. wide,
34.50
40.00
                 5 ft. deep, course, N.; therefore.at
           Set an iron post3 ft. long, lin.in diam., 26ins.in ground for witness cor. to . 4 sec. cor. with brass cap mkd.
40.25
                                     \frac{1}{4} S 36 on N. and
                          WC on W.,
                                    S 1 on S. half,
                                    1915 on S. rim.
```

12		orth bound	lary of T	.10 S. H	.2 E.			
43.20 63.00 80.00	Chains Build a mound of stone, 3 ft. base, 2 ft. high N. of cor. 43.20 Road, brs. N. and S. 63.00 Wash, 30 lks. wide, 2 ft. deep. course. N.							
Boundaries of T.10 S.,R.2 E. Latitudes, departures and closing errors.								
Line d	esignated Bearing Dist. Latitudes.				uo es	Depart	ures.	
		e de la composition de la comp	-h-	N	<u> </u>	<u> </u>	W	
West T	n hd w	North.	chs.	chs 480.00	chs.	chis.	chs,	
North	Ip bdy	Fas.t.	479.62	400.00		479.62		
East T	o bdy	South.	480.00		480.00	413.45		
South (2nd St	rp bdy and Par S	West,	480.00		*****	• .	480.00	
Converg	ency.					:46		
Totals				480.00 480.00	480.00	480.08	480.00	
	in latitud			- 0.00		480.08		
Error	in denertu	20				0.00	•	

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Survey: of East boundary of T.10,S.,R.3 E.
                                                                                               13
Chains
            Survey commenced Dec. 27, 1914. and excouted with a You and builts light apportain transit in 6490, as is;
                  inni juuto linght assor
serikoliu bosk kult
            I examine the adjustments of the transit and correct
                  the level and collimation errors.
            Dec. 25, 1914.At 7 h. llm.p.m.l.m.t., I observe Polaris
                  at U.C.in accordance with instructions in the Manual
            Dec. 26, 1914 I set a rod 10 chs. N. of my station on
                  the mer. determined by observations on Polaris on
                  Dec. 25.
            At 7 h. 30m.a.m.l.m.t., I set off 32° 32' N. on the lat.
arc; 23° 20' S. on the decl. arc and determine a mer.
with the solar. The mer. thus determined coincides
            with the mer. determined by observations on Polaris.
At 4 h.p.m.l.m.t., I set off 32° 32' N. on the lat. arc;
23° 20' S. on the decl. arc and determine a mer. with
                  the solar. The mer. thus determined shows no appreci
            able difference bet. itself and the mer. determined by observations on Polaris. Therefore I conclude that the adjustments of the solar are satisfactory.

Dec. 27, 1914.
            At.9 h.a.m.l.m.t., I set off32° 30½' N. on the lat. arc; 23° 19° S. on the decl. arc and determine a mer.
                  with the solar at the std. cor. of Ts.10 S. Rs. 3
                 and 4 E., reestablished by W.H.T. as described in Book A"
            Thence I run
            North bet secs 31 and 36.
            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. with brass cap mkd. $\frac{1}{4}$ S.36 on W.* and
                                      S.31 on E. half,
1914 on S. rim.
            Dig pits 18 X 18 X 12 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.
            Road brs. S. 85° E. and N. 85° W.
Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of secs. 25, 30, 31 and 36. with brass
 41.80
  00.08
                  cap mkd.
                                      T.10 S. on N. half;
                                      R.4 E.S.30 on NE.
                                      S.31 in SE.
                                      S.36 in SW. and
R.3 E.S.25 in NW. quadrents,
1914 on S. rima.
           Dispits 18x18x12 ins.in each sec. 52 ft.dist., and raise a
             mound of earth 4 ft. base, 2 ft. high, W. of cor.
            Land, level. , Soil, adobe, 2nd ratel
            Undergrowth, greasewood brush.
            North betasecs. 25 and 30.
             Over level land.
             Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
 40.00
                  the ground for & sec. cor.with brass cap mkd.
                                      $ 5.25 on W., and
                                      S.30 on E. half, and
                                      1914 on S. rim.
            Dig pits 18 X 18 X 12 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 3 ins. in diam. 24 ins. in the ground for cor. of secs. 19, 24, 25 and 30
  80.00
                   with brass cap mkd.
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East boundary of T.10 S., R.3 E.
Chains
                               T.10 S. on N. half:
                               R.4 E.S.19 in NE.
                               S.30 in SE.
                               S.25 in SW. and
                               R.3 E.S.24 in NW. quadrants and
                               1914 on S. rim.
         Dig pits 18 X 18 X 12 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.
         Soil, adobe, 2nd rate.
         Undergrowth, greasewood brush.
         North the tesecs 119 and 224.
         Over level land.
40.00
         Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
              ground for 1 sec. cor. with brass cap mkd.
                               $ SE24 on W. and
                               S.19 on E. half,
                               1914 on S. rim.
         Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist.
              and raise a mound of earth 3 ft. base 1 ft. high
         W. of cor.
Road Wrs. N. 5° E. and S. 5° W.
78.50
         Set an iron post 3 ft. long 3 ins. in dramm; 24 ins. in
00.08
              the ground for cor. of secs. 13, 18, 19 and 24 with
              brass cap mkd.
                               T.10 S. on N. half;
                               R.4 E.S.18 in NE.
                              S.19 in SE.
                              S.24 in SW. and
                               R.3 E.S.13 in NW. quadrants, and
                               1914 on S. rim.
         Dig pits 18 X 18, X/12 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.
Soil, adobe, 2nd rate.
         Undergrowth, greasewood brush and cateclaw. At this cor. I set off 21° 19\frac{1}{2}'S. on the decl. arc and
              at apparent noon observe the sun on the mer. The resulting late is 32° 33' N.
         North betesecs 113 and 118.
         Over level land.
         Set an iron post 3 ft. long l in. in diam. 26 ins. in the
40.00
              ground for 1 sec. cor. with brass cap mkd. 1 S.13 on W. and
                               S.18 on E. half, de la
                               1914 on S. rim.
         Dig pits 18 X 18 X12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 32 ft. base 12 ft. high
              W. of cor.
53.10
         Road brs. SE. and NW.
         Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of secs. 7, 12, 13 and 18 with
80.00
              prass cab mkd.
                               T.10 S. on N. half;
                               R.4 E.S.7 in NE.
                               S.18 in SE.
                               S.13 in SW. and
                               R.3 E.S.12 in NW. quadrants, en
                               1914 on S. rim.
         Dig pits 18 X 18 X 12 ins. ine each sec. 5\frac{1}{2} ft, dist.
               and raise a mound of earth 5\frac{1}{2} ft. base 2 ft. high W.
               of cor.
          Land, level.
          Soil adobe, 1st rate.
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Undergrowth, greasewood and cat claw.

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East boundary of Township 10 South.
                                                                                    Range 3 East.
Chains
              North, bet. secs. 7 and 12. Over level land.
 12.70
              Road brs. NE. and SW.
              Wire fence brs. NE. and SW.
 33.60
              Enter cultivated field.
              Ditch, 10 lks.wide, 2 ft. deep, course E.

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

1 S 12 on W., and

5 7 on E.half;
 34:60
 40.00
              1914 on S rim.

No trees within limits. Dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base,
              light. high, W. of cor.

Ditch, 10 lks.wide, 2 ft. deep, course NE.

Ditch, 25 lks.wide, 2 ft. deep, course NE.

Indian village of 30 houses brs. W. about 15 chs.

Set an iron post 3 ft. long, 3 ins.in diam., 24 ins. in the ground for cor.of secs. 1,6,7 and 12, with brass
 44.20
52.60
55.00
 86.00
                     cap, marked
                                            T 10S on N.half;
                                            R 4 E S 6 in NE.,
S 7 in SE.,
                    S 12 in SW., and
R 3 E S 1 in NW quadrants;

1914 on S.rim;

no trees within limits. Dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, W.of cor.
               Land, level.
               Soil, adobe, 1st rate.
Timber, scattering palo verde.
               Undergrowth, greasewood.
                                                                                     Dec. 27, 1914.
               Dec. 28, 1914.
               At 9h. a.m., l.m.t., I set off 32° 34½ N. on the lat.arc; 23° 17'S. on the decl.arc; and determine a meridian
                     with the solar at the cor. of secs. 1, 6, 7. and 12.
               Thence I run,
               North, between s
Over level land.
                             between secs.1 and 6.
               Wire fence brs.NE. and SW. Leave field. Road, brs.NE. and SW.
Through old Indian cemetery.
  2.30
6.50
17.40
               Road brs.NE and SW.
  31:00
               Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for \( \frac{1}{4} \) sec.cor., with brass cap, marked \( \frac{1}{4} \) S 1 on W., and \( \frac{5}{4} \) S 6 on E.half;
  40.00
                                             1914 on S.rim;
                     dig pits 24\times24\times12 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, 3 ins. in diam., 24 ins. in the ground for cor. of Ts. 9 and 10 S., Rs. 3 and 4 E.,
  80.00
                     the ground for collection with brass cap, marked

T 9 S on N.half;

R 4 E S 31 in NE.,

S 6 in SE.,

and
                                             S 1 in SW., and
R 3 E S 36 in NW. quadrants;
T 10 S on S.half,
                      1914 on S.rim;
dig pits 18x18x12 ins., N.,E. and W. 4 ft., and S.of
                      cor. 8 ft. dist., and raise a mound of earth, 5 ft.
                      base, 2½ ft. high, S. of cor.
                Land, level.
                Soil, adobe, 1st rate, Undergrowth, greasewood. W.K.K. Dec. 28, 1914.
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Survey of North boundary of Township 10 South Range 3 East.
Chains.
                W.K.K.
                Dec. 29, 1914.
              From the cor. of Ts. 9 and 10 S., Rs. 3 and 4 E., hereinbe-
fore described, I run,
              West, on a random line, setting temporary 1 sec. and sec. cors. at intervals of 40.00 chs., and at 479.71 chs.
                   fall 1 lk. N. of the cor. of Ts. 9 and 10 S., Rs. 2 and
              3 E., established by me, and hereinbefore described. The above noted falling of the random line produces a
              true return course for this Tp. bdy.of East.
At this cor., I set off 23°14' S. on the decl.arc; and at apparent noon observe the sun on the meridian. The re-
                   sulting latitude is 32°35½N,
              Thence I run,
              East, on a true line, bet. secs, 6 and 31.
              Over rolling land.
  5.00
7.21
             Descend 30 ft. Wash, 20 lks.wide, 2 ft.deep, course NE.
              Ascend 30 ft.
             Thence over rolling land.
Ravine 50 lks.wide, 6 ft. deep, course N 30°E.
Ravine, 150 lks.wide, 30 ft. deep, course NE.
Set an iron post 3 ft.long, 1 in. in diam., 1 ft. in the ground in a mound of stone 2 ft. base, 12 ft. high, (could not set deeper on account of solid rock) for 4
11.70
29.70
39.71
                   sec.cor., with brass cap, marked
                                          S 5 on N., and S 6 on Sahalf;
             1914 on S rim.
No trees within limits. Pits impracticable.
Build a mound of stone 2 ft.base, 2 ft.high, N.of cor.
             Wash, 50 lks.wide, 3 ft. deep, course N.80°E.

Wash, 30 lks.wide, 2 ft. deep, course NE.

Wash, 20 lks.wide, 2 ft. deep, course NE.

Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 5,6,31 and 32, with brass
46.90
48.20
 74.60
79.71
                   cap, marked
                                          T 9 S R 3 E on N.half;
S 32 in NE.,
S 5 in SE..
                                                in SE.,
                                          S 6 in SW, and
             S 31 in NW. quadrants;
T 10 S on S half;
1914 on S rim.
No trees within limits. Pits impracticable.
              Build a mound of stone 2 ft. base,
                                                                                   2 ft.high, W.of cor.
              Land, rolling.
              Soil, stony, 4th rate. Undergrowth, greasewood brush and scrub palo verde.
             East, on a true line, bet. secs. 5 and 32. Over rolling land.
Wash, 30 lks.wide, 3 ft. deep, course N. Ascend steep W. slope, 430 ft. to Top of hill.
27.70
32.00
             Descend steep rocky E. slope.
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North boundary of T.10 S., R.3 E.
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Chai na
          Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
40.00
               ground for 1 sec. cor. with brass cap mkd.
                                 1 S.32 on N. and
                                S. 30 on S. half and
                                1914 on S. rim.
          No trees within limits. Pits impractivable.
          Build a mound of stone 3 ft. base 2 ft. high N. of cor. Foot of 275 ft. descent in saddle.
42.00
          Ascend steep W. slope to
43.70
          Top of steep ascent.
          Top of butte.
45.00
          Descend steep E. slope 200 ft. to
          Bottom of descent.
54.00
          Thence over rolling land.
60.20
          Road brs. N. and S
          Road brs. NW. and SE. and ends at prospect shaft.
65.50
          Shaft of Count Lode mining claim brs. S. 50 lks. Ascend over rolling rocky W. slope.
65.70
71.25
          Top of ascent, on N. slope.
          Descendover E. slope.
          Set an iron post 3 ft. long 3 ins. in diem. 18 ins. in
00.08
                    ground (could not set deeper on account of solid
               rock) in a mound of stone 2 ft. base 1 ft. high for
              cor. of secs. 4, 5, 32 and 33 with brass cap mkd. T. 9 S.R.3 E. on N. half;
                                 S. 33 on NE.
                                 S.4 in SM;
                                 S.5 in SW., and
                                 S.32 in NW. quadrants, T;10.5. on S. half, and
                                 1914 in S. rim.
          No trees within limits. Pits impracticable.
          Build a mound of stone 2\frac{1}{2} ft. base, 2 ft. high W. of cor.
          Land, mountainous.
          Soil, stony 4th rate.
          Timber, scattering palo verde and ironwood.
          Windergrowth, gressewood and cactus.
         Eastonon t rue line bet. secs. 4 and 33.
          Over rolling land.
Wash 10 lks. wide 1 ft. deep course SE.
    .20
          Ascend over SW. slope, and change to S. slope.
  9.00
          Descend E. slope 50 ft. to
25.00
          Foot of descent.

Wash 12 lks. wide 2 ft. deep, course SE.

Set an iron post 3 ft. long 1 in. in diam. 18 ins. in the
 35.00
 38.50
 40.00
               ground (could not set deeper on account of solid rock) in a mound of stone 2 ft. base 1 ft. high, for
               desc. for., 4 mid 33, with brass cap mkd.
                                 S. 4 on S. half,
                                 1914 on S. rim.
           No trees within limits. Dig pits 18 X 18 X 12 inc. 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.
           Road brs. N. and S.
 40.90
           Ascend Steep W. slope, 287 ft. to
Top of hill extends 15 chs. to the S.
 50.00
 62 .75
           Descend SE. slope, 296 ft. to
           Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 33 and 34, with
 80.00
                brass cap mkd.
                                 T.9 S. R.3 E. on N. half;
                                 S. 34 in NE.
                                 S.3 in SE.
                                 S.4 in SW. and s.33 in NW. quadrants,
                                  T.10 S. on S. half, and
                                  1914 on S. rim.
```

```
18
                    North boundary of T.16 S., R.3 E.
 Chans
           No trees within limits. Pits impracticable.
           Build a mound of stone 3 ft. base 2 ft. high W. of cor.
            Land mountainous.
           Soil, stony, 4th rate.
           Timber, scattering scrub palo verde and iron wood.
           Undergrowth, greasewood brush.
          East, on true line bet. secs. 3 and 34.
           Descend E. slope of mountain.
    .15
           2\frac{1}{2} in. pipe line brs. N. and S.
   5.00
           Foot of Slope, 300 ft. below top of hill.
  18.50
           Wash 10 lks. wide L ft. deep, course N. 20° E.
           Road brs. SW. and NE. Road brs. N. and S.
  21.90.
 27.60
           Set an iron post 3 ft. Hong 1 in. In diam. 26 ins, in the
  40.00
                ground for 1 sec. cor. with brass cap. mkd.
                                 $ 5.34 on N., and
                                 S.3 on S. half;
                                 1914 on S. rim.
           No trees within limits.
           Dig pits 18 X 18 X 12 inc. 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.
           Wash 30 lks. wide 2 ft. deep course N. 80° E.
 54.30
 59.25
           Road brs. N. and S.
           Wash 10 lks. wide 2 ft. deep, course NE Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs.2, 3, 34 and 35, with
 69.80
 00.08
                brass cap mkd.
                                 T.9 S.R.3 E. on N.half;
                                 S.35 in NE.
                                 S.2 in SE.
                                 S.3 in SW. and
                                 S.34 in NW. quadrants,
                                 T.10 S. on S. half, and
                                 1914. on S. rim.
           No trees within limits. Pits impracticable.
           Build a mound of stone 3 ft. base 2 ft. high, W. of cor.
           Land, mountainous. Soil stony 4th rate
           Timber, scattering palo verde and iron wood.
           East. on true line bet. secs. 2 and 35.
           Over level land.
Road brs. S.70° E. and NW.
  4.90
 40.00
           Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
               ground for \frac{1}{4} sec. cor. with brass cap mkd.
                                 4 S.35 on N. and S.2 on S. half, and
                                 1914 on S. rim.
           No trees within limits.
           Dig. pits 18 X 18 X 12 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.
           Wash 30 lks. wide, 3 ft. deep course S. 60° E. Wash 5 lks. wide, 3 ft. deep course SE. Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in
 65.10
 78.00
 80.00
                the ground for cor. of secs. 1, 2, 35 and 36, with
                brass cap mkd.
                                 T.9 S.R.3 E. on N. half.
                                 S.36 in NE.
                                 S.1 in SE.
                                 S.2 in SW. and
                                S.35 in NW. quadrants, 5.1, 7:10 S. on S. half.
                                 1914 on S. rim.
           No trees within limits.
```

Dig pits 18 X 18 X 12 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.

North boundary of T.10 S.R.3 E.

Land, level. Soil, adobe with gravel surface, 2nd rate. Timber scattering palo verde and iron wood. Undergrowth, greasewood brush.

East on true line bet. secs. 1 and 36.

Over level land. 22.40

Chains

30.00 39.25

40.00

Wash 30 lks. wide, 2 ft. deep course N. 75° E.

Wash 30 lks. wide 3 ft. deep course SE.

Wash 10 lks. wide 1 ft. deep course SE.

Set an iron post 3 ft. long line in diam. 26 ins. in the ground for \(\frac{1}{4} \) sec. cor. with brass cap mkd.

\$ S.36 on N., and

S.1 on S. half, 1914 on S. rim.

No trees within limits.

Dig pits 18 X 18 X 12 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. Cor. of TS: 9 and 10 S. Re. 3 and 4 E., hereinbefore des: (scribed. 00.08 Land, level.

Soil, adobe with gravel surface, 2nd rate. Timber scattering palo verde and iron wood.

Undergrowth, greasewood brush.

Dec. 29, 1914.

W. K.K.

Boundaries of T.10 S., R.3 E. Latitudes, departures and closing errors.

Line designated	B eari ng	Dist.	Latitudes.		Departures.		
	The second of the second		N.	S.	E.	.W.	
West bdy of Tp.	North,	480.00	480.00	P.T. Co. L. Manageroom and Manager	MARKET STATE OF THE STATE OF TH		
North bdy Tr.	East.	479.71	400.00		479.71		
East bdy, Tp	South.	480.00		480.00	470,1		
South bdy Tp., (2nd Std. Par.S.)	West,	480.00		440x 650		480.00	
Convergency					.40		
Totals			480.00	480.00	480.17	480.00	
			480.00				
Error in latitude	e		0.00	-	480.00		

```
Survey of North boundary of Township 19 South, Range 4
Chains.
               Survey commenced Jan. 4,1915. I examine the adjustments of the transit, and correct the
               level and collimation errors. I also correct all errors to be found in the solar apparatus.

At 9h. a.m., l.m.t., I set off 32°35½N. on the lat.arc; 22°45½'S. on the decl.arc, and determine a meridian with the solar at the cor.of Ts.9 and 10 S., Rs.3 and 4 E., established by me. and hereinbefore described
                      established by me, and hereinbefore described.
                Thence I run,
               East, on a random line along north bdy, of Tp., setting and sec.cors. at intervals of 40.00 chs., and at 479.56 chs., intersect 1st Guide Meridian East at the cor. of Ts. 9 and 10 S., Rs. 4 and 5 E., reestablished by W. H.T., as described in Book "A."
                True return course of this Tp. bdy. is therefore west.
                                                                                             Jam.4 and 6, 1915.
                Jan. 7, 1915.
Thence I run,
                West, on a true line, bet. secs. 1 and 36. Over level land.
               Wash, 10 lks.wide, 2 ft. deep, course NE.

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

1 S 36 in N., and
S 1 in S.half;
   2.00
40.00
               1915 on S.rim;
no trees within limits. Dig pits 18x18x12 ins., E. and
W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.
base, 1½ ft. high, N. of cor.
Road brs. N. 25°E. and SW.
52.20
55.00
80.00
                Descend very gradual slope to W., to
                Set an iron post 3 ft.long, 3 ins.in diam., 24 ins. in the ground for cor. of secs. 1, 2, 35 and 36, with brass
                       cap, marked
                                                  T 9 S R 4 E on N.half;
                                                  S 36 in NE.,
                                                  S 1 in SE.,
                                                  S 2 in SW., and
S 35 in NW. quadrants;
T 10 S on S half;
                                                  1915 on S.rim.
                No trees within limits. Dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W.of cor.
                 Land, level.
                 Soil, stony with gravel, 3rd rate.
                 Timber, scattering ironwood.
                 Undergrowth, greasewood brush.
                West, on a true like, bet. secs. 2 and 35. Over level land.
Road brs. NE and SW.
                Road brs. NE and SW.

Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 3 sec.cor., with brass cap, marked $ 35 on N., and $ 2 on S half;

1915 on S rim.

No trees within limits. Dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth 35 ft. base, 15 ft. high N. of cor.
  36.50
  40.00
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North boundary of Township 10 South, Range 4
                                                                                                                    East.
Chains.
71.00 wash, 15 lks.wide, 5 ft. deep, course N.10°E.
74.10 Wash, 20 lks.wide, 10 ft. deep, course N.
80.00 Set an iron post 3 ft. long, 3 ins.in diam., 24 ins. in
the ground for cor.of secs. 2,3, 34 and 35, with brass
                     cap, marked
                                               T 9 S R 4 E on N.half,
S 35 on NE.,
                                               S 2 on SE.,
S 3 on SW., and
S 34 in NW. quadrants; and
T 10 S in S half;
                                               1915 in S rim.
               No trees within limits.

Dig pits 18x18x12 ins., in each sec. 5 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
               Land, level.
               Soil, gravelly, 2nd rate.
               Timber, scattering ironwood and mesquite.
               Undergrowth, greasewood brush.
               West, on a true line, bet. secs.3 and 34.

Over level land.

Wash, 15 lks.wide, 7 ft. deep, course N.

Wash, 10 lks.wide, 2 ft. deep, course N. 20°E.

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

1 S 34 in N., and

5 3 in S helf:
2.00
5.30
40.00
               $ 34 in N., and $ 3 in S.half;

1915 on S.rim;

no trees within limits; dig pits 18x18x12 ins., E. and W.of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N.of cor.

Road from Indian Village to Jack Rabbit mine brs. N.70°E.
 62.00
                      and S.70°W.
                Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 3, 4, 33 and 34, with
 80.00
                      brass cap, marked
                                                T 9 S R 4 E on N.half;
                                               S 34 on NE.,
S 3 on SE.,
S 4 on SW., and
S 33 on NW. quadrants;
T 10 S on S half;
                                               1915 on S.rim.
                No trees within limts.
                Dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, W. of cor.
                Land, level.
                Soil, adobe,
                                            lst rate.
                Timber, scattering scrub mesquite.
                Undergrowth, greasewood brush.
```

23.

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West, on true line bet. secs. 4 and 33.
         Over level land.
Road brs. NE. and SW.
 3.00
35.00
         Road brs. NE. and SW.
         Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
40.00
              ground for 1 sec. cor. with brass cap mkd.
                              $ 5.33 on N., and S. 4 on S. half;
                               1915 on S. rim.
         No trees within limits.

Dig pits 18 X 18 X 12 ins. E. and W. of cor. 3 oft. dist. and raise a mound of earth 3\frac{1}{2} ft. base 1\frac{1}{2} ft. high
              N. of cor.
       Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of secs. 4, 5, 32 and 33, with brass
00.08
              cap mkd.
                               T.9 S.R.4 E. on N.half;
                               S.33 in NE.
                              S.4 in SE.
                               S.5 in SW. and
                               S.32 in NW. quadrants, ....
                               T.10 S. on S. half,
                               1915 on S. rim.
         No trees within limits.
         Dig pits 18 X 18 X 12 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.
         Soil, adobe 1st rate.
         Timber, scattering mesquite.
         Undergrowth, greasewood bfush.
         West, on true line bet. secs. 5 and 32.
         Over level land.
         Set an iron post 3 ft. long 1 in . in diam. 26 ins. in the
40.00
              ground for 4 sec. cor. with brass cap mkd.
                               \frac{1}{4} S.32 on N. and
                               S.5on S. half, and
                               1915 on S. rim.
         No trees within limits.
         Dig pits 18 X 18 X 12 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.
         Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the
80.00
              ground for cor. of secs. 5, 6, 31 and 32, with
              brass cap mkd.
                                T.9 S.R.4 E. on N.half;
                                S.32 in NE.
                                S.5 in SE.
                                S.6 in SW . and
                               S. 31 in NW. quadrants, T.10 S. on S. half,
                                1915 on S. rim.
         No trees within limits
         Dig pits 18 X 18 X 12 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.
          Soil, sandy adobe, 1st rate.
Timber, scattering mesquite.
          Undergrowth, greasewood brush,
          West, on true line bet. secs. 6 and 31.
          Over level land.
 8.00
          Road brs. NE. and SW.
          Set an iron post 3 rft. long 1 in. in diam. 26 ins. in the
40 .00
               ground for \frac{1}{4} sec. cor. with brass cap mkd.
```

4 S.31 on N.and S.6 on S. half.

North boundary of T.10 S.R.4 E. 24

1915 on S. rim.

No trees within limits.

Dig pits 18 X 18 X 12 ins. E. and W. of cor. 3 ft. dist. and raise a mound of earth 3½ ft. base 2 ft. high N. of cor.

Road brs. NE. and SW.

Cor. of Ts. 9 and 10 S., Rs. 3 and 4. E., and established by me and herethbefore described. The stable of the st

72.00 79.56

Land, level. Soil, adobe, 1st rate. Timber, scattering mesquite. Undergrowth, greasewood brush.

W.K.X. Jan. 7, 1915.

Boundaries of T.10 S., R.4 E. Latitudes, departures and closing errors.

7 3 00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Bearing.	Dist.	Latitudes.		Departures.	
Line designated			N	Š	E	W
West bar obdyr.	North.	480.00	480.00			
North Tp. bdy.	East.	479.56	wasan di Samana		479.56	
East Tp. bdyy (dst:GuideMer.E	South	4800 00 0 - 79 • 53	4000	480.00	478,03	
STp.bdy. (2nd.Std.Par.S.)	West; West	480.00 400.00		400,00		480.00
Convergency.					.46	
Totals			480.00	480.00	480.02	480.00
Error in letitud	e		480.00		480.00	\$1 . 119
Error in departu	re				0-02-	

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of Wast boundary of Township 10 South Range 5 East.
           W.K.K.
          Survey commenced Jan.16, 1915. At 9h.a.m., l.m.t., I set off 32°30½'N.on the lat.arc; 21°1'
                S.on the decl.arc; and determine a meridian with the
                solar at the standard cor. of Es. 10 S., Rs. 5 and 6 E., re
                established by W. H. Thorn, U.S. Surveyor, and de-
                scribed in Book "A."
                                                            Thence I run,
           North, between secs. 31 and 36.
           Over level land.
40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for \( \frac{1}{4} \) sec.cor., with brass cap, marked \( \frac{1}{4} \) S 36 on W., and
                                      S 31 on E.half;
                1915 on S.rim;
dig pits 18x18x12 ins., N.and S of cor. 3 ft.dist., and
raise a mound of earth 3½ ft.base, 1½ ft. high, W.of cor.
          wash, 10 lks.wide, 1 ft.deep.course N.10°W.

True point for sec.cor.falls in wash; therefore at Set an iron post, 3 ft.long, 3 ins. in diam., 24 ins. in the ground for W.C. to cor. of secs.25, 30, 31 and 36, with brass cap, marked T 10 S W C on N.half;
79.95
80.00
                                      R 6 E S 30 in NE.,
                                     S 31 in SE.,
                                      S 36, in SW., and
R 5 E S 25 in NW.quadrants;
1915 on S.rim.
           Dig pits 18x18x12 ins., NE., SE., SW. and NW. of cor. 5th ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high,
                 W.of cor.
                                   Soil, adobe, 1st rate.
           Land, level.
           Undergrowth, greasewood and sagebrush.
           North, between secs.25 & 30, from true point for sec.cor.
           Over level land.
0.75 Witness cor.to cor.of secs.25,30,31 and 36,described above. 11.00 Wash,12 lks.wide, 1 ft.deep,course NW. 40.00 Set an iron post,3 ft.long,1 in. in diam., 26 ins.in the
           ground for \frac{1}{2} sec.cor., with brass cap, marked \frac{1}{2} S 25 on W., and S 30 on E.half; 1915 on S.rim.

Dig pits 18 \times 18 \times 12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth \frac{3}{2} ft. base, \frac{1}{2} ft. high, W.pf
                 for.
80.00 Set an iron post, 3 ft.long, 3 ins.in diam., 24 ins.in ground for cor. of secs. 19, 24, 25 & 30, with brass cap, marked T 10 S on N. half;
                                      R 6 E S 19 in NE.,
                                       S 30 in SE.,
                                      S 25 in SW., and
R 5 E S 24 in NW.quadrants;
                                       1915 on S.rim;
                 dig pits 18x18x12 ins.in each sec. 52 ft.dist., and
                 raise a mound of earth 4 ft.base, 2 ft.high, W.of cor.
                                    Soil, adobe, 1st rate.
           Land, level.
            Undergrowth, sage brush and greasewood brush.
            North, between secs.19 and 24.
            Over level land.
           Set an iron post, 3 ft.long, l in. in diam., 26 ins.in the ground for 1 sec.cor., with brass cap, marked
40.00
                                         S 24 on W., and
                                       $ 19 on E.half;
1915 on S rim.

Dig pits 18x18x12 ins., N. and S. of cor., 3 ft.dist., and raise a mound of earth 3½ ft. base, 1½ ft.high, W. ofcor.

80.00 Set an iron post, 3 ft.long, 3 ins.in diam., 24 ins.in the ground for cor. of secs. 13.18, 19 and 24, with brass cap.
                                       T 10 S on N.half;
R 6 E S 18 in NE.,
                                       S 19 in SE.,
                                       S 24 in SW., and
R 5 E S 13 in NW.quadrants;
1915 on S.rim.
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East boundary of Township 10 South Range 5 East.
Chains
            Dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
            Land, level. Soil, adobe, 1st rate.
            Undergrowth, greasewood and sagebrush.
            North, between secs.13 and 18. Over level land.
 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the
                 ground for 4 sec.cor., with brass cap, marked
                                       S 13 on W., and S 18 on E half;
                                       1915 on S.rim.
           Dig pits 18x18x12 ins., N. and S. of cor., 3 ft.dist., and raise a mound of earth 3½ ft.base, 1½ ft. high, W. of cor. Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 7, 12, 13 and 18, with brass cap,
 80.001
                                      T 10S on N.half;
                 marked
                                       R 6 E S 7 in NE.,
                                       S 18 in SE.,
S 13 in SW., and
R 5 E S 12 in NW. quadrants;
                                       1915 on S rim.
            Dig pits 18x18x12 ins., in each sec. 51 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high, W. of cor. Land, level. Soil, adobe, 1st rate.
            Undergrowth, greasewood and sagebrush.
            North, between secs. 7 and 12.
            Over level land.
 40.00 Set an iron post, 3 ft.long, lin. in diam., 26 ins. in the
                  ground for a sec.cor., with brass cap, marked $ $12 on W, and
            S 7 on E half;
1915 on S rim.

Dig pits 18x18x12 ins., N. and S. of cor. 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft.high, W. of cor.
 A6.50 Road, brs. E and W.
80.00 Set an iron post 3 ft.long, 3 ins.in diam., 24 ins.in the ground, for cor. of secs. 1, 6, 7 and 12, with brass cap, marked T 10S on N. half;
R 6 E S 6 in NE.,
                                       S 7 in SE.,
                                       S 12 in SW., and
R 5 E S 1 in NW.quadrants;
1915 on S.rim.
             Dig pits 18x18x12 ins.in each sec. 5 ft.dist., and raise a
                  mound of earth 4 ft.base, 2 ft.high, W.of cor.
             Land, level. Soil, adobe, 1st rate.
             Undergrowth, greasewood and sagebrush.
            North, bet. secs. 1 and 6. Over level land.
  Wash, 10 lks.wide, 1 ft.deep, course E.

40.00 Set an iron post 3 ft.long, 1 in.in diam., 26 ins.in the ground, for 4 sec.cor., with brass cap, marked

3 1 on W., and S 6 on E half;
  1915 on S. rim.
Dig pits 18x18x12 ins.N.& S.of cor.3 ft.dist., and raise a mound of earth 3\frac{1}{2}ft.base, 1\frac{1}{2}ft.high, W.of cor.

80.00 Set an iron post, 3 ft.long, 3 ins.in diam., 24 ins.in the ground for cor. of Ts.9 and 10 S., Rs.5 and 6 E., with
                  brass cap, marked T 9 S on N.half;
R 6 E S 31 on NE.,
S 6 in SE., S 1 in SW., and
R 5 E S 36 in NW. quadrants;
                                                 T 10 S on S, half; 1915 on S.rim.
             Dig pits 24x24x12 ins.N.,E.& W.of cor.4 ft.and S.of cor. 8 ft.dist., and raise a mound of earth 5 ft.base, 2 ft.
                  high, S. of cor.
id, level. Soil, adobe, 1st rate.
             Land, level.
             Undergrowth, greasewood, sagebrush and mesquite.
                                                                   W.K.K. Jan. 16.1915.
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of North boundary of Township 10 South
                                                                           Ranga
Chains
           W. K. K.
           Survey commenced Jan. 10, 1915.
           I examine the adjustments of the transit, and correct the
                level and collimation errors.
           For establishment of meridian by observations on Polaris,
                see Book "F."
           I set over station on meridian established by observations
                on Polaris, near camp in sec.10, T.10 S, R 4 E, and at 9h. a.m., l.m.t., I set off 32°34'N. on the lat..arc; 22° 0½'S. on the decl.arc, and determine a meridian with the solar. The meridian thus determined falls less
                than 1' to the E. of the true meridian.
3h.p.m., l.m.t., I set off 32°34'N. on the lat.arc; 21°59'S. on the decl.arc, and determine a meridian with
                the solar. The meridian thus than 1' W.of the true meridian.
                                       The meridian thus determined falls less
           Meridians determined by the solar apparatus between the hours of 9 a.m. and 3 p.m. give similar results; therefore I conclude that the adjustments of the solar are
                                          Jan. 10, 1915.
                satisfactory.
           Jan. 15, 1915: At 9h. a.m., l.m.t., I set off 32^{\circ} 35\frac{1}{8}'N. on the lat.arc; 21°12½'S. on the decl.arc; and deter-
                mine a meridian with the solar at the cor. of Ts. 9 and
                10 S., Rs.4 and 5 E. on 1st Guide Meridian East, reestablished by W.H.Thorn, and described in Book "A".
            Thence I run
           East on a random line, setting temp. sec. and sec.cors. at intervals of 40.00 chs., and at 479.30 chs. fall 5 lks.S. of the cor. of Ts. 9 and 10 S., Rs. 5 and 6 E., herein-
                                                    This falling gives a true return
                before described.
                course for this Tp.bdy.of West.
                                                                        Jan. 15, 1915.
           Jan. 16, 1915.
Thence I run,
           West, on true line, between secs.1 and 36.
Over level land.
 over level land.

Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 4 sec.cor., with brass cap, marked 4 S 36 on N., and S 1 on S half;
                                     1915 on S rim;
                dig pits 18 \times 18 \times 12 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.
61.20 Wash, 10 lks.wide, 1 ft. deep, course N.70° W.
80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
                 the ground for cor. of secs. 1, 2, 35 and 36, with brass
                 cap, marked
                                     T 9 S R 5 E on N.half; S 36 in NE.,
                                     S 1 in SE.,
                                     S 2 in SW., and
S 35 in NW.quadrants;
T 10 S on S.half;
                                     1915 on S.rim;
                 dig pits 18x18x12 ins. in each sec. 5x18x18x12 ins. in each sec. 5x18x18x12
                 raise a mound of earth 4 ft.base, 2 ft.high, W.of cor.
           Land, level.
            Soil, adobe, 1st rate.
Undergrowth, greasewood and mesquite brush.
           West, on a true line, bet.secs. 2 and 35. Over level land.
 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for ½ sec.cor., with brass cap, marked ½ $ 35 on N., and $ 2 on S.half;
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1915 on S.rim.

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North boundary of Township 10 South, Range 5 East.
  Chains
            Dig pits 18x18x12 ins., E.and W.of corl, 3 ft. dist., and
                  raise a mound of earth 3½ ft. base, 1½ ft. high, N. of
                  cor
44.88 Wash, 10 lks.wide, 1 ft. deep, course N.20°W.
80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor.of secs. 2, 3, 34 and 35, with brass
                  cap, marked
                                        T 9 S R 5 E on N.half;
S 35 on NE.,
S 2 in SE.,
                                         S 3 in SW., and
                                        S 34 in NW. quadrants;
T 10 S on S.half;
1915 on S.rim.
            Dig pits 18x18x12 ins., in each sec. 51 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high, W. of cor.
             Land, level.
             Soil, adobe, 1st rate. Undergrowth, greasewood and mesquite brush.
             West, on a rtrue line, between secs. 3 and 34.
             Over level land.
 Wash, 10 lks.wide, 1 ft. deep, course NW.

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

1 S 34 on N., and
S 3 on S half;

1915 on S. rim;

dig pits 18x18x12 ins. E and W. of cor. 3 ft. dist.
                  dig pits 18 \times 18 \times 12 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.
  47.00 Wash, 10 lks.wide, 1 ft. deep, course NW.
80.00 Set an iron post 3 ft.long, 3 ins.in diam., 24 ins. in
the ground for cor.of secs.3,4,33 and 34, with brass
                   cap, marked
                                         T 9 S R 5 E on N.half;
                                         S 34 in NE.,
S 3 in SE.,
                                         S 4 in SW., and
S 33 in NW quadrants,
T 10 S in S.half;
             1915 on S.rim.

Dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, W.of cor.
             Land, level.
             Soil, adobe, 1st rate.
             Undergrowth, greasewood and mesquite brush.
             West, on a true line, bet. secs. 4 and 33.
             Over level land.
  40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for \( \frac{1}{4} \) sec.cor., with brass cap, marked \( \frac{1}{4} \) S 33 on N., and
                                          S 4 on S half;
             1915 on S.rim.
Dig pits 18x18x12 ins., E.and W. of corl, 3 ft. dist., and raise a mound of earth 3 ft. base, 1 ft. high,
                   N.of cor.
  80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for cor.of secs.4,5,32 and 33, with brass cap, marked T 9 S R 5 E on N.half;
                                          S 4 in SE.,
                                         S 5 in SW. and
S 32 in NW quadrants;
T 10 S.in S.half;
                                          1915 on S.rim.
             Dig pits 18x18x12 ins.in each sec. 52 ft.dist., and raise a
```

```
houndary of Township 10 South, Range 5
Chains.
                 mound of earth 4 ft.base, 2 ft.high, W.of cor.
            Land, level.
             Soil, adobe, 1st rate.
             Undergrowth, greasewood and mesquite brush.
            West, on a true line, bet. secs. 5 and 32.
            Over level land.
  8.40 Road brs.N.5°E. and S.5°W.
Road brs.N.5°E. and S.5°W.
40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the
                 ground for 4 sec.cor., with brass cap, marked
                                      1 S 32 in N., and S 5 on S.half;
            1915 on S.rim.

Dig pits 18x18x12 ins., E. and W. of cor., 3 ft. dist., and raise a mound of earth 32 ft. base, 12 ft. high, N. of
   69.20 Road brs.N. and SW.
   80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for co.of secs. 5,6,31 and 32, with brass
                  cap, marked
                                      T 9 S R 5 E on N.half;
                                     S 32 in NE.,
S 5 in SE.,
S 6 in SW., and
S 31 in NW.quadrants;
T 10 S on S.half;
                                      1915 on S.rim.
             Dig pits 18x18x12 ins., in each sec. 51 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high, W. of cor.
             Land, level.
             Soil, sandy loam, 1st rate.
             Undergrowth, sage brush.
             West, on a true line, between secs.6 and 31. Over level labd.
   14.30 Road brs. NW. and SE.
24.30 Ascend NE slope, 75 ft.to
32.60 Top of small ridge slopes to the S.
   Descend SW. slope to 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
                  the ground, for 1 sec. cor., with brass cap, marked 2 S 31 on N., and S 6 on S.half;
                                      1915 on S.rim.
             Dig pits 18x18x12 ins., E.and W. of cor., 3 ft. dist., and raise a mound of earth 3 ft. base, 1 ft. high,
                  N. of cor.
   Over rolling land.
Road brs.NW. and SE.
Wash, 10 lks.wide, 2 ft.deep, course N.
Cor.of Ts. 9 and 10 S., Rs.4 and 5 E., on First Guide
Meridian East, reestablished by W. H. Thorn, U. S.
Surveyor, and described in Book "A".
Land level and rolling.
             Land, level and rolling.
Soil, 20 chs., sandy loam, 1st rate; remainder stony,
                                                              Jan. 16, 1915.
W.K.K.
                   3rd rate.
```

30. Bo	undaries o	f Townshi	p 10 So u	th Range	5 East.	•
	Latitudes	s, depart	ures, an	d closin	gerrors	3.
Line designated.	Bearing.	Dis tanc	e La	titudes.	Depa E.	rtures.
West bdy. (1st.Guide Mer.E	North,	480.00	480.00			
North bdy.	East,	479.30	•		479.30	
East bdy.	South,	480.00		480.00		
South bdy. (2nd.Std.Par.S.)	West,	480.00				480.00
Convergency,					.46	,
Totals			480.00	480.00	479.76	
	in latitud			- 0.00		479.76 0.24

```
31
Chains
          W.K.K.
          Survey commenced Jan. 25, 1915 entracrounce same and General the mountaintiern of the BAGE, is body, "A".
          From recent tests and observations, I know the solar
               apparatus to be in good adjustment.
          For tests of the solar apparatus on a mer. established by
                observations on Polaris, see book "E".
          At 9 h., a.m.l.m.t., I setoff 32^{\circ} 30 N. on the lat. arc;
                19° 5' S. on the decl. arc; and determine a mer. with
                the solar, at the std. cor. of Ts. 10 S., Rs.6 and 7
                E., reestablished by W.H.Thorn, U.S.Surveyor, and described in book "A".
          Thence I run
          North, between secs. 31 and 36.
          Over gradual NW. slope, through palo verde and iron wood
                timber.
          Wash, 10 lks. wide, 1 ft. deep, course, N. 80° W. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in t
37.60
40.00
             • the ground for \frac{1}{4} sec. cor., with brass cap mkd. \frac{1}{4} S 36 on W, and S 31 on E. half,
                                   1915 on 3. rim.
          No trees within limits.
          Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3\frac{1}{2} ft. base 2 ft. high
                W. of cor.
          Wash, 10 lks. wide, laft. deep, course, N. 80° W. Wash, 10 lks. wide, laft. deep, course, N. 60° W. Set an iron post3 oft. long 33ins. in diam. 24 ins. in the ground for cor. of secs. 25, 30, 31 and 36, with
43.50
50.20
80.00
                brass cap mkd.
                                   T 10 S on N. half; R 7 E. S 30 in NE.
                                   S 31 in SE.
                                   S 36 in SW and
                                   R 6 E S 25 in NW. quadrants,
                                   1915 on 3. rim.
                from which,
                     An iron wood 10 ins. in diam. brs. N. 692° E.
                           83 lks. dist. mkd. T 10 S R 7 E S 30 B T.
                     An iron wood 10 ins. in diam. brs. S. 604° E.
                           175 lks. dist. mkd. T 10 S R 7 E S 31 B T.
                     A palo verde 6 ins. in diam. brs. S 28° W.
                           138 lks dist. mkd. T 10 S R 6 E S 36 B T.
                     An iron wood 24 ins. in diam. brs. N. 27\frac{1}{2} W. 175 lks. dist. mkd. T 10 S R 6 E S 25 B T.
          Land, gentle NW. slope.
          Soil, sandy, 2nd rate.
          Timber, iron wood and palo verde.
          Undergrowth, greasewood and cacti.
          North, between Secs. 25 and 30.
          Over gradual NW. slope.
          Wash 12 1ks. wide, 1 ft. deep, course, NW. Bet an iron post 3 ft. long 1 in. in diam. 26 ins. in the
 1.20
40.00
                ground for $\frac{1}{4}$ sec, cor. with brass cap mkd. $\frac{1}{4}$ $25 on W., and
                                   S 30 on E. half,
                                  1915 on S. rim.
          No trees within limits.
          Dig pits 18 X 18 X12 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.
          Road, brs., N. 60° W. and S. 60° E. Wash, 8 kks. wide, 1 ft. deep, course, NW.
53.30
65.40
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Survey of East boundary of T.10 S. R.6 E.
chains
          Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of secs. 19, 24, 25 and 30, with
00.08
               brass cap mkd.
                                 T 10 S on N. half;
                                 R 7 E S 19 in NE.
                                 ES 30 in SE.
                                 S 25 in SW. and
                                 R 6 E S 24 in NW quadrants, and
                                 1915 on S. rim.
          No trees within limits.
          Dig ; its 18 X 18 X 12 ins. in each sec. 51 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
          Land, gentle 'NW. slope.
          Soil, sandy, 2nd rate.
          Timber, scattering palo verde and iron wood.
Undergrowth, greasewood brush
          North between secs 192 and 24. Over level land.
          Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground, for *secofor. with brass cap mkd.
40.00
                                 \frac{1}{4} S 24 on W., and
                                 S. 19 on E. half, Sant
                                 1915 on S. rim.
          No trees within limits.
         Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist. and raise a mound of earth 32 ft. base 12 it. high
          W. of core called
Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in
80.00
               the ground for cor. of secs. 13, 18, 19 and 24, with
               brass cap mkd.
                                T 10 S on N. half;
                                 R 7 E S 18 in NE.
                                 S 19 in SE.
                                 S 24 in SW. and
                                 R 6 E S 13 in NW. quadrants, and
                                 1915 on S. rim.
          No trees within limits.
          Dig pits 18 X 18 X 12 ins. in each sec. 5 to ft. dist. and
              raise a mound of earth 4 ft; base, 2 ft. high W. of
               cor.
          Land, level
          Soil, sandy loam, 1st rate.
          Timber, scattering mesquite.
          Undergrowth, greasewood brush,.
          North; between $ecs, 131 and 18.
          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. with brass cap mkd.
40.00
                                 4 S 13 on W., and
                                                       MAC A
                                 S 18 on E. half,
          1915 on S. rim.
Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist.
               and raise a mound of earth 32 ft. base 12 ft. high
               W. of cor.
          Set an iron post 3 ft. long 3 ind. in diam. 24 ins. in the ground for cor. of secs. 7, 12, 13 and 18, with brass
80.00
               cap mkd.
                                 T 10 S. on N. half; R 7 E S 7 in NE.
                                 R
                                  S 18 in SE.
                                 S 13 in SW. and
                                 R 6 E S 12 in NW. quadrants, and
                                 1915 on S. rim.
          Dig pits 18 X 18 X 12 ins. in each sec. 52 ft. dist. and
                raise a mound of earth 4 ft. base 2 ft. high W. of cor.
          I wi, level.,
Soil, sandy loom, let rate.
```

Unitergrowth, engehoush.

```
East boundary of Township 10 South, Range 6 East
 Chains.
           Land, level.
           Soil, sandy loam, 1st rate.
           Undergrowth, sage brush.
           At this cor., I set off 19°4'S. on the decl.arc; and at ap-
                parent noon, observe the sun on the meridian; the re-
                sulting latitude is 32°34' N.
           North, between secs. 7 and 12. Over level land.
17.00 High water mark of Santa Cruz reservoir.
 30.00 Edge of water in reservoir, brs.E.and W.
40.00 True point for 2 sec.cor.falls in reservoir; water about 1 ft.deep; therefore at
27.70 Set an iron post 3 ft.long, l in. in diam., 26 ins. in the ground for witness cor. to \( \frac{1}{4} \) sec.cor., with brass cap,
                                   W C on N.,
                                   S 12 on W., and
S 7 on E.half;
1915 on S.rim;
               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.
80.00 At this point, water is shallow; I therefore
          Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor.of secs.1,6,7 and 12, with brass
               cap, marked
                                   T 10 S on N.half;
                                   R 7 E S 6 in NE.,
S 7 in SE.,
                                   S 12 in SW., and
R 6 E S 1 in NW.quadrants;
                                   1915 on S.rim;
               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.
          Soil, adobe, 1st rate.
          No timber.
          Undergrowth, sagebrush.
               e: The portion of the reservoir crossed by this line is dry during all but the rainy season, as part of
               the dam has been washed away.
North, bet. secs.l and 6.
Across shallow muddy part of Santa Cruz Reservoir.
40.00 Impracticable to set 4 sec.cor. at this time on account
              of mud and water.
         of mud and water.

Set temp. ½ sec.cor. Jan. 25, 1915.

Feb. 15, 1916. This point being dry on this date, I

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

the ground for ½ sec.cor., with brass cap, marked

½ S 1 onw., and

S 6 on E.half;

1915 on S.rim;

dig pits 18x18x12 ins., N.and S.of cor., 3 ft.dist.,
and raise a mound of earth 3½ ft. base, 1½ ft. high, W.

of cor. Feb. 15.1915.
              of cor. Feb.15,1915.
              I.25, 1915. Set temp. cor. of Ts.10 S., Rs.6 and 7 E., Impracticable to set permanent cor. at this date on account of mud and water. Jan. 25, 1915.
80.00
         Jan. 25, 1915.
                                          point being dry at this da
                                        ft. long, l in.
                                                                   in diam...
                                       1 on W., and
                                          sec.cor., with brass cap,
                                         on E.half:
                                  1915 on S.rim;
              dig pits 18x18x12 ins., N.and S. of cor.3 ft.dist., and
              raise a mound of earth 32 ft. base, 12 ft. high, W. of
```

Pob. 15, 1915.

boundary of Township 10 South

Chains.

Feb.15,1915:
This point now being dry, I set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor.of Ts. 10 S., Rs.6 and 7 E., with brass cap, marked R 7 E S 6 in SE., and R 6 E S 1 in SW. quadrants; T 10 S on S.half; 1915 on S. rim; dig pits 30x24x12 ins.crosswise on each line, E. and W., 4 ft., and S. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, 2½ ft. high, S. of cor. W. K. K. Feb.15,1915.

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BOOK 2892
        Survey of South bdy, of Township 9 South, Range 6 East.
                                                                                                                                    35.
Chains.
             W.K.K.

Jan. 26, 1915: At 8h. Om. a.m., l.m.t., I set off 32°35½N.

on the lat.arc; 18°49'S.on the decl.arc; and determine
a meridian with the solar at the cor.of Ts. 9 and 10 S.,
Rs. 5 and 6 E., hereinbefore described.

Knowing from the resurvey of the 2nd. Standard Parallel
South, by W.H.T. that the S.bdy.of T.9 S., R.6 E. will
exceed 480 chs. in length, and said township being contiguous to old accepted surveys on the north and east,
necessitating the survey of the subdivision of said Tp.
from west to east, and T.10 S., R.6 E. being regular
will be subdivided from east to west in the usual man-
              W.K.K
                    will be subdivided from east to west in the usual man-
                    mer; therefore, I survey this township boundary as fol-
              From cor. of Ts.9 and 10 S., Rs.5 and 6 E., I run east on a random line, setting a temporary ½ sec.cor. at 39.50 chs. (40.00 chs.-convergency of 50 lks.) to refer to sec.6 of T.10 S., R.6 E., and at intervals of 40.00 chs. thereafter set temp.sec. and ½ sed. cors. for secs. in same township. At 40.00 chs. E. of the Tp.cor., I set temp.½ sec.cor. referring to sec.31 of T.9 S., R. 6 E., and at intervals of 40.00 chs. thereafter set temp.sec. and ½ sec.cors. for secs. in same Tp. At a
                     lows:
                    temp.sec. and 1 sec.cors. for secs.in same Tp. At a dist.of 479.30 chs. east of Tp. cor. random line intersects the temp.cor. of Ts.10 S., Rs.6 and 7 E. hereinbe-
                     fore described.
                                                                                                    W.K.K.
                                                                                                     Jan. 26, 1915.
               Feb.4,1915.
                                         W.H.T.
               Continue random line and measurement east until at 561.61
                     chs.intersect west bdy.of T.9 S.,R.7 E.,6.63 chs.south of the original 4 sec.cor. of sec.31, and 33.77 chs.
                     north of the SW. cor.of said Tp.both of which old cors. are later reestablished by me, as hereinafter described.
               At point of intersection, I set an iron post, 3 ft. long, 3 ins. in diam, 24 ins. in the ground, for SE.cor.of T.9 S., R.6 E., with brass cap, marked T.9 S.R. 6 E.S. 36 in NW. quadrant;
                                              1915 on S.rim;
                    dig pits 36x36x12 ins. on each line N. and W. of cor., 8
                      ft.dist., and raise a mound of earth, 5 ft.base, 21 ft.
                     high, NW. of cor.
                Thence I run,
                West, on a true line, on S.bdy.of sec. 36.
               Over level bed of Santa Cruz Reservoir, which was filled with water until a recent breaking of the dam, released
                                             Scattering growth of sage brush.
                      the water.
   42.31 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 1 sec.cor. to sec.6 of T.10 S., R.7 E.,
                      1915 on S.rim.
               Dig pits 18x18x12 ins., E.and W.of cor. 3 ft.dist., and raise a mound of earth 3 ft. base, 1 ft. high, S.of
                Intersect temp.cor.of Ts.10 S., Rs.6 and 7 E., Feb.4, 1915,
    82.31
                Feb. 15, 1915: W.K.K. Replace this temp. Tp.cor., with
                      iron post as hereinbefore described.
                Thence I run,
                West, on south bdy.of sec.36, continuing measurement.

Over Santa Cruz Reservoir bed.

True point for $\frac{1}{2}$ sec.cor.of sec.36 of T.9 S., R.6 E.falls
121.61
                      in mud and water. Impracticable to establish 1 sec.cor.
                at this point.
                True point for # sec.cor.of sec.1 of T.10 S., R.6 E.falls
122.31
                       in mud and water.
                 Impracticable to establish 2 sec.cor. at this point;
```

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

the ground for witness cor. to 4 sec. cors. of secs. 1 and

therefore at

36, with brass cap, marked

126.31

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South boundary of Township 9 South, Range 6 East.
Chains.
                                         WC on E., \frac{1}{4} S 36 on N., and
                                         S 1 on S half;
                                        1915 on S.rim.
            Dig pits 18x18x12 ins., E.and W. of cor., 3 ft. dist., and raise a mound of earth 31 ft. base, 11 ft. high, N. of cor. Leave bed of Santa Cruz Reservoir.
  137.41Road brs.NE. and SW.
161.61 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 35 and 36 of T.9 S., R.6 E.
                  with brass cap, marked
T 9 S R 6 E on N.half;
S 36 in NE., and
                                        S 35 in NW. quadrants;
1915 on S.rim.
             Dig pits 24x24x12 ins., NE. and NW of post, 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, N.
                  of cor.
             Land, level.
             Soil, sandy loam, 1st rate.
             No timber.
             Undergrowth, greasewood brush.
             West, on a true line, on S.bdy.of sec.35. Over level land.
   0.70 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 1 and 2, with brass cap,
                  marked
                                        T 10 S R 6 E on S.half;
                                       S 1 in SE.,
                                        S 2 in SW quadrants and
                                        1915 on S rim.
            Dig pits 24x24x12 ins. SE. and SW.of post, 6 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high,S.of
                  cor,
 6.70 Wash, 15 lks.wide, 1 ft. deep, course SE.
26.70 Wash, 20 lks.wide, 3 ft. deep, course S.
Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground for \(\frac{1}{4}\) sec.cor. to sec.35, T.9 S., R.6 E.,
                  with brass cap, marked $ 35 on N.half;
            1915 on S rim.
Dig pits 18x18x12 ins., E.and W. of cor., 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high,
                N.of cor.
 40.70 Set an iron post 3 ft.long, l in. in diam., 26 ins. in the ground for \( \frac{1}{2} \) sec.cor. to sec, 2, T.10 S., R.6 E.,
              with brass cap, marked
           S2 on S.half;
1915 on S rim.
Dig pits 18x18x12 ins., E.and W.of cor., 3 ft. dist., and raise a mound of earth 32 ft. base, 12 ft. high, S.of
61.70 Wash, 20 lks.wide, 1 ft. deep, course S.
73.30 Wash, 30 lks.wide, 3 ft. deep, course S.
80.00 Set an iron post 3 ft.long, 2 ins. in diam., 20 ins. in the ground to solid rock in a mound of stone 2½ ft.
base, 6 ins. high.for cor.of secs. 34 and 35, T.9 S.,R.
6 E., with brass cap, marked
T 9 S R 6 E on N. half;
                                        S 35 in NE., and
                                        S 34 in NW.quadrants;
                                        1915 on S.rim.
            Build a mound of stone 32 ft. base, 3 ft.high, Nof cor.
            Land, level.
            Soil, sandy loam, 1st rate.
            No timber.
            Undergrowth, greasewood brush.
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South boundary of Township 9 South, Range 6 East.
Chains.
                West, on a true line on south bdy.of sec.34. Over level land.
       0.70Set an iron post 3 ft.long, 2 ins. in diam.
                                                                                                             24 ins. in
                      the ground for cor. of secs. 2 and 3, with brass cap,
                      marked
                                               T 10 S R 6 E on S.half;
                                              S 2 in SE.,
S 3 in SW.quadrants; and
1915 on S.rim.
               Build a mound of stone 21 ft. base, 2 ft.high, S.of cor.
  Ravine, 50 lks.wide, 6 ft, deep, course S.

Over rolling land.

Set an iron post 3 ft.long, 1 in. in diam., on surface rock in a mound of stone 3½ ft. base, 2½ ft. high, for ½ sec.cor. to sec.34, T.9 S., R.6 E., with brass cap,
                     marked
                     $ 34 on N.half;
1915 on S.rim;
build a mound of stone 32 ft. base, 3 ft. high, N.of
                     cor.
  Ascend steep rocky E. slope.

Set an iron post 3 ft.long, 1 in. in diam., on surface rocky in a mound of stone 3 ft.base, 2½ ft. high, for 2 sec.cor. to sec.3, T.10 S., R.6 E., with brass cap,
                     marked
  $\frac{1}{4}$ S $\frac{3}{5}$ on S.half;, and $\frac{1}{915}$ on S.rim.

Build a mound of stone $2\frac{1}{2}$ ft. base, 2 ft.high, S.of cor.

48.70 Cliff about 125 ft. high, brs.N.and S.

50.90 Top of hill, 300 ft.high, brs.N.and S.

Descend: NW slope 137 ft. to
  Descend NW. slope, 137 ft. to
61.70 Ravine, 20 lks.wide, 3 ft. deep, course N.
Ascend steep rocky E. slope, 250 ft. to
68.20 Top of spur ridge, brs.NE. and SW.
Descend steep west slope, 319 ft. to
  77.70 Change to N.slope.
80.00 Set an iron post 3 ft.long, 2 ins. in diam., 8 ins. in the ground to solid rock, in a mound of stone, 2 ft.
                     base, 1\frac{1}{2} ft. high, for cor. of secs. 33 and 34,
              R.6 E., with brass cap, marked,

T 9 S R 6 E on N.half;

S 34 in NE., and

S 33 in NW. quadrants;

1915 in S.rim.

Build a mound of stone, 32 ft. base, 3 ft. high, N. of cor.

Fand mountainous and rolling.
               Land, mountainous and rolling.
               Soil, stony, 3rd and 4th rate.
               No timber.
               Undergrowth, greasewood brush and cacti.
              West, on a true line, on south bdy of sec. 33. Along N.slope of mountain.
    0.70 Set an iron post 3 ft.long, 2 ins. in diam., on surface rock, in a mound of stone 3 ft. base, 3 ft. high, for cor. of secs. 3 and 4,T.10 S.,R.6 E., with brass cap,
                      marked
                                              T 10 S R 6 E on S.half;
   S 3 in SE., and
S 4 in SW.quadrants;
1915 on S rim.
Build a mound of stone 3 ft.base, 3 ft.high, S.of cor.
4.70 Descend west slope, 134 ft.to
  15.70 Foot of descent.
 Thence over rolling land.
21.70 Wash, 30 lks.wide, 3 ft. deep, course S.
39.70 Change to gently rolling land.
40.00 Set an iron post 3 ft.long, 1 in. in diam., 8 ins. in the ground to solid rock, in a mound of stone 3 ft. base,
                    1\frac{1}{2} ft. high for \frac{1}{4} sec.cor. to sed. 33,T.9 S.,R.6 E.,
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152

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South boundary of Township 9 South, Range 6 East.
Chains.
  with brass cap, marked

1 S 33 on N.half;
1915 on S.rim.

Build a mound of stone 3 ft.base, 2 ft.high, N.of cor.

Set an iron post 3 ft.long, 1 in. in diam., 6 ins. in the ground, to solid rock, in a mound of stone 2 ft.base,

2 ft high for 3 sec cor to sec 4 7 10 S R 6 F W
                      2 ft.high, for a sec.cor., to sec.4, T.10 S., R.6 E., with
                      brass cap, marked
   The ground for cor. of seus. 32 and 33, T.9 S., R.6 E.,

with brass cap, marked

1 S 4 on S. half;
1915 on S.rim.
Build a mound of stone 3 ft.base, 2 ft.high, S. of cor. of seus. 2 ft.high, S. of cor. of seus. 32 and 33, T.9 S., R.6 E.,

with brass cap marked
                     with brass cap, marked
T 9 S R 6 E on N half;
                                               S 33 in NE., and
S 32 in NW. quadrants;
                                               1915 on S.rim;
                      build a mound of stone 3½ ft. base, 2½ ft. high, N. of
                Land, rolling.
                Soil, sandy and rocky, 3nd and 4th rate.
                No timber.
                Undergrowth, greasewood brush and cacti.
                West, on a true line, on S. bdy.of sec.32. Over level land.
     0.70 Set an iron post 3 ft.long, 2 ins. in diam., 20 ins. in the ground to solid rock in mound of stone 2 ft. base,
                      1 ft. high, for cor. of secs. 4 and 5, T.10 S., R.6 E.,
                      with brass cap, marked
T 10 S R 6 E on S.half;
                                               S 4 in SE.,
S 5 in SW. quadrants;
                                               1915 in S rim;
   build a mound of stone 3 ft.base, 3 ft.high, S.of cor.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 6 ins. in
the ground, to solid rock, in a mound of stone 2½ ft.
base, 20 ins. high, for ½ sec.cor., to sec.32, T.9 S.,
R.6 E., with brass cap, marked
   1 S 32 on N.half;
1915 on S.rim.
Build a mound of stone 2½ ft. base, 2½ ft. high, N, of cor.
Set an iron post 3 ft.long, 1 in. in diam., 15 ins. in
the ground, to solid rock, in a mound of stone, 2 ft.
base 1 ft. high, for ½ sec.cor. to sec.5, T.10 S., R.6
                      E., with brass cap, marked
                                               S 5 on S.half; and 1915 on S.rim,
   Build a mound of stone 2\frac{1}{2} ft. base, 2 ft. high, S. of cor. Set an iron post 3 ft.long, 2 ins. in diam., 20 ins. in the ground to solid rock, in a mound of stone, 1\frac{1}{2} ft. base, 6 ins. high for cor. of secs. 31 and 32 T.9 S., R. 6 E., with brass cap, marked

T 9 S R 6 E on N. half,
                                               S 32 in NE., and
S 31 in NW. quadrants;
1915 in S rim.
                 Build a mound of stone 21 ft. base, 2ft. high, N. of cor.
                 Land, level.
                 Soil, stony, 3rd rate.
                 Timber, scattering palo verde; undergrowth, greasewood.
                 West, on a true line, on S.bdy.of sec.31. Over level land.
    O.70 True point for cor.of secs. 5 and 6, T.10 S., R.6 E., falls in wash, 15 lks.wide, 2 ft.deep, course N.70 °W.; there-
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South boundary of Township 9 South. Range 6 East. Chains. fore at 2.05 Set an iron post 3 ft.long, 2 ins. in diam., 15 ins. in the ground, to solid rock, in a mound of stone, 2 ft. base, 1 ft. high, for witness cor.to cor.of secs. 5 and 6, T.10 S., R.6 E., with brass cap, marked WCT10 SR6 E on S.half; S 5 in SE., S 6 in SW.quadrants; 1915 in S rim.

Build a mound of stone, 3 ft. base, 2 ft.high, S.of cor.

Wash, 10 lks.wide, 1 ft. deep, course SW.

Set an iron post 3 ft.long, 1 in. in diam., 18 ins. in the ground to solid rock, in a mound of stone 1½ ft. the ground to solid rock, in a mound of stone lt ft.

base, lt ft. high, for t sec.cor. to sec.31, T.9 S.,R 6

E., with brass cap, marked

1 S 31 in N.half;

1915 on S.rim.

Build a mound of stone 3 ft. base, 2t ft. high, N. of cor.

Set an iron post 3 ft.long, 1 in. in diam., 18 ins. in

the ground to solid rock, in a mound of stone, 2 ft.

base, 1 ft. high, for t sec.cor.to sec.6,T.10 S.,R.6 E

with brass cap, marked,

1 S 6 on S.half,

1915 on S.rim. Dig pits 18x18x12 ins., E.and W.of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, S.of cor. Cor.of Ts.9 and 10 S., Rs.5 and 6 E., established by me, and hereinbefore described. Land, level. Soil, stony, 2nd rate for E. half mile; remainder sandy loam, 2nd rate. Undergrowth, greasewood and cacti. No timber. W.K.K. Jan. 26, 1915. Boundaries of T. 10 S., R.6 E. Latitudes, departures, and closing errors.

Lines de	signated.	Bearing	Dist.	Lati	tudes.	De par tu	
1	F. j. r	. ,		N.	s.	Ε.	W.
West Tp.	bdy.	North,	480.00	480.00			
	.bdy.~	East,	479.30			479.30	
East Tp.	bdy	Sou t h	480.00		480.00		
South Tp		West,	480.00	•			480.00
(2nd.Std	.Par.S.)	-					
Converge	ncy,					.46	
Totals.			-	480,00	480.00	479.76	480.00
	,				480.00		479.76
	Error	in latitud	le		0.00		
	Error	in departi	ure			-	0.24
						-	

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Retracement of the West bdy.of Township 10 S.R. 8 E.
Chains.
           W.H.T.
           Retracement commenced Feb. 9,1915.
Feb. 7,1915, I examine the adjustments of the transit, and correct the level and collimation errors. Then to test
                  the solar apparatus by a.m. and p.m. observations on a
                 meridian established by observations on Polaris, I pro-
                 ceed as follows:
            At a point near camp on sec. 15, T. 10 S., R.7 E., at 10h., 19m. a.m., 1.m.t., I observe Polaris at Eastern elongation in accordance with instructions in the Manual, and
                 lay off the azimuth of Polaris 1°21'to the west, and mark the meridian thus determined by a rod set on line
                  10 chs. N. of my station.
           At 10h.30m., a.m., l.m.t., I set off 32°33'N.on the lat.arc; 15°28'S. on the decl.arc, and determine a meridian with the solar. The meridian thus determined coincides
                  with the meridian established by observations on Polar-
            At 3h. p.m., l.m.t., I set off 32° 33'N. on the lat.arc; 15°23'S.on the decl.arc, and determine a meridian with
                  the solar. The meridian thus determined coincides with
                  the meridian established by observations on Polaris. I
                  therefore conclude that the adjustments of the transit
                  and solar attachment are satisfactory. Feb. 7, 1915
            Feb. 9, 1915. At 9h. a.m., l.m.t., I set off 32° 30½ N.on the lat.arc; 14°50'S. on the decl.arc; and determine a meridian with the solar at the standard closing cor.
                  of T.10 S., R.8 E., which is an iron post, 3 ins. in diam., with brass cap, properly set, marked and witnessed as described by the Surveyor General. Change
                                                                                                        Change
                  this cor. to standard cor. of T.10 S., R.8 E. (SW.cor.) by obliterating the markings "C C R 7 E S 36" in W.half: of
             brass cap. Thence I run,
            N.0°20'E. on random line on W.bdy.of sec.31.

Fall 1 lk. E.of Std.closing core of T.10 S., R.7 E. set by me in resurvey of the 2nd. Standard Parallel South, as described in Book "A."

Fall 1½ lks.E.of ½ sec.cor., which is an iron post 1 in.
29,75
40.03
                   in diam., properly set, marked and witnessed as de-
                 scribed by the Surveyor General.
            True course and dist.of S.half of W.bdy.of sec.31 is therefore N.0° 19'E., 40.03 chs.
Continue random line and measurement on N.½ of W.bdy. of sec.31.
Fall 2 lks.E.of cor.of secs. 30 and 31, which is an iron-
80.04
                  post 3 ins. in diam., properly set, marked and witnessed as described by the Surveyor General. I obliterate markings on west half of brass cap, which
                refer to T.10 S.,R.7 E.
             True course and dist. of N. 2 of W. bdy. of sec. 31 is there-
                   fore N. 0°19'E., 40.01 chs.
            From cor. of secs. 30 and 31, I run,
N.0° 20'E., on random line, on W.bdy. of sec. 30.
Fall 3 lks. W. of 4 sec. cor., which is an iron post 1 in.
in diam., properly set, marked and witnessed as described by the Surveyor General.
40.00
             True course and dist. of S. 2 of W.bdy.of sec. 30 is there-
                   fore N.O° 23'E.,40.00 chs.
             Continue random line and measurement on N.half of W. bdy.
             of sec.30.
Fall 3 lks.W.of cor.of seds. 19 and 30, which is an iron
80.04
             post 3 ins. in diam., properly set, marked and witnessed as described by the Surveyor General.

I obliterate markings on W.half of brass cap, which refer to T.10 S., R.7 E.
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BOCK 2892

Retracement of the West bdy of Township 10 S. Chains. True course and distance of N. 2 of W. hdy. of sec. 30 is therefore N.O°20'E., 40.04 chs. From cor. of secs. 19 and 30, I run, N.0°20'E. on a random line on W.bdy.of sec.19. Fall 12 lks.E.of the 2 sec.cor., which is an iron post, l 40.02 in. in diam., properly set, marked and witnessed as described by the Surveyor General.

True course and dist. of S. of W.bdy. of sec. 31 is therefore N.O° 10'E., 40.02 chs. Continue random line and measurement on N.half of W.bdy. of sec.19. Intersect the cor. of secs. 18 and 19, which is an iron post 3 ins. in diam., properly set, marked and witnessed as described by the Surveyor General. I obliterate mark-80.03 ings on W.half; of brass cap, referring to T.10 S., R.7 True course and dist. of $N.\frac{1}{2}$ of W.bdy.of sec.19 is therefore N.0°30'E., 40.01 chs. From cor. of secs. 18 and 19, I run,
N.0°20'E., on a random line of W bdy. of sec. 18.
Fall 6 1ks. W. of the \(\frac{1}{2}\) sec. cor., which is an iron post 1 39.99 in. in diam., properly set, marked and witnessed as described by the Surveyor General.

True course and dist. of S. of W.bdy. of sec. 18, is therefore N.O° 25'E., 39.99 chs.

Continue random line and measurement on N of W.bdy. of sec.18. Fall 10 lks.west of the cor.of secs.7 and 18, which is an iron post 3 ins.in diam., properly set, marked and witnessed as described by the Surveyor General. 80.00 I obliterate markings on west half of brass cap referring to T.10 S., R.7 E. True course and dist. of N. of W. bdy. of sec. 18 is therefore N. 0° 24'E., 40.01 chs.
At this cor. I set off 14°48'S. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat.is 32° 34' N. From cor.of secs. 7 and 18, I run, N.O° 20' E. on random line on W.bdy.of sec. 7. 40.05 Fall 2 lks.east of the 2 sec.cor., which is an iron post l in. in diam., properly set, marked and witnessed as described by the Surveyor General.

True course and dist.of S. of W.bdy.of sec. 7, is therefore N.O° 18'E., 40.05 chs. Continue random line and measurement on N.half of W.bdy. of sec.7.
Fall 1 lk.west of the cor.of secs.6 and 7, which is an iron post 3 ins. in diam., properly set, marked and witnessed as described by the Surveyor General. I 80.05 obliterate markings on west half of brass cap, referring to T.10 S., R.7 E. True course and dist. of N. 2 of W. bdy. of sec. 7, is therefor N.0° 23'E., 40.00 chs. From cor. of secs. 6 and 7, I run, N.O° 20' E. on a random line, on W.bdy. of sec. 6. Fall 1 lk. West of the \(\frac{1}{4}\) sec.cor., which is an iron post 1 in. in diam., properly set, marked and witnessed as 39.98

described by the Surveyor General.

True course and dist. of S.half of W.bdy.of sec.6 is therefore N.0°21'E., 39,98 chs.

Continue random line and measurement on N.½ of W.bdylof sec.6.

78.17

Fall 3 lks.W.of the cor.of Ts.9 and 10 S.,Rs.7 and 8 E., which is an iron post 3 ins. in diam.,properly set, marked and witnessed as described by the Surveyor General.

True course and dist. of N.½ of W.bdy.of sec.6 is therefore N.0°22'E., 38.19 chs.

W.H.T.
Feb. 9, 1915.

		740
Patron	ement of South bdy.of Township 9 S., R. 7 E. 43.	
Chains		
	T.H.W.	
	Retracement commenced Feb. 9, 1915, and executed as fol-	
	lows:	
	At 3h. p.m., l.m.t., I set off 32° 35½'N. on the lat.arc; 14°46'S.on the decl.arc, and determine a meridian with	
	the solar at the cor. of Ts. 9 and 10 S., Rs. 7 and 8 E.,	
	hereinbefore described.	1
	Thence I run.	
	West, on a random line, on S.bdy.of sec.36.	
40.08	Fall 69 lks. N. of the original 1 sec. cor., which is an old	
	mesquite post, 3 ins. square, 3 ft. long, on top of	
	ground. Mound and pits still visible.	
	True course and dist. of E.half of S. bdy. of sec. 36 is therefore S.89° 01'W., 40.09 chs.	
	Continue random line and measurement on W.half of S.bdy.	
	of sec.36.	
80.42	Fall 103 lks.N.of the original cor. of secs. 1,2,35 and 30	þ ,
,	which is an old mesquite post 3 ins. square, 3 ft. long	₹,
	on top of ground. Pits and mound still visible. True course and dist. of W. 2 of S.bdy. of sec. 36 is there	1
	fore 5.89° 30'W., 40.34 chs.	
, ,	Feb. 9, 1915.	
•	1	
,	7.1.70.7075	
	Feb. 10, 1915.	
	From original cor. of secs. 1,2,35 and 36, I run, West. on a random line, on S.bdy.of sec.35.	
40.39	Fall 120 lks.N.of original 2 sec.cor., which is an old	
7000	mesquite post, 3 ins. in diam., 3 ft.long, on top of	
	ground. Pits and mound still visible.	
	True course and dist. of E. 2 of S. bdy. of sec. 35 is there-	
	fore S.88°,18'W., 40.41 chs.	
	Continue random line and measurement on W.half of S.bdy. of sec. 35.	ľ
80.54	Fall 15 lks. N of original cor. of secs. 2,3,34 and 35,	
	which is an old mesquite post 3 ft. long, 3 ins. in	
	diam diam Pits and mound still visible.	
	True course and distance of W.half of S.bdy.of sec.35 is	
	therefore \$.89° 31'W., 40.15 chs.	
	From original cor. of secs. 2,3,34 and 35, I run,	
'	West, on a random line on S.bdy.of sec.34.	
40.00	After diligent search, find no trace of the original	ŀ
	sec.cor. Set temp. sec.cor., and continue random line and meas-	
	rement.	
80.00	After diligent search, find no trace of the original cor.	
	of secs. 3,4,33 and 34. Set temp.cor.of secs. 33 and 34.	
, ,	Set temp.cor.of secs. 33 and 34.	
	From temp.cor. of secs. 33 and 34, I run,	
	West, on a random line, on S.bdy.of sec.33.	-
40.00	After diligent search, find no trace of the original 2	
	sec.cor.	
	Set temp. sec. cor., and continue random line and measurement.	
81.60	Fall 8 1ks.S.of the original cor.of secs.4,5,32 and 33,	
1	which is an old mesquite post 4 ins.square, 3 ft. abov	e
	ground. Pits and mound not visible.	
	True course and dist. from original cor. of secs. 2,3,34	
	and 35 to this com. is therefore N. 89° 58' W.,161.60 chs.; therefore the south boundaries of secs. 34 and 3	z
	are each N.89° 58' W., 80.80 chs.	۲
	The state of the s	

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acement of South bdy of Township 9 South Range 7 East
Chains
              From original cor. of secs. 4,5,32 and 33, I run, West, on a random line, on S.bdy. of sec.32.

After diligent search, find no trace of the original 2
40.00
                    sec.cor.
               Set temp. 1 sec. cor., and continue random line and measure-
                    ment.
              After diligent search, find no trace of the noriginal cor. of secs. 5,6,31 and 32.
Set temp.cor.of secs. 3land 32.
80.00
              From temp, cor. of secs. 31 and 32, I run,
West, on a random line, on S.bdy. of sec.31.
After diligent search, find no trace of original a sec.cor.
 40.0Q
               Set temp. sec.cor., and continue random line and measure
                    ment.
              Fall 44 lks. N. of the original cor. of Ts. 9 and 10 S. Rs. 6 and 7 E., which is a mesquite post 3 ft. long, 3 in square, properly set and marked; pits and mound not
 81.13
                                                                                                                       3 ins.
                     visible.
               True course and dist. from original cor. of secs. 4,5,32 and 33 to this cor. is therefore S.89°51'W.,161.13 chs. Therefore, the south boundaries of secs. 32 and 31, by proportional measurement will be S.89°51'W., 80.82 chs. and S.89°51'W., 80.31 chs. respectively.

W.H.T.
                                                                                              Feb. 10, 1915.
               RESURVEY of SOUTH BDY. OF TOWNSHIP 9 SOUTH, RANGE 7 EAST.
               W.H.T.
               Resurvey commenced Feb.11,1915, and executed as follows: Feb.11, 1915: At 8h. a.m., l.m.t., I set off 32°35½N.on the lat.arc; 14°12'S.on the decl.arc; and determine a meridian with the solar at the cor. of Ts.9 and 10 S.
                     Rs. 7 and 8 E., an iron post with brass cap, marked and witnessed as described by the Surveyor General.
                Thence I run, as per results of retracement, hereinbefore
                      described.
               S.89° 1'W., on a true line, on S bdy.of sec.36 (E_{E}^{1}). Over level land, subject to overflow, through scattering
                      undergrowth.
                Intersect original 2 sec.cor., hereinbefore described,
 40.09
                     which I destroy, and in the same place set an iron post 3 ft.long, 1 in.in diam., 26 ins. in the ground
                      for reestablished 4 sec.cor. referring to sec. 36 only,
                      with brass cap, marked

1 S 36 on N.half;
1915 on S.rim;
                      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 I run,

S.89° 30'W., on a true line, on S.bdy.of sec.36 (W1).

Intersect original cor.of secs. 1,2,35 and 36, here in before described, which I destroy, and in the same place set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for reestablished cor.of secs.35 and 36
  40.34
                      only, with brass cap, marked

T 9 S R 7 E on N.half;

S 36 in NE., and

S 35 in NW. quadrants;

1915 on S.rim;
                      dig pits 24x24x12 ins., NE. and NW. of post, 6 ft. dist., and raise a mound of sarth 4 ft. base, 2 ft.high,
                       N, of cor.
                                        covered with silt from recent heavy rains.
                Land, level, covered with si
Soil, sandy loam, 1st rate.
                                                                          No timber.
                 Undergrowth, greasewood brush.
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Resurvey of South bdy.of Township 9 South Range 7 East
Chains
             S.88°18'W., on a true line on S.bdy.of sec.35 (E_{2}^{1}). Over level land, through scattering undergrowth.
              Intersect original 2 sec.cor., hereinbefore described, which I destroy, and in the same place set an iron post 3 ft.
40.41
                   long, 1 in. in diam., 26 ins. in the ground for reestablished a sec.cor., referring to sec.35 only, with brass cap, marked a S 35 on N.half;
                   alg put old pits, lox lox lox lox lox losses. E.and 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. Thence I run,
             S.89°31'W., on a true line on S.bdy.of sec.35 (W1).
Intersect original cor.of secs.2,3,34 and 35,hereinbefore described, which I destroy, and in the same place set
40.15
                   described, which I destroy, and in the same place an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for reestablished cor.of secs.34 and 35
                   only, with brass cap, marked T 9 S R 7 E on N. half;
                                           S 35 in NE., and
S 34 in NV. quadrants;
1915 on S rim;
                   dig pits 24x24x12 ins: NE. and NW. of post, 6 ft. dist.
                   and raise a mound of earth 4 ft. base, 2 ft.high, N.of
                   cor.
             Land, level. Soil, adobe, 1st rate.
              No timber.
              Undergrowth, scattering mesquite and greasewood brush.
             N.89° 58'W., on a true line, on S.bdy. of sec. 34. Over level land, through scattering undergrowth.
              (Proportional dist.) Set an iron post 3 ft.long, 1 in. in diam., 26 ins, in the ground for reestablished 1 sec. cor.,
40.40
                   feferring to sec. 34 only, with brass cap, marked 2 S 34 on N.half; 1915 on S.rim;
                    dig pits 18 \times 18 \times 12 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.
                   coportional dist.) Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 33 and 34 only, with brass cap, marked,

T 9 S R 7 E on N.half;
S 34 in NE., and
S 33 in NW.quadrants;
1915 on S.rim;
dir nits 24x24x12 ins. NE. and NW of post 6 ft dist. and
80.80
              (Proportional dist.)
                   dig pits 24x24x12 ins.NE. and NW.of post,6 ft.dist.,and raise a mound of earth 4 ft.base,2 ft.high,N.of cor. ad,level. Soil, adobe, 1st rate.
              Land, level.
              Timber, scattering mesquite.
              Undergrowth, mesquite and greasewood brush.
            N.89°58'W., on a true line, on S.bdy.of sec.33.

Over level land, through scattering undergrowth.

Wash, 20 lks.wide, 2 ft.deep, course N.70°W.

(Propertional dist.) Set an iron post, 3 ft.long, 1 in.in diam.
15.40
40.40
                    26 ins.in the ground, for reestablished 4 sec.cor., re-
                    ferring to sec. 33 only, with brass cap, marked a S 33 on N. half; 1915 on S.ram; from which
                                                                         from which
                                 A mesquite, 18 ins.indiam., brs.S.25°W.,114 lks.
                                       dist., marked B T.
              No other trees within limits; dig pits 18x18x12 ins.E. and W. of cor., 3 ft. dist., and raise a mound of earth 3 ft. base, 12 ft. high, N. of cor.
A hut, 14x16 ft. made of cactus ribs, brs. S. 2 chs. dist.
40.90
              Enter corral 3.60 chs.wide, 5 chs.long.
 43.10
              Old well, about 100 ft. deep, brs.S. about 1 ch.dist.
 43.20
              Unable to ascertain who made improvements.
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esurvey of South bdy of Township 9 South Range 7 East
Chains.
             Intersect original cor.of secs. 4,5,32 and 33, hereinbefore described, which I destroy and in the same place set an iron post 3 ft.long, 3 ins. in diam.,24 ins. in the ground, for reestablished cor.of secs.32 and 33 only,
80.80
                   with brass cap, marked
T 9 S R 7 E on N.half;
S 33 in NE., and
                                          S 32 in NW quadrants;
                                          1915 on S.rim;
                   dig pits 24x24x12 ins., NE. and NW. of post, 6 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high, N.of
                   cor.
              Land, level.
              Soil, adobe, 1st rate.
              Timber, scattering mesquite.
                                                                        Undergrowth, mesquite, and
                   greasewood brush.
              S.89°51'W., on a true line, on S.bdy.of sec.32. Over level land, through scattering undergrowth.
              (Proportional dist.) Set an iron post 3 ft.long,l in.in diam., 26 ins.in the ground for reestablished \( \frac{1}{4} \) sec.cor referring to sec. 32 only, with brass cap, marked
40.41
                                        1 S 32 in N.half;
1915 on S.rim;
              dig pits 18x18x12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor. (Proportional dist.) Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished cor. of secs. 31 and 32 only, with brass cap, marked T 9 S R 7 E on N. half;
80.82
                                          S 32 in NE., and
S 31 in NW.quadrants;
                                           1915on S.rim;
                   dig pits 24x24x12 ins., NE. and NW. of post 6 ft.dist., and raise a mound of earth 4 ft.base, 2 ft.high, N. of
                    cor.
              Land, level. Soil, adobe, 1st rate. Timber, scattering mesquite.
              Land, level.
              Undergrowth, mesquite, and greasewood brush.
              S.89°51'W., on a true line, on S bdy. of sec. 31.
Over level land, through scattering undergrowth.
              Wash, 25 lks.wide, 3 ft.deep, course N.70°W.

(Proportional dist.) Set an iron post, 3 ft.long, l in. in diam., 26 ins.in the ground for reestablished 4 sec.cor., referring to sec.31 only, with brass cap, marked

2 S 31 on N.half;

1915 on S.rim;

dig pits 18x18 ins. E. and W. of cor. 3 ft. dist.
   2.50
 40.41
                    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.
               Intersect original cor. of Ts. 9 & 10 S., Rs. 6 & 7 E., herein-
 80.31
                    before described. Knowing from the closing of the 2nd
                    Standard Parallel S.against the W.bdy.of T.10 S., R.8 E.,
                    that this cor.will now refer to T.9 S.R.7 E.only, I destroy the old cor., and in the same place set an iron post 3 ft.long, 3 ins.in diam., 24 ins.in the ground, for reestablished cor. of Ts.9 S., R.7 E.only (SW.cor.) with
                    brass cap, marked
                                           T 9 S R 7 E S 31 in NE.quadrant; 1915 on S.rim;
               dig pits 36x36x12 ins., E.and N.of cor. 8 ft.dist., and raise a mound of earth 5 ft.base, 2 ft.high, NE.of cor. Land, level. Soil, adobe, 1st rate.
               No timber. Undergrowth, mesquite & low sage brush.
               This entire Tp.line has been covered by water from a depth of a few inches to 2 ft.during the recent rain
                     storm, when the dam in the Santa Cruz Reservoir broke
                     flooding this area, and leaving the ground in many
                     places covered with silt, several inches deep.
                                                                                          W.H.T.
                                                                                          Feb. 11, 1915.
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Boundaries	of	Township	n - 10	South	Range	7 East
DOMINGTICS	Q.I.	TOMINGITE	$\sigma = \sigma$	DOMINIT.	TIGHTER	1 Days

T - 4 : 4 - 3	A	~~ A	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	G 200 G 20 G
LIBETT THOUSE	departures	24.F1 ()	CIOSIAE	errors.
		~~~	~~~~~	

Line	des	igna ted	Bearing	Distanc		udes.	Departu	res.
					N.	S.	E.	7.
West			North,	480.00	480.00			
North	Tp		East, South N.89°51'E. S.89°58'E. N.88°18'E. N.88°30'E. N.89°01'E.	82.31 33.77 161.13 161.60 40.15 40.41 40.34 40.09	.42 .34 1.20 .35	33.77 .09	82.31 161.13 161.60 40.15 40.39 40.34 40.08	
East	Tp.	,	S.0°22'W. S.0°21'W. S.0°23'W. S.0°24'W. S.0°25'W. S.0°30'W. S.0°10'W. S.0°23'W. S.0°23'W.	38.19 39.98 40.00 40.05 40.01 39.99 40.01 40.02 40.04 40.00 50.29		38.19 39.98 40.00 40.05 40.01 39.99 40.02 40.04 40.00 50.29		244718 952378 22222371222
South (2nd	Tr Std	.bdy. .Par.S)	West,	563.94		·		563.94
Conve	rge		No. of the last of				.52	
		Tot	als,		483.00	482.44	566.52	
					482.44	·		566.52
	•		or in lati or in depa		0.56	•	1	0.20

162

Feb. 20, 1915. At this 2 sec.cor. at 9h. a.m., 1.m.t., I set off 32° 38'N.on the lat.arc; 11°7'S.on the decl.

	trac	ement of the West bdylof Township 9 South Range 7 E. 19
	ins	
41	0.36	are; and determine a meridian with the solar.  Thence I run, North, on random line, on N. half of W. bdy. of sec. 18.  Fall 1 lk.east of original cor. of secs. 7,12,13 and 18,    which is a mesquite post, 3 ins. square, 24 ins. above ground, firmly set marked and witnessed, as described by the Surveyor General.  True course and dist. of N. half of W. bdy. of sec. 18 is therefore N. 0° 1'W., 40.36 chs.
4	i	From original cor.of secs. 7,12,13 and 18, I run, North, on a random line, on W.bdy.of sec. 7. Fall 4 lks.W. of original 1 sec.cor., which is a mesquite post, 3 ins. square, 24 ins. above ground, firmly set, marked and witnessed as described by the Surveyor General.
8	o.68	True course and dist. of So of W. bdy. of sec. 7 is therefore N. 0°3'E., 40.36 chs. Continue random line & measurement Fall 14 lks. E of original cor. of secs. 1, 6, 7 and 12, which is a mesquite post, 4 ins. square, 3 ft. long, broken
		off, lying on ground, marked and witnessed as described by the surveyor general.
	•	True course and distance of N.2 of W.bdy.of sec.7, is therefore N.0° 15'W., 40.32 chs.
, ,		From original cor. of secs.1, 6, 7 and 12, I run, North, on a random line, on W.bdy. of sec.6.
4	0.24	rall 22 lks.E.of original 4 sec.cor., which is a mesquite post badly decayed, alongside of which is set a redwood post badly decayed, properly set and correctly marked.
		therefore N.0°19'W., 40.24 chs. Continue random line and measurement on N.half of W. bdy.
3	30.46	of sec.b. Fall 14 1ks.west of original cor.of Ts. 8 and 9 S.,Rs. 6 and 7 E., which is a mesquite post 4 ins, square, 3 ft. above ground, correctly marked as described by the
		Surveyor General, with sawed pine post, 4 lns. square, 3 ft. above ground set alongside.  True course and dist. of north half of west bdy.of sec.6 is therefore N.0°31'E.,40.22 chs.  At this cor. I set off 11°4'S.on the decl.arc; and at apparent noon, observe the sun on the meridian; the re-
,		sulting lat.is 32° 40'N. W.H.T. Feb.20,1915.

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Resurvey of West bdy of Township 9 South Range 7 East
Chains.
            W.H.T.
            Resurvey commenced Feb. 20,1915, and executed as follows: From the reestablished cor. of T.9 S., R.7 E., (Sw.cor.)
            hereimbefore described, I run, as per results of retracement, hereinbefore described,
North, on a true line along W.bdy.of sec.31 (S2).
Over level land, through scattering undergrowth.
23.45 Wash, 25 lks.wide, 3 ft. deep, course W.
33.77 Intersect cor.of T.9 S., R.6 E. (SE.cor.)hereinbefore de-
                  scribed.
40.40 Intersect old sec.cor., which I destroy, and in the same place set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished sec.cor.,
                 referring to sec. 31 only, with brass cap, marked \frac{1}{4} S 31 on E.half; 1915 on S.rim; 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, E.
                  of cor.
            Thence I run,
N.0°53'E., on a true line on W.bdy.of sec.31 (N½).

40.16 Intersect original cor.of secs.25,30,31 and 36, which I destroy, and in the same place set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished cor.of secs.30 and 31 only, with brass cap,
                  marked
                                         T 9 S R 7 E S 30 in NE., and S 31 in SE.quadrants; 1915 on S rim.
            Dig pits 24x24x12 ins. NE. and SE. of post, 6 ft. dist.,
                  and raise a mound of earth 4 ft. base, 2 ft. high. E. of
                  cor.
            Land, level.
            Soil, sandy adobe, 1st rate.
            No timber.
            Undergrowth, scattering mesquite.
            North, on a true line on W.bdy.of sec.30 (S_2^1).
            Over level land, through scattering undergrowth.
15.00 Enter greasewood brush, brs.E.and W.
40.37 Intersect original \(\frac{1}{4}\) sec.cor., which I destroy, and in the same place, set an iron post 3 ft.long, l in. in diam., 26 ins.in the ground for reestablished \(\frac{1}{4}\) sec.cor.
                  referring to sec. 30 only, with brass cap, marked $\frac{1}{2}$ S 30 on E.half;

1915 on S.rim;
                  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, E.
                  of cor.
  Thence I run,
N.0°4' W., on a true line, on W.bdy.of sec.30, (N.\frac{1}{2}\)
4.33 Santa Cruz Reservoir dam, brs.N.84\frac{1}{2}\)
Spillway at E.end of dam, brs.E.2 chs.dist.
                                                                                                        (N.글).
12.18 Canal from spillway, 60 lks.wide, 3 ft. deep, course N.
40.32 Intersect originalcor.of secs.19,24,25 and 30, which I destroy, and in the same place set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished cor.of secs. 19 and 30 only, with brass cap,
                  marked
                                          T 9 S R 7 E S 19 in NE., and
                                         S 30 in SE. quadrants;
                                         1915 on S.rim;
                  dig pits 24x24x12 ins. NE. and SE.of post 6 ft. dist.,
                  and raise a mound of earth 4 ft.base, 2 ft.high, E. of
                  cor,
            Land, level.
            Soil, adobe, 1st rate.
            No timber.
            Undergrowth, greasewood brush and mesquite.
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survey of West boundary of Township 9 South Range 7 East.
chains.
            N. 0° 23' E., on a true line, on W. bdy.of sec. 19 (S_2^1).
            Over level land, through dense undergrowth.
            Intersect original ½ sec.cor., which I destroy, and in the same place, set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished ½ sec.cor., re-
40.30
                 ferring to sec. 19 only, with brass cap, marked 2 S 19 on E. half;
                                      1915 on S. rim:
                 dig pits 18x18x12 ins., N.and S.of cor., 3 ft. dist., and raise a mound of earth 3x ft. base, 1x ft. high, E.
                 of cor.
            Thence I run,
            N.0°4'E., on a true line, on W.bdy.of sec.19, (N.½). Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for reestablished cor. of secs. 18 and 19
40.36
                 only, with brass cap, marked
T 9 S R 7 E S 18 in NE., and
S 19 in SE.quadrants;
                                     1915 on S. rim.
                 dig pits 24x24x12 ins., NE. and SE. of post, 6 ft. dist., and raise a mound of earth 4 ft base, 2 ft.high, E. of
                 cor.
            Land, level.
            Soil, adobe, 1st rate.
            No timber.
            Undergrowth, greasewood brush and scattering mesquite.
                     N. 0° 4' E., on true line, on west bdy.of sec.18 (St).
            Over level land, through dense undergrowth.

Leave greasewood brush, brs. E and W.

Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished 1 sec.cor., referring
15.00
40.36
                 to sec. 18 only, with brass cap, marked

$\frac{1}{2}$$ $18 on E.half;

$\frac{1}{2}$$ $1915 on S.rim;

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, E.of
                  cor.
             Thence I run,
            N.0°1'W., on a true line, on W. bdy. of sec. 18, (N+). Intersect original cor. of secs. 7, 12, 13 and 18, which I
 40.36
                  destroy, and in the same place set an iron post 3
                  ft. long, 3 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 7 and 18, with brass cap,
                  marked
                                       T9SR7ES7 in NE., and
                                       S 18 in SE. quadrants;
                                       1915 on S.rim;
                  dig pits 24x24x12 ins., N.and S of cor., 3 ft. dist., and raise a mound of earth 3 ft. base, 1 ft. high,
             E. of cor. Land, level.
             Soil, adobe, 1st rate.
             No timber.
             Undergrowth, greasewood brush and mesquite.
             N.0° 3' E., on a true line on W.bdy.of sec.7 (S_2^1). Over level land, through dense undergrowth.
             Intersect original 4 sec.cor., which I destroy, and in the same place set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished 4 sec.
 40.36
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cor., referring to sec. 7 only, with brass cap, marked

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Resurvey of the West bdy of Township 9 S.
Chains.
                                             S 7 on E.half;
                                           1915 on S.rim;
                   dig pits 18 \times 18 \times 12 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, E.
              Thence I run,
             N.0°15'W., on a true line, on W.bdy.of sec.7 (N½).
Intersect original cor.of secs. 1,6,7 and 12, which I destroy, and in the same place set an iron post 3 ft.
long, 3 ins. in diam., 24 ins. in the ground for restablished cor.of secs.6 and 7 only, with brass cap,
40.32
                   marked
                                           T 9 S R 7 E, S 6 in NE., and S 7 in SE. quadrants; 1915 on S.rim;
                   dig pits 24x24x12 ins., NE. and SE. of post 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high,
                   E.of cor.
              Land, level.
              Soil, sandy loam, 1st rate.
              No timber,
              Undergrowth, greasewood brush and scattering meaquite.
              N.0°19'W., on a true line on W.bdy.of sec.6 (S_2^1). Over level land, through scattering undergrowth.
              Intersect original ½ sec. Cor., which I destroy, and in the same place, set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished ½ sec.
40.24
                    cor., referring to sec. 6 only, with brass cap, marked $\frac{1}{2}$ $ 6 on E.half;
                                            1915 on S.rim;
                    dig pits 18 \times 18 \times 12 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,
                    E. of cor.
               Thence I run,
              N.0° 31' E., on a true line on W bdy.of sec.6.
Intersect old cor.of Ts.8 and 9 S., Rs.6 and 7 E., which
 40.22
                    I destroy, and in the same place, set an iron post 3 ft, long, 3 ins. indiam., 24 ins. in the ground for reestablished cor. of Ts. 8 and 9 S., Rs. 6 and 7 E., with
                    brass cap, marked
                                           T 8 S on N.half;
R 7 E S 31 in NE.,
S 6 in SE.,
                                            S 1 in SW., and
R 6 E S 36 in NW. quadrants;
                                            1915 on S.rim;
                    dig pits 24x24x12 ins., on each line, N. E. and W., Aft., and S. of cor. 8 ft. dist., and raise a mound of earth 5 ft.base, 2½ ft. high, S. of cor.
               Land, level.
               Soil, sandy loam, 1st rate.
               No timber.
               Undergrowth, scattering greasewood brush and mesquite.
                                                                                     Feb. 20, 1915.
                                                                                                 W.H.T.
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	Retra	cement of South bdy of Township 8 South Range 6 E 53	
	Chains.		
		W.H.T. Retracement commenced Feby. 20, 1915, and executed as fol-	
		lows: Having this day determined a meridian with the solar on the west bdy.of T.9 S., R.7 E., I deflect 90° from the N. at the reestablished cor.of Ts.8 and 9 S., Rs.6 and 7 E., hereinbefore described, and run	ıe
	38.64	West, on a random line on S.bdy.of sec.36.  Fall 13 lks.N.of original 2 sec.cor., which is a mesquite post 3 ins. in diam., lying on ground, with redwood post 6 ins.square. 18 nins. above ground set alongside.	•
	79.13	True course and dist.of E half of S.bdy.of sec.36 is therefore S. 89° 49'W., 38.64 chs. Continue random line and measurement on W. 2 of S.bdy.of sec.36.	
	(9•±)	Fall 32 lks.N.of original cor. of secs.1,2,35 and 36, which is an old mesquite post, broken off and lying on ground, with some markings still visible.  Redwood post 6 ins.square 3 ft. above ground, set alongside.	
		True course and dist.of W. 2 of S. bdy.of sec. 36 is therefore S.89° 44'W., 40.49 chs.	
	40.19	From original cor.of secs.1.2,35 and 36, I run, West, on a random line on S bdy.of sec.35. Fall 48 lks.S.of a sec.cor.; which is a mesquite post, broken off, lying on ground, with some markings still visible. A redwood post 6 ins.square, 12 ins. above	
		ground, set alongside. True course and dist. of E. of S.bdy. of sec. 35 is therefore N.89° 19'W., 40.19 chs. Continue random line and measurement on W.half of S.bdy. of sec. 35.	
	80.34	Fall 34 lks.S.of original cor.of secs.2,3,34 and 35, which is a mesquite post lying on ground, with redwood post 10 ins. square, 24 ins. above ground, set alongside.  True course and distance of W.half of S.bdy.of sec.35 is therefore S.89°48'W., 40.15 chs.  Feb. 20, 1915.	
The second secon		N. on the lat.arc; 10° 46' S. on the decl.arc; and determine with the solar at the original cor.of secs.2,3, 34 and 35, described above.  Thence I run,	
	40.00	West, on a random line on S.bdy. of sec. 34.  After diligent search in this vicinity, find no trace of original \$\frac{1}{4}\$ sec.cor.  Set temp. \$\frac{1}{4}\$ sec.cor., and continue random line and measurement.	
	79.98	Fall 10 lks.N.of original cor. of secs. 3, 4, 33 and 34, which is a mesquite post lying on the ground, with mesquite post, 6 ins. square, 18 ins. above ground set alongside.  True course and dist. of S.bdy. of sec. 34 is therefore	
		S.89° 56' W., 79.98 chs.	
	40.00	From original cor. of secs. 3,4, 33 and 34, I run, West, on a random line on S'bdy. of sec. 33.  After diligent search in this vicinity, find no trace of original \(\frac{1}{2}\) sec. cor.  Set temp.\(\frac{1}{4}\) sec. cor., and continue random line and measure-	
	80.62	ment. Fall 50 lks.N.of original cor.of secs. 4,5, 32 and 33, which is a mesquite post broken off, lying on the ground with mesquite post,6 ins.sq.,24 ins. above	

54	Retracement of the South bdv. of Township 8 S. R.6 E.
Chains	
	ground set alongside. True course and dist. of S.bdy.of sec.33 is therefore S. 89° 39'W., 80.62 chs.
40.18	From original cor. of secs. 4, 5, 32 and 33, I run West, on a random line on S.bdy.of sec. 32. Fall 22 lks.N.of 4 sec.cor., which is a mesquite post, 3
40.40	ins. square, 24 ins. above ground, marked and witness- ed as described by the Surveyor General.
Constraint Tables	True course and dist.of E.half of S.bdy.of sec.32 is therefore S.89°41'W., 40.18 chs. Continue random line and measurement on W.2 of S.bdy.of
80.22	sec.32. Fall 12 lks.N.of original cor.of secs.5,6,31 and 32, which is a mesquite post, lying on ground with redwood post,
e legación de contra mon seguina.	3 ins, square, 24 ins. above ground, set alongside. True course and dist. of W half of S.bdy.of sec. 32 is therefore N.89° 51'W., 40.04 chs.
with the state of	
40.13	From original cor. of secs. 5, 6, 31 and 32, I run, West on a random line on S. bdy. of sec. 31. Fall 2 lks. N. of original \( \frac{1}{4} \) sec. cor., Which is a mesquite
	post 3 ins. square, 24 ins. above ground, marked and witnessed as described by the Surveyor General.  True course and dist.of E.half of S.bdy.of sec.31 is therefore S.89° 58'W.,40.13 chs.
	Continue random line and measurement on W half of S.bdy. of sec. 31.
79.10	Fall 66 lks.S. of original cor.of Ts.8 and 9 S., Rs.5 and 6 E., which is a mesquite post, 4 ins. square, 3 ft. above ground, firmly set, marked and witnessed as described by the Surveyor General.
	True course and dist. of W.half of S. bdy.of sec.31 is therefore N.89°02'W 38.98 chs.
To the state of th	At this cor. I set off 10°43'S.on the decl.arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 32° 40'N.
	Deb. 21, 1915.

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Resurvey of South bdy. of Township 8 South Range 6 East
Chains.
                W. H.T.
                Resurvey commenced Feb. 21, 1915, and executed as follows: From the reestablished cor. of Ts.8 and 9 S., Rs. 6 and 7
                E. hereinbefore described, I run,

S.89°'49' W., on a true line, on S.bdy.of sec.36 (E2).

Over level land, through scattering undergrowth.

Intersect original 2 sec.cor., which I destroy, and in the same place, set an iron post 3 ft.long, 1 in. in diam.
 38.64
                       26 ins. in the ground for reestablished a sec.cor.,
                       referring to sec. 36 only, with brass cap, marked 4 S 36 on N.half; 1915 on S.rim;
                       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 I run, 8.89^{\circ} 44' W., on a true line on S.bdy.of sec.36 (\frac{1}{2}). Canal to Santa Cruz Reservoir, 50 lks.wide, 4 ft. deep,
 12.60
                        course N.
                 Intersect original cor. of secs. 1,2,35 and 36, which I destroy, and in the same place set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for reestablished cor. of secs. 35 and 36 only, with brass
 40.49
                        cap, marked,
                                                   T8 SR6 E on N.half;
                                                   S 36 in NE., and
S 35 in NW. quadrants;
1915 on S.rim;
                        dig pits 24x24x12 ins., NE. and NW. of post, 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, N. of
                        cor.
                  Land, level. Soil, sandy loam, 1st rate.
                  Timber, none.
                  Undergrowth, scattering greasewood brush and mesquite.
                  N.89° 19' W., on a true line on S. bdy. of sec.35 (E_2).
                  Over level land, through scattering undergrowth.
Old well, 80 ft. deep, brs.S. 2 chs.dist.
Abandomed telephone line, Casa Grande, Ariz., to Santa
Crus Reservoir, brs. NW. and SE.
    1.50
6.10
                  Road brs.NW. and BE.

Intersect original ½ sec.cor., which I destroy, and in the same place set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for reestablished ½ sec. cor., referring to sec.35 only, with brass cap, marked ½ S 35 on N.half;

1915 on S.rim;
   36,20
   40.19
                         dig pits 18 \times 18 \times 12 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 I run,
S.89°48'W., on a true line, on S.bdy.of sec.35 (W1).
Wash 30 lks. wide, 4 ft.deep, course N.10° W.
Intersect original cor.of secs. 2,3,34 and 35, which I destroy, and in the same place, set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished cor.of secs. 34 and 35 only, with brass
   23.23
                          cap, marked
                                                     T 8 S R 6 E on N.half;
                                                     S 35 in NE., and
S 34 in NW.quadrants;
                                                     1915 on S.rim;
                          dig pits 24x24x12 ins., NE. and NW.of post 6 ft.dist. and raise a mound of earth 4 ft.base, 2 ft.high, N.of
                   Land, level, covered with silt, from overflow.
                    Soil, sandy loam, 1st rate.
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Township 8 South Range 6 E
Chains.
            No timber.
            Undergrowth, scattering greasewood brush and mesquite.
           S.89°56' W., on a true line, on S.bdy.of sec.34.

Over level land, through scattering undergrowth.

Enter greasewood brush, 6 ft.high, brs.N.and S.

Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for reestablished \( \frac{1}{2} \) sec.cor., referring to sec.
38.00
39.99
                 34 only, with brass cap, marked $\frac{1}{2}$ S 34 on N.half; $\frac{1}{2}$ 1915 on S.rim;
                 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.
            Intersect original cor.of secs. 3,4,33 and 34, which I destroy, and in the same place set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished cof.of secs. 33 and 34 only, with brass
79.98
                 cap, marked
                                      T8SR6E on N.half;
                                     S 34 in NE., and
S 33 in NW. quadrants;
1915 in S.rim;
                 dig pits 24x24x12 ins., NE. and NW. of post 6 ft. dist.
                 and raise a mound of earth 4 ft.base, 2 ft.high, N.of
            Land, level.
            Soil, sandy adobe, 1st rate.
            Undergrowth, greasewood brush and scattering mesquite.
            S.89° 39' W., on a true line, on S.bdy.of sec.33.
            Over level land, through scattering undergrowth.

Leave greasewood brush, brs.N.and S.

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.in
the ground for reestablished 1 sec.cor., referring to
10.00
40.31
                 sec.33 only, with brass cap, marked

1 S 33 on N.half;

1915 on S.rim;

dig pits 18x18x12 ins., E. and W. of cor., 3 ft.dist., and raise a mound of earth 3½ ft. base, 1½ ft. high,
                 N.of cor.
            Enter greasewood brush, brs.N.and S.
 70.00
            Road brs. NW. and SE.
79.40
            lished cor. of secs. 32 and 33 only, with brass cap,
                 marked
                                       T 8 S R 6 E on N.half;
                                      S 33 in NE., and
S 32 in NW. quadrants;
                                      1915 on S.rim;
                dig pits 24x24x12 ins., NE. and NW.of post 6 ft.dist. and raise a mound of earth 4 ft.base, 2 ft.high, N.of
                  cor.
             Land, level.
             Soil, sandy adobe, 1st rate.
             No timber.
             Undergrowth, greasewood brush and scattering mesquite.
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Range 6
                                            outh bdy of Township 8 South
Chains.
                  S.89°41'W. on a true line, on S.bdy.of sec.32 (E_2^1). Over level land, through scattering undergrowth.
                  Intersect original ½ sec.cor., which I destroy, and in the same place, set an iron post 3 ft.long, l in. in diam., 26 ins. in the ground for reestablished sec. cor. referring to sec.32 only, with brass cap, marked ½ S 32 on N.half;

1915 on S.rim;
die nite 18x18x12 ins. R and W of cor. 3 ft. dist.
 40.18
                         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 I run, N.89°51'W., on a true line, on S bdy.of sec.32 (W_2). Intersect original cor.of secs. 5,6,31 and 32, which I
  40.04
                         destroy, and in same place, set an iron past 3 ft.long, 3 ins. in diam., 24 ins. in the ground for reestablished cor. of secs. 31 and 32 only, with brass cap,
                         marked
                                                      T 8 S R 6 E on N.half;
                                                     S 32 in NE., and
S 31 in NW. quadrants;
1915 on S.rim;
                          dig pits 24x24x12 ins., NE. and NW. of post, 6 ft.
                         dist., and raise a mound of earth 4 ft.base, 2 ft. high, N. of cor.
                   Land, level.
                   Soil, sandy loam, dry, 2nd rate.
                   No timber.
                   Undergrowth, greasewood brush and scattering mesquite.
                  S.89°58'W., on a true line on S.bdy.of sec.31 (E½).

Over level land, through scattering undergrowth.

Road, brs.N.and S.

Wash, 10 lks.wide, 2 ft. deep, course N.10°W.

Intersect original ½ sec.cor., which I destroy, and in the same place set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished ½ sec. sec., referring to sec.31 only, with brass cap, marked

½ S 31 on N.half;

1915 on S.rim;

dig pits 18x18x12 ins., E.and W.of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N.of cor.
  19.00
38.90
40.13
                           N.of cor.
                    Thence I run,
                    N.89°2'W., on a true line on S bdy.of sec.31 (W_2). Intersect original cor.of Ts. 8 and 9 S., Rs. 5 and 6 E.,
   38.98
                          which I destroy, and in the same place set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for reestablished cor. of T.8 S., R.6 E. only
                            (SW.cor), with brass cap, marked
T 8 S R 6 E S 31 in NE. quadrant;
1915 on S.rim;
                           dig pits 36x36x12 ins.on each line N.and E. of cor. 8 ft. dist., and raise a mound of earth 5 ft base, 22
                           ft high, NE. of cor.
                    Land, level.
                    Soil, sandy loam, 1st rate.
                    No timber.
                    Undergrowth, greasewood brush.
                                                                                               Feb. 21, 1915.
W.H.T.
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	58 244	resement of West bdy of Township 8 South Renge 6 Rest
	Chains.	
		W.H.T. Retracement commenced Feb. 21, 1915, and executed as fol-
		Having this day determined a meridian with the solar on the south bdy.of the Tp., I deflect 90° from the east to the north, at the reestablished cor. of T.8 S.,R.6 E. (SW.cor.) hereinbefore described, and run.
	40.14	North, on a random line on Woody of sec. 31.  Fall 35-lks.W.of original 2 sec. cor. Which is a mesquite post 3 ins. square 18 nins. above ground, marked and witnessed as described by the Surveyor General.
*	80.14	True course sodist of S.2 of W. bdy. of sec. 31 is therefore N.0° 30'E., 40.14 chs.  Continue random line and measurement.  After diligent search in this vicinity, find no trace of original cor. of secs. 25.30.31 and 36.
	·	Set temp.cor.of secs. 30 and 31.
*		\$25 \$10 \$10 \$20 \$20 \$20 \$20 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$1
	20.74	Continue random line and measurement from Tp.cor, on W. bdy.of sec.30.
	.20.14	After diligent search in this vicinity, find no trace of original 2 sec.cor.
	_	Set temp. 2 sec.cor., and continue random line and measurement.
	160.71	Wall 76 lks.west of original cor.of secs.19,24,25 and 30, which is a mesquite post, 4 ins. square, 18 ins. above ground, mkd.&& witnessed as described by the Surveyor
-	\	General. The dist. from original = sec.cor. on west bdy.of sec.31
	,	to this cor. is 120.57 chs. (160.71 chs 40.14 chs.).
and the state of t	*	which gives a length of 40.19 chs. for Not of w.bdy. of sec.31, and N. and S. halves of W. bdy. of sec.30. The true course of line W. of sec.30 and N. of sec.31 re-
		sulting from above fallings is N.0°12'E. Feb. 21, 1915.
en la section de constituente en constituente	,	March 4. 1915. At 2h. p.m., l.m.t., I set off 32°42'N. on the lat.arc; 6°34'S.on the decl.arc, and determine a meridian with the solar at the original cor.of secs.
diction for the designation	* /	19,24,25 and 30, described above. Thence I run,
and debut was read to the	40.00	North, on a random line on the W bdy.of sec.19.  After diligent search in this vicinity, find no trace of original 1 sec.cor. Set temp. 2 sec.cor., and continue
A management of the state of th	80100	random line and measurement.  After diligent search in this vicinity, find no trace
and regulation of the state of		of original cor. of secs. 13, 18, 19 and 24. Set temp. cor. of secs. 18 and 19.
		Continue random line and measurement.
7	20.00	North, on a random line on W.bdy.of sec.18. After diligent search in this vicinity, find no trace of
		original desc.cor. Set temp. desc.cor., and continue random line and meas-
-	. (	urement.
	160.00	After diligent search in this vicinity, find no trace of original cor. of secs. 7, 12, 13, and 18.  Set temp. cor. of secs. 7 and 18.
	·	March 4, 1915.
		March 5, 1915: At 8h. a.m., l.m.t., I set off 32°44'N.on the latitude arc; 6°16'S. on the decl.arc, and determine a meridian with the solar at the temp.cor.of secs. 7 and 18.
	3	

Retracem	ent of West bdy. of Township 8 South Range 6 E. 59
Chains.	
200.00	Continue random line and measurement on W.bdy.of sec.7.  After diligent search in this vicinity, find no trace of original 4 sec.cor.
	Set temp. sec.cor., and continue random line and measure-
240.00	After diligent search in this vicinity, find no trace of original cor.of secs. 1,6,7 and 12. Set temp.cor.of secs. 6 and 7.
	Continue random line and measurement on W.bdy.of sed.6.
280.00	After diligent search in this vicinity, find no trace of original 1/2 sec.cor.
•	Set temp. 1 sec.cor., and continue random line and measurement:
322.08	Fall 41 lks.W.of original cor.of Ts.7 and 8 S., Rs.5 and 6 E., which is a mesquite post, partly destroyed, lying on ground, with old pits plainly visible. Find an iron pipe 3 ft.long, 3 ins. in diam., without brass cap, or markings, lying alongside of post.
	True course and dist. of line from original cor.of secs.  19,24,25 and 30 to this township cor.is therefore  N.0° 6'E., 322.08 chs., giving a true course and
A SECTION	distance for each of the west boundaries of secs.19, 18,7and 6 of N.0°6' E., 80.52 chs.
******	March 5, 1915. W.H.T.

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Resurvey of West bdy of Township 8 South Range 6 East.
 Chains
                           W.H.T.
                          Resurvey commenced March 6, 1915, and executed as follows: From the reestablished cof. of T.8 S.,R.6 E. (SW.cor.) hereinbefore described, I run, as per result of re-
                           N.0° 30' E., on a true line on W bdy.of sec.31, (S2).

Over level land, through scattering undergrowth.

Intersect original a sec.cor., which I destroy, and in the same place, set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished a sec.
 40.14
                                      cor., referring to sec. 31 only, with brass cap, marked \frac{1}{4} S 31 on E.half; 1915 on S.rim; 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,
                                      E.of cor.
                            Thence I run,
Thence I run,
N.0°12' E., on a true line on W bdy.of sec.31, (N½).

(Proportional dist.) Set an iron post 3 ft.long, 3 ins.
in diam., 24 ins. in the ground for reestablished cor.
of secs. 30 and 31 only, with brass cap, marked

T 8 S R 6 E S 30 in NE., and
S 31 in SE. quadrants;
1915 on S.rim;
dig pits 24x24x12 ins. NE and SE. of post, 6 ft. dist.,
and raise a mound of earth 4½ ft. base, 2 ft.high, E.
                                       of cor.
                            Land, level.
Soil, adobe, lstorate.
                            No timber.
                            Undergrowth, greasewood brush and scattering mesquite.
                            N. 0° 12' E., on a true line on W.bdy.of sec.30.
                           Over level land, through scattering undergrowth. (Proportional dist.) Set an iron post 3 ft.long, 1 in.in
                                    diam., 26 ins. in ground for reestablished a sec. cor. with
                                  brass cap, marked

1 S 30 on E.half; 1915 on S.rim;
dig pits 1 x18x12 ins., N.and S.of cor. 3 ft. dist.,
                                       and raise a mound of earth 32 ft. base, 12 ft. high,
                                       E.of cor.
                          Intersect original cor. of secs.19,24,25 and 30, which I destroy, and in the same place set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for reestablished cor. of secs. 19 and 30 only, with brass
 80.38
                                       cap, marked
                                                                                     T 8 S R 6 E S 19 in NE., and
                                                                                     S 30 in SE. quadrants;
                                                                                     1915 on S.rim;
                                      dig pits 24x24x12 ins., NE. and SE. of post, 6 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.
                            Land, level.
                            Soil, sandy loam, 1st rate.
                            No timber.
                            Undergrowth, greasewood brush and scattering mesquite.
                           N.0° 4' E., on a true line on W.bdy.of sec.19.

Over level land, through scattering undergrowth.

Enter thick growth of mesquite brush, brs.NW. and SE.

Scattering greasewood and mesquite brush, brs.E. and W.

(Proportional dist.) Set an iron post 3 ft. long, l in.

in diam., 26 ins. in the ground for reestablished i
  11.00
  25.00
  40.26
                                        sec.cor., referring to sec. 19 only, with brass cap,
                                                                                             S 19 on E.half;
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1915 on S.rim;

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survey of West bdy of Township 8 South Range 6 East.
Chains
              dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise, a mound of earth 3\frac{1}{5} ft., base, 1\frac{1}{5} ft. high, E. of
60.20
          Road, brs. NW. and SE.
          Brush and wire fence, brs.E. and W. along cultivated field of about 80 acres, cultivated by Indians.
67.40
75.00
80.52
          Indian hut brs.W., about 6 chs.dist.
           (Proportional dist.) True point for reestablishment of
               cor.of secs.18 and 19, falls in cultivated field; there-
               fore at
          Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for witness cor. to redstablished cor. of
67.00
               secs.18 and 19 only, with brass cap, marked WCT8SR6ES18 in NE., and
                                S 19 in SE.quadrants,
                         Dig pits 24x24x12 ins. NE. and SE.of post 6 ft. dist., and
              raise a mound of earth 4 ft.base, 2 ft.high, E.of cor.
          Land, level.
          Soil, sandy loam, 1st rate.
          No timber.
          Undergrowth, greasewood brush and scattering mesquite.
          From true point for reestablished sec.cor., I run, N.0° 4'E. on a true line on W bdy.of sec.18. Over level land, through cultivated field.
5.70
10.20
          Wire fence brs. NE. and SW.
          Irrigation dith, 20 lks.wide, 3 ft. deep, course N.40°E. Indian house, 12x12 ft. built of cactus ribs, W.10 lks.
14.50
              dist.
16.10
          Irrigation ditch, 20 lks.wide, 3 ft. deep, course N.60°E.
          Wire fence brs.E and W.
23.60
32.30
34.90
36.00
          Wire fence brs. NE and SW.
          Wire fence brs.E. and W. Leave cultivated field. Road brs.E. and W.
39.50 40.26
          Foot of rocky S.slope.
          Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to solid rock, in a mound of stone, 3 ft.
              base, 12 ft. high, for reestablished a sec.cor.referring to sec.18 only, with brass cap, marked, 2 S 18 on E.half;
                                1915 on S.rim.
                                            Build a mound of stone 3 ft. base,
          Pits impracticable.,
          2 ft.high.E.of cor.
Ascend rocky S.slope, 80 ft.to
Top of ridge, brs.NE. and SW.
47.80
          Descend over NW. slope, 72 ft. to
56,60
          Ascend 15 ft.to
          Descend 40 ft.to
60.00
64.70
          Ascend over E.end of rock knoll, 10 chs.long, 4 chs.wide,
          50 ft.high.
Descend 50 ft.to
67.00
69.00
          Enter level land, brs. W. and SE.
          (Proportional dist.) Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for reestablished cor. of secs. 7 and 18, only, with brass cap, marked

T 8 S R 6 E S 7 in NE., and

S 18 in SE. quadrants; 1915 on S.rim;
80.52
              dig pits 24x24x12 ins. NE and SE.of post, 6 ft. dist. and raise a mound of earth 4 ft.base, 2 ft.high, E.of
              cor.
          Land, level and hilly.
          Soil, sandy loam 1st rate, and stony, 4th rate.
          No timber.
          Undergrowth, scattering greasewood brush and mesquite.
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N.0°4 E., on a true line on W.bdy.of sed.7. Over level land, through scattering indergrowth.

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Resurvey of West hdy of Township 8 South
Chains
             Irrigation ditch, 10 lks.wide, 2 ft. deep, course NW.
Irrigation ditch, 20 lks.wide, 3 ft. deep, course NW.
(Proportional dist.) Set an iron post, 3 ft.long, 1 in.
in diam., 26 ins. in the ground for reestablished \( \frac{1}{4} \) sec.
cor. referring to sec.7 only, with brass cap, marked
\( \frac{1}{4} \) S 7 on E.half;
\( \frac{1}{915} \) on S.rim;
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, E.
of cor.
12.15
25.95,
40.26
                    of cor.
              Wash, 60 lks.wide, 6 ft. deep, course NW. Wash, 20 lks.wide, 5 ft. deep, course NE. (Proportional dist.) Set an iron post 3 ft.long, 3 ins.
74.15
80.00
80.52
                    in diam., 24 ins. in the ground for reestablished cor. of secs. 6 and 7 only, with brass cap, marked

T 8 S.R 6 E.S 6 in NE., and

S 7 in SE quadrants;
                                            1915 on S. rim.
              Dig pits 24x24x12 ins. NE. and SE.of post 6 ft. dist.,
                    and raise a mound of earth 4 ft.base, 2 ft.high, E.of
                    cor.
              Land, level.
              Soil, sandy loam, 1st rate.
               No timber.
               Undergrowth, scattering greasewood brush and mesquite.
              N.0°4' E., on a true line on W.bdy.of sec.6.
Over level land, through scattering undergrowth.
               (Proportional dist.) Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for reestablished
40.26
                    sec.cor. referring to sec. 6 only, with brass cap,
                    marked
                    1 S 6 in E.half;
1915 on S.rim;
dig pits 18x18x12 ins., N.and S.of cor.3 ft. dist.,
and raise a mound of earth 3 ft. base, 1 ft. high,
                                               S 6 in E.half;
                    E.of cor.
               From this cor, a church in Quajata Indian village brs. S. 67°
                    10'W.
              Same church brs.S.31°45'W.
Intersect old cor.of Ts. 7 and 8 S.,Rs.5 and 6 E.,which
I destroy, and in the same place, set an iron post 3 ft.
long, 3 ins. in diam.,24 ins. in the ground for re-
established cor.of Ts. 7 and 8 S., Rs.5 and 6 E., with
80.52
                     brass cap, marked
                                             T 7 S on N.half;
R 6 E S 31 in NE.,
                                             s 6 in sē.,
                                             S 1 in SW., and
R 5 E S 36 in NW. quadrants;
T 8 S on S.half;
                                             1915 on S.rim;
                     dig pits 24x24x12 ins. on each line, N., E and W.4 ft., and S. of cor.8 ft. dist., and raise a mound of earth
               5 ft.base, 2\frac{1}{2} ft.high,S.of cor. Land, level.
               Soil, sandy loam, 1st rate.
               No timber.
               Undergrowth, scattering greasewood and mesquite.
                                                                               March 6, 1915.
                                                                                         W. H. T.
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		205
	Ret	recement of the South bdy of Township 7 S. R.5 E. 63.
Ch	ains.	
İ		W.H.T.
		Retracement commenced March 5, 1915, and executed as fol-
		lows:
		At 10h. a.m., 1.m.t., I set off 32°46'N.on the lat.arc; 6°
		15'S. onthe decl.arc, and determine a meridian with the solar, at the reestablished cor. of Ts. 7 and 8 S., Rs.
		5 and 6 E., hereinbefore described.
-		Thence I run.
		S.89° 59' W., on S.bdy.of sec.36.
10	00.0	After diligent search in this vicinity, find no trace of
"		$\frac{1}{4}$ sec.cor.
		Set temp. 1 sec.cor., and continue random line and measure
		ment.
80	00.0	After diligent search in this vicinity, find no trace of
		original cor.of secs.1,2,35 and 36.
		Set temp.sec.cor.
		\$\\ \text{50}\$ any \$\text{50}\$ and \$\text{50}\$
		Continue random line and measurement from Tp.cor. on S.
		bdy.of sec. 35.
7 20	0.00	After diligent search in this vicinity, find no trace of
1		½ sec.cor.
	•	Set temp. 1 sec. cor., and continue random line and measure-
		ment.
160	0.00	After diligent search in this vicinity, find no trace of
		original cor. of secs. 2,3,34 and 35.
		Set temp. sec.cor.
		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
		Continue mandam line and management from the come on C
		Continue random line and measurement from Tp. cor.on S.
200	0.00	bdy.of sec.34. After diligent search in this vicinity, find no trace of
1200	3.00	1 sec.cor.
		Set temp. 1 sec.cor., and continue random line and measure-
		ment.
240	0.00	After diligent search in this vicinity, find no trace of
'		original cor. of secs. 3,4,33 and 34.
		Set temp. sec.cor.
ļ		
ļ	٠	100 to 10
		Continue mendem line and massumement from Mn com on C
		Continue random line and measurement from Tp.cor. on S. bdy.of sec.33.
270	9.90	Fall 120 lks.N.of original 4 sec.cor., which is a mesquite
-'-	)• JU	post 3 ft.long, 3 ins. square, marked and witnessed
		as described by the Surveyor General.
		I reset post 24 ins. in the ground, and dig pits $18 \times 18 \times 12$
1	ı	ins., E.and W.of post 3 ft. dist., and raise a mound of
1		earth 3 ft. base, 1 ft. high, N. of cor. True course and dist. of line from Tp. cor. to this cor. is
	·	True course and dist. of line from Tp. cor. to this cor. is
		therefore S.89° 44'7., 279.90 chs.
1		Thence I run,
1,	0.26	S.89° 59' W. on S.bdy.of sec.33 ( $W_2$ ). Fall 21 lks.S.of original cor.of secs. 4,5,32 and 33,
4	0.20	which is a mesquite post, partly decayed, marked and
		witnessed as described by the Surveyor General.
		Change this cor. to refer to secs. 32 and 33 only, as fol-
		lows:
		I redig pits 24x24x12 ins., NE. and NW.of post 6 ft. dist.,
1.		and raise a mound of earth 4 ft.base, 2 ft.high, N.of
		Cor.
		True course and dist. of W.1 of S.bdy. of sec. 33 is there-
l		fore N.89° 43' W., 40.26 chs.
-		
		From original cor.of secs.4,5,32 and 33 changed to refer
		to secs. 32 and 33, as described above, I run,
ŀ		S.89°59'W.on a random line on S.bdv.of sec.32.
40	00.0	After diligent search in this vicinity, find no trace of

Retracement of South bdv. of Township Chains original 1 sec.cor.
Set temp. 2 sec.cor., and continue random line and measure ment. Fall 82 lks.N.of original cor.of secs. 5,6,31 and 32, which is a mesquite post, 3 ft.long, 3 ins. square, firmly set, marked and witnessed as described by the 80.15 Surveyor General. Change this cor. to refer to secs. 31 and 32 only, as follows: I redig pits 24x24x12 ins., NE. and NW. of post, 6 ft. dist., and raise a mound of earth 4 ft.base, 2 ft. high, N. of cor. True course and dist.of S.bdy.of sec. 32 is therefore S. 89° 24'W., 80.15 chs. From original cor. of secs. 5, 6, 31 and 32, changed to cor. of secs. 31 and 32, as described above, I run, 5.89°59'W., on random line on S. bdy. of sec. 31. After diligent search in this vicinity, find no trace of 40.00 original 2 sec.cor. Set temp. 1 sec. cor., and continue random line and measure ment. Fall 111 lks.S.of original cor.of Ts.7 and 8 S., Rs.4 and 5 E., on 1st. Guide Meridian East, which is a mesquite post, 4 ins. square, 18 ins. above ground, marked and witnessed as described by the Surveyor General. I 79.67 later destroy this cor., and reestablish it as cor. of T.7 S., R.5 E. only, as described in my notes of resurvey of the First Guide Meridian East in Book "A."

True course and dist. of S. bdy. of sec. 31 is therefore N. 89° 13'W., 79.68 chas.

Mar. 5, 1915.
W.H.T.

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Survey of West bdy.of Township 9 South, Range 6
Chains,
             W.K.K.
             Survey commenced Feb. 17, 1915, and executed as follows: From recent tests I know the transit and solar apparatus
                   to be in good adjustment.
             At 9h. a.m., 1.m.t., I set off 32° 35½ N. onthe lat.arc; 12°10'S. on the decl.arc, and determine a meridian with the solar, at the cor.of Ts.9 and 10 S., Rs.5 and 6 E.
                  hereinbefore described.
             Thence I run,
             North, bet.secs. 31 and 36.
Over level land, through greasewood brush and scattering
                  mesquite brush.
             Wash, 10 lks.wide, 1 ft. deep, course SW. Wash, 15 lks.wide, 2 ft.deep, course E.
1.50
36.90
             Change to slightly rolling land.
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the
40.00
                  ground for ½ sec.cor., with brass cap, marked $ 5.36 on W., and $ 31 on E.half;
                                        1915 on S.rim.
                                                            Dig pits 18x18x12 ins.,
             No trees within limits.
                                                                                                      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.
             Wash, 10 lks.wide, 2 ft. deep, course S. 80° E. Wash, 10 lks.wide, 2 ft. deep, course S.70°E. Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 25, 30, 31 and 36, with
 46.20
 62.90
00.08
                  brass cap, marked
                                         T 9 S on N.half;
R 6 E S 30 in NE.,
                                          S 31 in SE.,
S 36 in SW., and
R 5 E S 25 in NW. quadrants;
1915 on S.rim.
             No trees within limits.
                                                         Dig pits 18x18x12 ins., in each
                  sec. 5% ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.
             Land, level.
             Soil, stony, 3rd rate.
Timber, scattering palo verde.
             Undergrowth, greasewood brush and mesquite brush.
             North, between secs.25 and 30.
             Over level land, through greasewood brush and scattering
                   palo verde timber.
             Set an iron post 3 ft.long, 1 in. in diam., 4 ins.in the ground, to solid rock, in a mound of stone, 3 ft. base, 2 ft.high, for 2 sec.cor., with brass cap, marked
 40.00
                                         S 25 on W half; S 30 on E.half;
                               1915 on S.rim; from which
A palo werde, 15 ins. in diam., brs. S.41°40'W.,
172 lks.dist., marked 4 S 25 B T.

crees near. Dig pits 18x18x12 ins., N.and S.
             No other trees near.
             of cor. 3 ft. dist., and raise a mound of earth 3 ft. base, 1 ft. high, W. of cor.

Ascend low saddle to
54.50
64.00
             Top of saddle.
             Rocky knoll, brs.W. about 5.00 chs.dist.
Rocky knoll brs.N.70°E., about 10.00 chs.dist.
Rocky knoll brs.E. about 3 chs. dist.
 75.00
             Descend gentle NE.slope.
             Set an irom post, 3 ft. long, 2 ins. in diam.,6 ins. in the ground to solid rock, in a mound of stone, 3 ft. base, 2 ft. high, for cor.of secs. 19,24, 25 and 30, with brass cap, marked
 80.00
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Township 9 South Range 6 East
Chains
                                        T 9 S on N.half;
R 6 E S 19 in NE.,
                                        S 30 in SE.,
                                        S 25 in SW., and
                                        R 5 E S 24 in NW. quadrants;
                                        1915 on S.rim.
            No trees within limits.

Dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, W. of cor.
             Land, rolling.
             Soil, stony, 4th rate.
             Timber, scattering palo verde.
             Undergrowth, greasewood brush.
             North, between secs. 19 and 24.

Over gently rolling land, through low greasewood and scattering palo verde timber.
             Wash, 20 lks.wide, 2 ft. deep, course E.

Set an iron past 3 ft.long, 1 in. in diam., 26 ins. in
the ground for 2 sec.cor., with brass cap, marked

$ 24 on W., and
$ 19 on E.half;
  7.20
40.00
                                         1915 on S.rim.
             No trees within limits.
             Dig pits 18x18x12 ins., N.and S. of cor., 3 ft. dist., and raise a mound of earth 3 ft. base, 1 ft. high,
             W.of cor.
Wash, 25 lks.wide, 3 ft.deep, course NE.
Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor.of secs. 13, 18, 19 and 24, with
65.10
80.00
                    brass cap, marked
                                          T 9 S on N.half;
                                          R 6 E S 18 on NE.,
                                          S 19 in SE.,
                                          S 24 in SW., and
R 5 E S 13 in NW. quadrants;
1915 on S.rim.
              No trees within limits.
              Dig pits 18x18x12 ins., in each sec. 51 ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, W.of cor.
              Land, rolling.
              Soil, gravelly, 2nd rate.
              Timber, scattering palo verde.
              Undergrowth, greasewood brush.
At this cor., I set off 12°8'S. on the decl.arc; and at apparent noon, observe the sun on the meridian; the resulting lat.is 32° 38'N.
               North, between secs. 13 and 18. Over level land.
              Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground for a sec.cor., with brass cap, marked $ 13 on W., and $ 18 on E.half;
  40.00
                                           1915 on S. rim.
                                                                Dig pits 18x18x12 ins.
               and S.of cor. 3 ft. dist., and raise a mound of earth 31 ft. base, 12 ft. high, W.of cor.

Wash, 10 lks.wide, 2 ft.deep, course NW.

Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 7,12,13, and 18, with
               No trees within limits.
                     brass cap, marked
                                           T 9 S on N.half;
R 6 E S 7 in NE.
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of Township 9
Chains
                                         S 18 in SE.,
                                         S 13 in SW., and
R 5 E S 12 in NW.quadrants;
1915 on S.rim.
             No trees within limits.
             Dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high, W.of cor.
              Land, level.
              Soil, sandy loam, 1st rate.
              Timber, scattering palo verde.
              Undergrowth, greasewood brush.
              North, between secs. 7 and 12.
             Over level land, through low greasewood brush.

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

$ 12 on W., and
$ 7 on E.half;

1915 on S.rim.
 40.00
             No trees within limits. 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, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 1, 6, 7 and 12, with brass
 80.00
                   cap, marked
                                         T 9 S on N.half;
R 6 E S 6 in NE.,
                                         S 7 in SE.
                                         S 12 in SW..and
                                         R 5 E S lin NW. quadrants;
                                         1915 on S rim.
              No trees within limits.
              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..
              Soil, sandy loam, 1st rate.
              Timber, scattering palo verde.
              Undergrowth, greasewood.
             North, between secs.1 and 6,
Over level land.
Road brs. NW. and SE.
 38.40
              Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 1 sec. for., with brass cap, marked $ 5 1 on W., and $ 6 on E half;
 40.00
                                          1915 on S.rim.
              Dig pits 18x18x12 ins., N.and S.of cor., 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W.of
                   cor.
                                                                   Feb. 17, 1915.
              March 3, 1915.

At 9h. a.m., 1.m.t., I set off 32° 40'N. on the lat.arc; 7°3'S. on the decl.arc; and determine a meridian with
              the solar at this { sec.cor.

Road, Jack Rabbit mine, to Armenta's house, brs. NE and SW.

Set an iron past 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor. of Ts. 9 S., Rs. 5 and 6 E., with
 60.00
 80.00
                    brass cap, marked,
                                          S 6 R 6 E in SE., and
                                          S 1 R 5 E in SW, quadrants; T 9 S on S.half;
                                          1915 on S. rim.
              Dig pits 30x24x12 ins., on each line, E.and W.4 ft., and S.of cor. 8 ft.dist.; and raise a mound of earth 5 ft.
                    base, 2\frac{1}{2} ft. high, S. of cor.
                                     No timber.
               Land, level.
               Soil, sandy loam, 1st rate.
                                                               Undergrowth, greasewood.
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W.K.K.Mar3, 1915.

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of Township 8 South Range 5 East
                                     South bdv
Chains.
                  W.K.K.
                  Survey commenced March 10, 1915, and executed as follows: At 8h. a.m., 1.m.t., I set off 32°41'N. on the lat. arc;
                         4°20'S. on the decl.arc, and determine a meridian with the solar at the cor.of Ts.8 and 9 S., Rs.4 and 5 E. on
                         the 1st Guide Meridian East, reestablished by W.H.T.,
                        and
                                   described in Book "A."
                  Thence I run,
                  East, on a random line, setting a temp. 1 sec. cor., at 39.00 chs. (40.00 chs. convergency of 100 lks.) to refer
                         to sec. 6 of T.9 S..R.5 E., and at intervals of 40.00 chs. thereafter set temp.sec. and 2 sec.cors. for secs. in same township. At a distance of 40.00 chs. east
                         of Tp. cor., I set temp. sec.cor. referring to sec. 31 of T.8 S., R.5 E., and at intervals of 40.00 chs.
                        thereafter set temp.sec. and 1 sec.cors. of same town-
ship. At 478.87 chs. east of Tp. cor. the random
line falls 6 lks. north of the cor. of Ts. 9 S., Rs. 5
and 6 E., established by me March 3, 1915, and herein-
before described. This correction being inconsiderable,
the true course of the North bdy.of T.9 S., R.5 E. is
                         west.
                 West.
From cor. of Ts.9 S., Rs.5 and 6 E., I run east on random line as continuation of S.bdy. of T.8 S., R.5 E., this portion of line being also part of the N.bdy. of T.9 S., R.6 E. At 83.60 chs. E. of cor. of Ts.9 S., Rs.5 and 6 E., intersect the west bdy. of T.8 S., R.6 E., at a point 10.56 chs. S.0°30'W. from the original 1 sec. cor. of sec. 31, of said Tp., and 29.58 chs. N.0°30'E. from the reestablished cor. of T.8 S., R.6 E. (SW. cor.) both of which cors. are hereinbefore described.
                         which cors. are hereinbefore described.
                  At this point of intersection, I set an ironpost, 3 flong, 2 ins. in diam., 24 ins. in the ground for cor. of T.8 S., R.5 E. (SE.cor.) with brass cap, marked T 8 S R 5 E S 36 in NW. quadrant;
                                                                                                                                          3 ft.
                                                     1915 on S.rim;
                         dig pits 36x36x12 ins. on each line, N. and W. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, 2½ ft. high, NW. of cor. The true length of the S. bdy. of T. 8 S., R. 5 E. (478.87 chs. + 83.60 chs.) is 562.47 chs.
                         The south bdy.of sec.36 is therefore 162.47 chs. in
                         length.
                  From the cor. of T.8 S., R.5 E. (SE.cor.) described above,
                          I run,
                              on a true line on S.bdy.of sec. 36, T.8 S., R.5 E., N.
                  West,
                  of secs.5, T.9 S.,R.6 E.

Over level land, through greasewood brush.

Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground for cor.of secs.5 and 6 of T.9 S.,R.6 E.,
     3.60
                         marked on brass cap, 1915 on S.rim,

S 5 in SE., and
S 6 in SW.quadrants,
T 9 S R 6 E in S.half;

dig pits 24x24x12 ins., SE. and SW.of post, 6 ft. dist.,
                         and raise a mound of earth 4 ft.base, 2 ft.high, S.of
                   Continue measurement north of sec. 6, T. 9 S., R 6 E.

Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
the ground for 2 sec. cor. of sec. 6, T. 9 S., R. 6 E., marked
  43.60
                          on brass cap,
                                                          S 6 on S.half;
                                                      1915 on S.rim;
                          dig pits 18 \times 18 \times 12 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,
                          S.of cor.
                   Adobe house belonging to M. Armenta, 15x30 ft. brs. S. 21.30 chs. dist., improvements around which consist of windmill,
   66.60
                          good well, corral, outhouses, and about 15 acres fenced, 5 acres of which is cultivated this time.
                   Road from Armenta's ranch to Casa Grande brs. S. 20 °W. and
   67.40
                          N.20°E.
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BOOK 2892

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69
             South boundary of Township 8 South, Range 5 East
 Chains.
 83.60
             Intersect cor. of Ts.9 S., Rs.5 and 6 E., established by
                  me and hereinbefore described.
             Continue measurement of S.bdy.of sec. 36, T.8 S., R.5 E.
             North of sec. 1 of T.9 S., R.5 E.
            Road brs.NE. to Casa Grande, and SW.to Jack Rabbit mine.
Set an iron post 3 ft.long, 1 in, in diam., 26 ins. in
the ground for a sec.cor. referring to sec.36, T.8 S., R.5
112.90
122.47
                  E., with brass cap, marked 

<sup>1</sup>/<sub>4</sub> S 35 on N.half;

1915 on S.rim.
             Dig pits 18 \times 18 \times 12 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
             Set an iron post 3 ft.long l in. in diam., 26 ins.in the ground for 4 sec.cor. referring to sec.1, T.9 S., R.5 E.
123.60
                  with brass cap, marked 2 S 1 in S.half;
                                       1915 onS.rim.
             Dig pits 18 \times 18 \times 12 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, S.of
                  cor.
             Set an iron post 3 ft.long, 3 ins. in diam., 24-ins. in
162.47
                  the ground for cor. of secs. 35 and 36, T.8 S., R. 5 E.,
                  with brass cap, marked

T 8 S R 5 E on N.half;
S 36 in NE., and
S 35 in NW, quadrants;
T 9 S on S half;
                                      1915 on S.rim;
                  dig pits 24x24x12 ins., NE. and NW of post 6 ft. dist. and raise a mound of earth 4 ft. base, 2 ft.high, N. of
             Land, level.
             Soil, sandy loam, 1st rate.
             No timber.
             Undergrowth, greasewood brush and scattering mesquite.
             West, on true line, on S.bdy.of sec.35.

Over level land, through greasewood brush.

Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor.of secs. 1 and 2, T.9 S., R.5 E., with
   1.13
                  brass cap, marked
                                       T 8 S on N.half;
                                       S 1 in SE., and
S 2 in SW.quadrants;
                                       T 9 S R 5 E on S half;
                                       1915 on S.rim;
                  dig pits 24x24x12 ins.SE. and SW.of post 6 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high, S.of cor. Continue measurement of S.bdy of sec.35
             Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 1 sec.cor., referring to sec.35, T.8 S.,
  40.00
                 R.5 E., with brass cap, marked
                                       1 S 35 on N.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.
              Set an iron post 3 ft.long 1 in. in diam., 26 ins. in the
  41.13
                   ground for 4 sec.cor., referring to sec.2, T.9 S., R.5
                   E., with brass cap, marked
                                         S 2 on S.half;
                   1915 on S.rim;
dig pits 18x18x12 ins., E.and W of cor., 3 ft. dist.,
and raise a mound of earth 3 ft. base, 1 ft. high,
                   S.of cor.
              Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 34 and 35, T.8 S., R.5 E.,
  80.00
                   with brass cap, marked
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South bdy.of Township 8 South, Range 5 East.
                                          T 8 S R 5 E on N.half;
                                          S 35in NÉ.,
                                          S 34 in NW.quadrants;
T 9 S on Shalf;
                                          1915 on S.rim
            Dig pits 24x24x12 ins. NE. and NW.of post 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, N.of cor.
            Land, level.
             Soil, sandy loam, 1st rate.
             No timber.
             Undergrowth, greasewood brush and scattering mesquite.
            West, on a true line, on S.bdy.of sec.34.

Over level land, through greasewood brush.

Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor.of secs.2 and 3,T.9 S.,R"5 E.,with
 1.13
                  brass cap, marked
                                          T 8 S on N.half;
                                          S 2 in SE.,
S 3 in SW.quadrants;
T 9 S R 5 E on S.half;
                                          1915 on S.rim.
            Dig pits 24x24x12 ins., SE.and SW.of post 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, S.of cor. At this cor. I set off 3° 53' S. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 32° 40'N.
             Thence continue measurement of S bdy.of sec.34.
Bend in wash, 25 lks.wide, 3 ft. deep, course from NE. to
 3.63
             Road brs.SW. to Jack Rabbit mine and NE. to Casa Grande,
27.83
                   Ariz.
             Wash, 20 lks.wide, 3 ft.deep, course SE.
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
the ground for 1 sec.cor. referring to sec.34, T 8 S.,
30.23
40.00
                   R 5 E., with brass cap, marked
                                           3 34 on N.half;
                   dig pits 18 \times 18 \times 12 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.
             Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 4 sec.cor., referring to sec.3, T.9 S., R.5 E., with brass cap, marked
41.13
                                           1 S 3 on S.half;
1915 on S.rim;
                   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, S.
                    of cor.
              Road brs. NE. and SW.
46.13
79.88
80.00
              Wash, 20 lks.wide, 1 ft. deep, course N.20°W.
Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor.of secs. 33 and 34, T.8 S., R.5 E.,
                   with brass cap, marked

T 8 S R 5 E on N.half;

S 34 in NE., and

S 33 in NW quadrants,

T 9 S on S.half;
                    1915 on S. rim;
dig pits 24x24x12 ins. NE. and NW.of post 6 ft.dist.,
and raise a mound of earth, 4 ft.base, 2 ft.high,N.of
                    cor.
              Land, level.
              Soil, şandy loam, 1st rate.
              No timber.
              Undergrowth, greasewood and scattering mesquite.
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71.
                   hdy of Township 8 South.
                                                                                 Range 5
                                                                                                     East.
Chains
               West, on true line, on S.bdy.of sec.33.

Over level land, through greasewood brush.

Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for cor.of secs.3 and 4 T.9 S., R.5 E., with brass cap, marked

T 8 S on N.half;
  1.13
                                                  S 3 in SE., and
                                                 S 4 in SW. quadrants;
T 9 S R 5 E on S.half;
1915 on S.rim;
                      dig pits 24x24x12 ins., SE.and SW.of post 6 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high, S.of
                Continue measurement of S.bdy.of sec.33.

Wash, 50 lks.wide, 3 ft.deep, course N.

Set an iron post, 3 ft.long, 1 in. in diam., 20 ins. in the ground, to solid rock, in a mound of stone, 2½ ft.
36.13
40.00
                       base, 1 ft.high for \( \frac{1}{4} \) sec.cor., referring to sec.\( \frac{3}{3} \),

T.8 S.,R.5 E., with brass cap, marked
\( \frac{1}{4} \) S 33, on N.half;
\( \frac{1}{2} \) 1915 on S.rim.
                No trees within limits. Pits impracticable.
Build a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for 1 sec.cor., referring to sec.4, T.9 S., R.
41.13
                          5 E., with brass cap, marked 3 S 4 on S.half; 1915 on S.rim.
                No trees within limits. Pits impracticable.
Build a mound of stone 3 ft. base. 2 ft. high, S.of cor.
Wash, 20 lks. wide, 5 ft. deep, course N.
Ascend gradual NE. slope.
Set an iron post 3 ft.lomg, 3 ins. in diam., 24 ins. in
 63.13
 80.00
                        the ground for cor. of secs. 32 and 33, T.8 S., R.5 E.,
                       with brass cap, marked
T 8 S R 5 E on N.half;
S 33 on NE., and
S 32 in NW. quadrants;
                                                   T 9 S on S.hald;
                                                   1915 on S.rim.
                                                                       Pits impracticable.
                 No trees within limits.
                 Build, a mound of stone, 3 R. base, 2 ft, high, N. of cor.
                 Land, level and rolling . Soil, stony, 2nd rate.
                 Timber, scattering palo verde.
                 Undergrowth, greasewood brush.
                 West, on true line, on S.bdy.of sec. 32.
                 Over rolling land, through greasewood brush, scattering
                 mesquite and palo verde.
Set an iron post 3 ft.long, 3 ins. in diam., 18 ins. in the ground, to solid rock, in a mound of stone, 2½ ft. base, 1 ft.high, for cor.of secs.4 and 5, T.9 S., R.5
   1.13
                        E., with brass cap, marked
T 8 S on N.half;
                                                   S. 4 in SE., and
                                                    S 5 in SW.quadrants;
T 9 S R 5 E on S.half;
                                                    1915 on S.rim.
                 No trees within limits. Pits impracticable.
Build a mound of stone, 3 ft.base, 2 ft.high, S. of cor.
Continue measurement of S. bdy. of sec. 32.
 10.03
                 Wash, 30 lks.wide, 4 ft.deep, course NE.
                Wash, 30 lks.wide, 4 lt.deep, course NE.

Descend NW. slope, 30 ft.to

Wash, 30 lks.wide, 3 ft.deep, course NE.

Ascend rock hill, over steep E.slope.

Set an iron post 3 ft.long, 1 in. in diam., on surface

rock, in a mound of stone, 3 ft.base, 21 ft. high,

for 1 sec.cor., referring to sec. 32, T.8 S., R.5 E., with
 26.13
 31.13
40.00
                        brass cap, marked
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bdv of Township 8 South Range 5
Chains
                                          1 S 32 on N.half;
             No trees within limits. Pits impracticable.
             Build a mound of stone, 32 ft. base, 22 ft. high, II, of
             Set an iron post 3 ft.long, 1 in. in diam., on surface rock, in a mound of stone 3 ft. base, 3 ft. high, for a sec. cor, referring to sec. 5, T. 9 S R, 5 E., with, and the sec. cor.
41.13
                   brass cap, marked
                                          1 S 5 on S.half;
1915 in S.rim;
                  pits impracticable.
             No trees within limits.
                                                                  Build a mound of stone 3 ft.
                   base, 2\frac{1}{2} ft. high, S. of cor.
             Top of spur, 227 ft.high, slopes N. Descend NW. slope, 250 ft.to
42.33
             Wash, 50 lks.wide, 4 ft. deep, course N.
Thence over broken, rolling land.
Wash, 50 lks.wide, 5 ft. deep, course NE.
Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. it
the ground for cor.of secs.31 and 32, T.8 S., R.5 E.,
61.70
75.13
80.00
                                                                                                    24 ins. in
                   with brass cap, marked T 8 S R 5 E on N. half;
                                           S 32 in NE., and
                                           S 31 in NW.quadrants;
                                           T 9 S on S.half;
             1915 on S.rim;
no trees within limits. Pits impracticable.
Build a mound of stone, 3 ft.base, 2 ft.high, N.of cor.
             Land, mountainous.
              Soil, stony, 4th rate.
              Timber, scattering palo verde.
              Undergrowth, greasewood and cacti.
              West, on a true line, on S.bdy.of sec.31.
              Over rolling land, through scattering greasewood brush,
                    palo verde and mesquite.
              Set an iton post 3 ft.long, 3 ins. in diam., 18 ins. in the ground, to solid rock, in a mound of stone, 3 ft. base, 2 ft.high, for cor. of sees. 5 and 6, T.9 S., R.5
  1.13
                    E., with brass cap, marked T & S on N.half;
                                           S 5 in SE., and
S 6 in SW.quadrants;
T 9 S R 5 E in S.half;
1915 on S.rim.
             No trees within limits. Pits impracticable.
Build a mound of stone, 3 ft.base, 2 ft. high, S. of cor.
Continue measurement of S. bdy. of sec. 31.
Wash, 50 lks.wide, 5 ft.deep, course NE.
Wash, 25 lks.wide 5 ft.deep, course NE.
Set an iron post 3 ft.long, 1 in. in diam., 12 ins. in
the ground, to solid rock, in a mound of stone, 3 ft.
base. 2½ ft. high.for 3 sec.cor. referring to sec. 31
15.13
22.13
 40.00
                    base, 2½ ft. high, for 2 sec.cor., referring to sec.31.
T 8 S R 5 E, with brass cap, marked
2 S 31 on N.half;
1915 on S.rim.
              No trees within limits. Pits impracticable.
Build a mound of stone, 3 ft.base. 2 ft.high, N.of cor.
Set an iron post 3 ft.long, 1 in. in diam., 12 ins. in
the ground, to solid rock, in a mound of stone, 3 ft.
 41.13
                     base, 2 ft.high, for \( \frac{1}{4} \) sec.cor., referring to sec.6,
                     T.9 S., R.5 E., with brass cap, marked 2 S. 6 on S.half;
                                            1915 on S.rim.
              No trees within limits. Pits impracticable.
Build a mound of stone, 3 ft.base, 2 ft.high, S.of cor.
Cor.of Ts.8 and 9 S., Rs.4 and 5 E. on lst.Guide Meridian
 80.00
                     East, reestablished by W.H. Thorn, as described in
                     Book "A." North bdy.of sec.6, T.9 S., R.5 E. is
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South boundary of Township 8 South Range 5 East. 73.

78.87 chs. in length, and the remainder of the N.tier of secs. have N. bdrs. each 80.00 chs. in length.

Land, rolling between two ranges of mountains.

Soil, stony, 4th rate.

Timber, scattering palo verde.

Undergrowth, greasewood brush and scattering mesquite.

W.K.K. March 11, 1915.

Boundaries of Township 9 S., R.6 E. Latitudes, departures and closing errors.

Line de	signated	Bearing.	Dist.	Lati	tudes.	Departures.			
				N.	S	E.	W.		
West Tp	bdy.	North,	480.00	480.00		1			
North T	p.bdy.	East, 0°30'W. 50'W. 50'Y. 60'S'E. 60'S'E. 60'S'E. 60'S'S'E. 60'S'S'S'S'S'S'S'S'S'S'S'S'S'S'S'S'S'S'S	83.58 39.13 40.18 40.18 40.19 40.19 40.49 40.49 40.49 40.49	.02 .22 .49 .09 .14	.29.58 .66 .11	83.60 38.97 40.13 40.18 80.62 79.98 40.19 40.49 38.64	. 26		
East Tr	. bdy.	S.0°31'W. S.0°19'E. S.0°15'E. S.0°1'E. S.0°4'W. S.0°4'E. South South,	40.22 40.32 40.33 40.33 40.33 40.33 40.16 6.63		40.22 40.2366 40.336 40.337 33.73 40.337 40.63	.48 .52 .01	.04 .09 .27		
	'p.bdy.	West,	561.61			5.0	561.61		
Converg	gency,			481.27	480.83	.52 564.57	563.25		
	Totals	3,		480.83	400.03	563.25	العورور		
Error in latitude, 0.44  Error in departure, 1.32									

Boundaries of Township 9 S., R. 5 E. Latitudes, departures, and closing errors.

1								
Line d	esignated.	Bearing.	Dist.	Lat	itudes.	Departu		
			,	N.	s.	E.	₩	
	oundary. ide Mer.E)	North,	480.00	480.00				
	ooundary	East,	478.87			478.87		
	oundary,	South,	480.00		480.00			
	boundary,	West,	•479.30	τ			479.30	
Conver			:			.46		
	Totals				480.00	479.33	479.30	
				480.00		479.30		
Error in latitude, 0.00								
Error in departure 0.03								

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Survey of West bdy, of Township 9 South.
Chains.
               W.K.K.
              Survey commenced March 19, 1915, and executed as follows: March 17, I examine the adjustments of the transit, and
                    correct the level and collimation errors. I test the
                   solar apparatus by a.m. and p.m. observations, throughout the day on a meridian established by observations on Polaris by W.H.Thorn, U.S.Surveyor, at a point near camp in sec. 23, T.9 S., R.4 E., at eastern elongation
                    at 8h. 28m. a.m., 1.m.t.
               The meridians established by solar apparatus are identi-
                    cal with the meridian established by observations on
                    Polaris, and I therefore conclude that the adjustments
              of the solar apparatus are satisfactory.

March 19, 1915: At 9h. a.m., l.m.t., I set off 32°35½N.

on the latitude arc; 0°47'S.on the decl.arc, and determine a meridian with the solar at the cor.of Ts.

9 and 10 S., Rs. 3 and 4 E.hereinbefore described.

Thence I run,
              North, bet. secs.31 and 36.

Over level land, through greasewood brush.

True point for 4 sec.cor. falls in wash, 75 lks.wide, 8 ft, deep, course W.; therefore at

Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 40.00
 40.77
                    the ground for witness cor. to 4 sec. cor., with brass
                     cap, marked
                                            W C on S.half;

1 S 36 on W., and

S 31 in E.half;
                                            1915 on S.rim; from which
                                  A palo verde, 8 ins. in diam., brs.S.53½°E.,132 lks.dist., marked W C ½ S 31 B T.

A palo verde, 12 ins. in diam., brs.S 78°E.,

274 lks.dist., marked W C ½ S 36 B T.
               Wash, 75 lks.wide, 4 ft. deep, course NW.
Set an iron past 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor.of secs.25, 30, 31 and 36, with
 44.80
                     brass cap, marked
                                            T 9 S on N.half,
R 4 E S 30 in NE.,
                                            S 31 in SE.,
S 36 in SW., and
R 3 E S 25 in NW. quadrants;
                                             1915 on S.rim.
               No trees within limits.
               Dig pits 18x18x12 ins., in each sec. 52 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
               Land, level.
Soil, sandy loam, 1st rate.
                Timber, scattering palo verde.
                Undergrowth, greasewood brush.
                North, between secs. 25 and 30.
                Over level land, through greasewood brush.
               Old road, brs.E.and W.
Wash, 5 lks.wide, 2 ft. deep, course E.
Wash, 9 lks.wide, 3 ft. deep, course SE.
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
  10.75
  23.40
33.20
  40.00
                     the ground, for $\frac{1}{4}$ sec.cor., with brass cap, marked $\frac{1}{4}$ S 25 on W., and $\frac{1}{5}$ 30 on E. half;
                                             1915 on S.rim.
                No trees within limits.
                Dig pits 18x18x12 ins., N.and S.of cor. 3 ft. dist., and raise a mound of earth 31 ft. base, 12 ft. high, W.of
                Wash, 10 lks.wide, 1 ft. deep, course W.
Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor.of secs.19,24,25 and 30, with brass
  52.70
                      cap, marked T 9 S on N. half;
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R 4 E S 19 in NE.,

BOCK 2892

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West boundary of Township 9 South, Range
Chains
                                        S 30 in SE.,
                                        S 25 in SW., and
R 3 E S 24 in NW. quadrants;
                                        1915 on S.rim.
             No trees within limits.
             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.
             Soil, sandy loam, 1st rate.
             Timber, scattering palo verde.
             Undergrowth, greasewood brush.
             North, between secs.19 and 24.
             Over level land, through greasewood brush.
10.85
             Wask, 10 lks.wide, 2 ft. deep, course SE.
21.10
             Wash, 20 lks.wide, 4 ft. deep, course N.80°E.
            Wash, 25 lks.wide, 4 ft. deep, course S. 75° E.

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

1 S 24 in W., and
S 19 in E.half;
 23.80
40.00
                                        1915 on S.rim.
            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.
            Wash, 10 lks.wide, 2 ft. deep, course E.
Wash, 5 lks.wide, 3 ft. deep, course E.
Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor.of secs. 13,18,19 and 24, with
59.80
72.80
80.00
                  brass cap, marked
                                        T 9 S on N.half;
                                        R 4 E S 18 in NE.,
                                        S 19 in SE.,
                                        S 24 in SW., and
R 3 E S 13 in NW.quadrants;
1915 on S.rim.
             Dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high, W.of cor.
             Land, level.
             Soil, sandy loam, 1st rate.
             No timber.
             Undergrowth, greasewood brush.
             North, between secs.13 and 18.
             Over level land, through greasewood brush.
            Wash, 10 lks.wide, 4 ft. deep, course NE.
Wash, 20 lks.wide, 3 ft. deep, course E.
Wash, 10 lks.wide, 3 ft. deep, course E.
Wash, 100 lks.wide, 4 ft. deep, course E.
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
the ground for 1 sec.cor., with brass cap, marked

1 S 13 on W., and
2.30
7.10
12.10
27.20
40.00
                                        $ 13 on W., a $ 18 on E.half;
                                        1915 on S.rim;
            Dig pits 18x18x12 ins., N. and S of cor., 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of
            Old road brs.NE. and SW.
Wash, 15 lks.wide, 2 ft.deep, course E.
Wash, 20 lks.wide, 2 ft.deep, course SE.
Set an iron post 3 ft.long, 3 ins. in diam., 24 ins.in the ground for cor. of secs.12,13, and 18 (sec.7 of T.9 S.
R.4 E. falling within Papago Indian Reservation), with
48.60
61.30
68.00m
80.00
                  brass cap, marked
                                        T 9 S on N.half;
P I R R 4 E in NE.,
                                        S 18 in SE.,
S 13 in SW., and
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West boundary of Township 9 South, Range 4 East.
Chains.
                                     R 3 E S 12 in NW. quadrants; 1915 on S.rim.
          Dig pits 24x24x12 ins., SE., SW., and NW.of post 6 ft. dist., and raise a mound of earth 42 ft. base,2 ft. high, W.of cor.
             Boundary of Papago Indian Reservation runs E. and N.from
                   this corner.
             Land, level.
             Soil, sandy loam, 1st rate.
             No timber.
             Undergrowth, greasewood brush.
             North, between sec. 12 of T.9 S., R. 3 E., and Papago Indian
                   Reservation.
             Over level land, through greasewood brush.
             Wash, 25 lks.wide, 4 ft.deep, course SE.
Wash, 25 lks.wide, 4 ft. deep, course SE.
Wash, 25 lks.wide, 4 ft. deep, course SE.
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
the ground for ½ sec.cor. to sed.12, T.9 S., R.3 E. (sec.
7,T.9 S., R.4 E. being within Papago Indian Reserva-
 16.80
35.75
38.00
40.00
                   tion), with brass cap, marked 

S 12 on W., and P I R on E. half;
                                         1915 onS.rim; from which
             A palo verde, 10 ins. in diam., brs.S.16°W.,200 lks.dist., marked 2 S 12 B T.

Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 1 and 12, (secs. 6 and 7 heigh within Paragram 12.
 80.00
                   being within Papago Indian Reservation), with brass
                   cap, marked
                                         T 9 S on N. and
R 4 E on E.half;
S 12 in SW., and
                                         R 3 E S 1 in NW. quadrants;
                                         1915 on S.rim.
              Dig pits 24x24x12 ins., NW. and SW.of post 6 ft.dist., and raise a mound of earth 4 ft.oase, 2 ft. high, W.of
              Land, level.
              Soil, sandy loam, 1st rate.
              No timber.
              Undergrowth, greasewood brush. At this cor. I set off 0°44' S. on the decl.arc; and at
                   apparent noon, observe the sun on the meridian; the
                    resulting latitude is 32°40'N.
              North, between sec. 1 of T.9 S., R.3 E., and Papago Indian
                    Reservation.
              Over level land, through greasewood brush.
              Wash, 25 lks.wide, 2 ft.deep, course NE.
Wash, 10 lks.wide, 2 ft.deep, course S.70°E.
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
the ground for ½ sec.cor. to sec.1, T.9 S., R.3 E. (sec.
6, T.9 S., R.4 E. falling within Papago Indian Reserva-
   2.60
 12.25
                      tion), with brass cap, marked 
 3 1 on W., and
                                             I R on E.half;
                                          1915 on S.rim; from which
              A palo verde, 10 ins. in diam., brs.S.5°50'W.,

112 lks.dist., marked 4 S 1 BT.

Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor.of Rs.8 and 9 S., Rs.3 and 4 E.,
with press can marked
 .80.00
                    with brass cap, marked

PIRT8 S on N. half;

R 4 E in NE.,

PIR in SE., and
```

boundary of Township 9 South Range / East Chains. R 3 E S 1 in SW.quadrants; 1915 on S.rim, from which An ironwood, 14 ins. in diam., brs. S. 36½°W., 162 lks.dist., marked T 9 S R 3 E, S 1 BT. No other trees within limits.

Dig pits 24x24x12 ins., N., E. and W. 4 ft., and S.of cor.

8 ft, dist., and raise a mound of earth 5 ft.base, 2½ ft. high, S. of cor. Papago Indian Reservation adjoins this cor. on the NW., NE. and Bdy.of same runs S.and W.from this cor. SE. Land, level. Soil, sandy loam, 1st rate. Timber, scattering palo verde and ironwood. Undergrowth, greasewood brush. W.K.K. March 19,1915. Boundaries of that portion of T.9 S., R.4 E. outside Papago Indian Reservation.
departures, and closing errors. Latitudes.

Bearing, Line designated. Dist. <u>Latitudes</u> Departures. -N.------S. North, N.89°57'E. N.89°59'E. 320.00 159.39 79.91 West Tp. bdy. Subdivisional 320.00 159.39 79.91 80.05 .14 .02 Bdy. East, S.89°59'E. S.0°1'E. 8ō.ō5 79.94 80.00 79.94 .02 80.00 .ÖŻ S.89°52(E. 79.99 79.99 .19 South 240.00 East Tp.,bdy. (1st.Guide Mer.E) South Tp.bdy. 240.00 479.5 479.56 West, Convergency, 479.59 479. 479.56 320.21 320.16 320.16 Error in latitude. 0.05 0.03 Error in departure

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Survey of West boundary of Township 9 South Range 3 East.
Chains
          W.K.K.
          Survey commenced March 23, 1915, and executed as follows: March 21, 1915: At a point near camp, in sec. 23, T.9 S., R.4 E., at 7h. 33m., a.m., l.m.t., I observe Polaris
               at eastern elongation, in accordance with instructions
               in the Manual of Surveying, and lay off the azimuth,1
               21' to the west, and mark the meridian thus determined by a rod set on line 10.00 chs. N. of my station.
          From recent tests I know the transit to be in satisfac-
               tory adjustment, then to test the solar apparatus by
               a,m. and p.m. observations on Polaris, I proceed as
               follows:
                                          I set off 32°37'N.on the lat.arc;
          At 8h. a.m., 1.m.t., I set off 32°37'N.on the lat.arc; 0°1'S.on the decl.arc; and determine a meridian with
                                   The meridian thus determined falls within
               the solar.
          1' of the meridian determined by Polaris observations. At 4h. p.m., l.m.t., I set off 32°37'N. on the lat.arc; 0°7'S. on the decl.arc; and determine a meridian with
                                 The meridian thus determined falls with 1'
               the solar.
               of the meridian determined by Polaris observations. I
               therefore conclude that the adjustments of the transit
               and solar apparatus are satisfactory.
           Mar. 23. 1915. At 8h. a.m., l.m.t., I set off 32°35 N.on the lat.arc; 0° 47'N.on the decl.arc; and determine
                a meridian with the solar at the cor. of Ts. 9 and 10 S.
               Rs. 2 and 3 E. hereinbefore described.
           Thence I run,
           North, between secs. 31 and 36.
           Over gradual N.slope, through scattering palo verde, iron-
                wood and cacti.
          Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 1 sec.cor., with brass cap, marked 2 s 36 on W., and 3 31 in E.half;
1915 on S rim.
:40000
           No trees within limits. Pits impracticable.
Build a mound of stone, 3 ft.base, 2½ ft. high, W.of cor.
Wash, 100 lks.wide, 15 ft.deep, course NE.
Wash, 75 lks.wide, 4 ft.deep, course NE.
Set an iron post, 3 ft.long, 3 ins. in diam., 8 ins. in
the ground, to solid rock, in a mound of stone, 3 ft.
base, 2 ft.high, for cor.of secs. 25, 30, 31 and 36, with
brass can marked
 41.10
 60.50
 80.00
                brass cap, marked
                                  T 9 S on N.half;
R 3 E S 30 in NE.,
S 31 in SE.,
                                   S 36 in SW., and
R 2 E S 25 in NW. quadrants;
                                   1915 on S.rim.
            No trees within limits. Pits impracticable. Build a mound of stone 3 ft. base, 2 ft. high, W. of cor.
            Land, broken and rolling.
            Soil, stony, 4th rate.
            Timber, scattering palo verde and ironwood. Undergrowth, ocotillos and cacti.
            North, between secs. 25 and 30.
            Over broken stony land, through scattering palo verde,
                 ironwood and cacti.
            Ascend SW.slope, 31 ft. to
 12.50
            Spur slopes W.
 23.40
            Descend W/slope, 75 ft.to Wash, 20 lks.wide, 5 ft.deep, course W.
 30.94
            Ascend broken S.slope.
            Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 40.00
                 the ground, for a sec.cor., with brass cap, marked a S 25 on W., and
                                    $ 30 in E.half;
                                    1915 on S. rim.
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No trees within limits. Pits impracticable.

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79
           boundary of Township 9 South, Range 3 East.
Chains.
            Build a mound of stone, 3 ft.base, 2 ft.high, W.of cor. Rocky spur. 44 ft. ascent, slopes SE. Descend NE slope 148 ft.to
45.15
60.00
            Foot of descent, brs.E.and W.
            Road brs.E and W. Wash, 200 ft.wide, 5 ft.deep, course E. Small level valley, brs.NW. and SE. Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor.of secs.19,24,25 and 30, with brass
71.95
75.00
80.00
                 cap, marked
                                      T 9 S on N.half;
                                     R 3 E S 19 in NE.,
S 30 in SE.,
                                      S 25 in SW. and
R 2 E S 24 in NW. quadrants;
                                      1915 on S.rim.
            No trees within limits.
                                                        Dig pits 18x18x12 ins., in each
            sec. 5 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high, W. of cor.

Land, south 60 chs.rolling; north 20 chs.level.
            Soil, stony, 4th rate and sandy 2nd rate.
            Timber, scattering palo verde and ironwood.
            Undergrowth, ocotillos and cacti.
                                                                                             March 23,1915.
            March 24,1915.
            North, between secs. 19 and 24.
            Over level land, through greasewood brush and scattering
                 mesquite.
  6.00
            Road brs.NE. and SW.
            Wash, 10 lks.wide, 2 ft.deep, course E.
Wash, 25 lks.wide, 3 ft. deep, course E.
Set an iron post 3 ft.long, 1 in.in diam., 26 ins. in the
30.00
35.00
40.00
                 ground for 4 sec.cor., with brass cap, marked 2 S 24 on W., and S 19 on E.half;
1915 on S rim.
            No trees within limits. Pits impracticable. Build a mound of stone, 3 ft.base, 2 ft.high, W.of cor. Change to broken gradual S.slope.
45.00
49.00
67.00
            Leave valley, brs.NW. and SE. Ascend steep west slope, 322 ft.to Spur brs.NW. and SE. (slopes NW.)
            Descend over broken N.slope, 190 ft.to

Set an iron post 3 ft.long, 3 ins in diam., on surface rock, in a mound of stone, 3 ft.base, 2½ ft. high, for cor. of secs. 13.18,19, and 24, with brass cap, marked
80.00
                                      T 9 S on N.half;
                                      R 3 E S 18 in NE.,
S 19 in SE.,
S 24 in SW., and
R 2 E S 13 in NW. quadrants;
                                       1915 on S. rim.
             No trees within limits. Pits impracticable. Build a mound of stone 3 ft.base, 2 ft. high, W. of cor.
             Land, level and mountainous.
Soil, S half sandy, 2nd rate; north half, stony, 4th rate.
Timber, scattering palo verde and ironwood.
Undergrowth, ocotillos and cacti.
             At this cor., I set off 1°15'N.on the decl.arc; and at ap-
                  parent noon observe the sun on the meridian; the resulting latitude is 32° 37½ N.
             North, between secs. 13 and 18.
             Over stony rolling land.
Set an iron post 3 ft.long, 1 in. in diam., 18 ins. in
 40.00
                  the ground, to solid rock, in a mound of stone, 3 ft.
                  base, 21 ft. high for 4 sec.cor., with brass cap,
                  marked
```

1 S 13 on W., and

BOOK 2892

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West boundary of Township 9 South, Range 3 East.
  Chains.
                                         S 18 on E.half;
                                         1915 on S.rim.
            No trees within limits. Pits impracticable.
Build a mound of stone 3 ft.base, 2 ft. high, W. of cor.
Wash, 200 lks.wide, 2 ft. deep, course SE.
Ascend S. slope, 91 ft. to
Top of round hill.
64.00
78.00
             Descend broken NE. slope, 91 ft. to
            Set an iron post 3 ft.long, 3 ins. in diam., 12 ins.in the ground, to solid rock in a mound of stone, 3 ft. base, 2 ft.high, for cor.of secs.7,12,13 and 18, with
00.08
                   brass cap, marked
                                          T 9 S on N.half;
                                         R 3 E S 7 in NE.,
S 18 in SE.,
S 13 in SW., and
                                          R 2 E S 12 in NW. quadrants:
                                          1915 on S.rim;
                  pits impracticable.
             No trees within limits.
Build a mound of stone, 32 ft. base, 22 ft. high, W. of
                   cor.
             Land, rolling.
             Soil, stony, 4th rate.
Timber, scatteribg palo verde and ironwood.
Undergrowth, ocotillos and cacti.
             North, between secs. 7 and 12.
              Over gradual E. slope, through palo verde and ironwood.
             Change to NE. slope.
10.00
15.00
             Foot of descent, 69 ft.
             Change to rolling land.
Set an iron post 3 ft.long, 1 in. in diam., on surface rock, in a mound of stone 3 ft.base, 3 ft. high, for
49.00
                   a sec.cor., with brass cap, marked
                                          S 12 on W., and S 7 on E.half;
                                1915 on S.rim; from which
A palo verde, 8 ins. in diam., brs.M. 69° 36'
E., 69 lks.dist., marked 1 S 7 B T.
A palo verde, 8 ins. in diam., brs.N.64°10'W.,
              10 lks.dist., marked 4 S 12 B T.

March 23, 1915.

March 24, 1915: At 3h. a.m., l.m.t., I set off 32°392'N.

on the lat.arc; 1°11'N.on the decl.arc; and determine
                   a meridian with the solar, at this 4 sec.cor.
              Wash, 25 lks.wide, 2 ft.deep, course SE. Wash, 25 lks.wide, 2 ft. deep, course SE. True point for cor.falls in Wash, 250 lks.wide, 2 ft.
 40.50
 80.00
              deep, course E.; therefore at
Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for witness cor. to cor. of secs. 1, 6, 7 and 12,
 85.00
                   with brass cap, marked WC S.of center

W C T 9 S on N.half;

R 3 E S 6 in NE.,

S 7 in SE.,

S 12 in SW., and

R 2 E S 1 in HW. quadrants;
                                           1915 on S.rim.
              No trees within limits. Pits impracticable. Build a mound of stone, 3 ft.base. 3 ft.high, W. of cor.
              Land, slightly rolling.
              Soil, gravel, 3rd rate.
Timber, scattering palo verde and ironwood.
Undergrowth, occillos and cacti.
```

West houndary of Township 9 Chains. North, between secs.l and 6, from true point for sec.cor. Over rolling land, through scattering palo werde and ironwood. - 5:00 Witness cor. to cor. of secs. 1,6,7 and 12. Set an tron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 4 sec.cor., with brass cap, marked 4 S 1 on W., and 5 6 on E.half; 40.00 1915 on S.rim. No trees within kimits. Dig pits  $18 \times 18 \times 12$  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. Wash, 100 lks.wide, 4 ft. deep, course SE. Wash, 25 lks.wide, 5 ft. deep, course E. True point for Tp. cor. falls in wash, 30 lks.wide, 10 ft. deep, course SE: 52.50 58.10 80.00 deep, course SE.; therefore at Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for witness cor. to cor. of Ts. 8 and 9 S., 80.50 Rs. 2 and 3 E., with brass cap, marked WCT8 S on N. half; R 3 E S 31 in NE., S 6 in SE., S 1 in SW., and R 2 E S 36 in NW. quadrants; T 9 S On S half; 1915 on S.rim. No trees within limits. Dig pits 24x24x12 ins., N., E. and W. 4 ft., and S. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, 2 ft. high, S. of cor. Land, slightly rolling. Soil, stony, 4th rate. Timber, scattering palo verde and ironwood. Undergrowth, greasewood brush and cacti. March 24,1915. W.KK.

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Survey of North boundary of Township 9 South Range 3 East.
                 W.K.K.
                Survey commenced March 24, 1915, and executed as follows: From true point for cor. of Ts.8 and 9 S., Rs.2 and 3 E., (witness cor.50 lks.N.) hereinbefore described, I run, East, on a random line setting temp. sec. cor. at 39.00 chs., and temp. sec. and sec. cors. at intervals of 40.00 chs. thereafter until at 479.06 chs. fall 10 lks. N. of cor. of Ts.8 and 9 S. Rs. 3 and 4 E. herein-
                       lks.N.of cor. of Ts.8 and 9 S., Rs.3 and 4 E., herein-
before described. True course of line is therefore
S.89° 59'E. March 24. 1915.
                March 25,1915: I return to the true point for cor. of Ts. 8 and 9 S., Rs. 2 and 3 E., and at 8h. am., 1.m.t. I set off 32°41'N. on the lat.arc; 1°34'N. on the decil.
                 arc; and determine a meridian with the solar. Thence I run, S.89°59'E., bet. secs. 6 and 31.
                 Over rolling land, through scattering palo verde and
                        ironwood.
                 Wash, 10 lks.wide, 10 ft. deep, course S. Low spur, 25 ft.high, slopes S. Low spur, 30 ft.high, slopes S. Over need a lovel land
.12.10
 14.00
 21.00 26.00
                 Over nearly level land.
                 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 39.06
                        the ground for = sec.cor., with brass cap, marked = $31 on N., and $6 on S half;

1915 on S.rim; from which,
                                        1915 on S.rim; from which,
A palo verde, 10 ins. in diam., brs.N.69°55'W.,
68 lks.dist., marked 4 S 31 B T.
An ironwood, 10 ins. in diam., brs.S.18°E.,8
                 lks.dist., marked 1 S 6 BT.

Wash, 35 lks.wide, 4 ft. deep, course SE.

Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
                        the ground, for cor. of secs. 5,6,31 and 32, with brass
                                                   T 8 S R 3 E on N.half;
S 32 in NE.,
S 5 in SE.
                        cap, marked
                                                          in SE.,
                                                   S 6 in SW., and
S 31 in NW. quadrants;
T 9 S on S.half;
                 1915 on S.rim; from which,
An ironwood, 10 ins. in diam., brs.N.34% E.,
55 lks.dist., marked T 8 S R 3 E S 32 B T.
A palo verde, 12 ins. in diam., brs.S.40% E.,
35 lks.dist., marked T 9 S R 3 E S 5 B T.
No other trees within limits; dig pits 18x18x12 ins., in
                        each sec. 5½ ft.dist., and raise a mound of earth 4 ft. base, 2 ft.high, W. of cor.
                  Land, rolling.
                                                 2nd rate.
                  Soil, gravel,
                  Timber, scattering palo verde and ironwood.
                  Undergrowth, greasewood brush and cacti.
                          S. 89°59'E., between secs. 5 and 32.
                  Over gently rolling land.
                 Wash, 75 lks.wide, 2 ft. deep, course SE.

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

1 S 32 on N., and
S 5 on S.half;
  .97
                  1915 on S.rim; from which,
An ironwood 10 ins. in diam., brs. S.20½ W.,
84 lks.dist., marked ½ S 5 B T.
No other trees within limits. Dig pits 18x18x12 ins., E.
                  and W of cor. 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.

Set an iron post 3 ft.long, 3 ins. indiam., 24 ins. in the ground for cor. of secs. 4, 5, 32 and 33, with brass
  80.00
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North boundary of Township 9 South Range 3 East.
                                                                                                                    83
Chains
                   cap, marked
                                           T 8 S R 3 E on N.half;
                                           S 33 in NE.,
                                          S 4 in SE.,
S 5 in SW., and
S 32 in NW. quadrants;
             T 9 S on S.half,

1915 on S.rim; from which,

Anironwood, 10 ins. in diam., brs.N.7½°E.,210

1ks.dist., marked T 8 S R 3 E S 33 B T.

No other trees within limits. Dig pits 18x18x12 ins.,in
                    each sec. 5^{1}_{2} ft. dist., and raise a mound of earth 4 ft.
                    base, 2 ft.high, W, of cor.
              Land, nearly level.
Soil, gravel, 2nd rate.
              Timber, scattering palo verde and ironwood. Undergrowth, greasewood brush and cacti.
              S.89°59'E., between secs. 4 and 33. Over level land, through scattering ironwood and palo verde
                    timber and greasewood brush.
7.00
16.30
35.50
40.00
             Wash, 50 lks.wide, 2 ft. deep, course SE.
Wash, 50 lks.wide, 2 ft.deep, course N.50°E.
Wash, 25 lks.wide, 2 ft. deep, course SE.
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the
                   ground for ½ sec.cor., with brass cap, marked

½ S 33 on N., and

$ 4 on S, half;

1915 on S.rim; from which

Ann ironwood, 8 ins. indiam., brs.S.54½°W.,179

1ks.dist., marked ½ S 4 B T.

other trees within limits
              No other trees within limits.
             Dig pits 18 \times 18 \times 12 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.
             Wash, 35 lks.wide, 2 ft. deep, course S. 50°E.
Set an iron post, 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor.of secs. 3,4, and 33 (sec.34 falling
41.90
                   within Papago Indian Reservation), with brass cap,
                   marked
                                          T 8 S on N.half;
                                          PIR in NE.,
                                         S 3 in SE.,
S 4 in SW., and
S 33 in NW. quadrants;
T 9 S R 3 E on S half;
1915 on S rim.
              No other trees within limits.
             Dig pits 24x24x12 ins. SE., SW., and NW. of post 6 ft.dist., and raise a mound of earth 42 ft. base, 2 ft.high, W. of
              Boundary of Papago Indian Reservation runs north on subdi-
                   vision line, and E. on Tp. bdy.from this cor.
              Land, level.
              Soil, sandy, 2nd rate.
              Timber, scattering palo verde and ironwood.
             Undergrowth, greasewood brush and cacti.
             S.89°59'E. along N.bdy.of sec.3, S.of Papago Indian Reser-
                   vation.
             Over level land, through greasewood brush and scattering palo verde and ironwood timber.

Wash, 35 lks.wide, 2 ft. deep, course SE.

Wash, 35 lks.wide, 2 ft. deep, course SE.

Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for 1 sec.cor., to sec.3 (sec.34 being within B.I.B.) with broaders.
  2,70
19.20
40.00
                   P.I.R.) with brass ccap, marked
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No.	rth boundary of Township 9 South Range 3 East
Chains.	
	PIR on N., and 4 S 3 on S.half;
1	1915 on S.rim; from which,
	An ironwood, 8 ins. in diam., brs.S.64½°W., 76
46.30	lks.dist., marked 4 S 3 B T. Wash, 35 lks.wide, 2 ft. deep, course SE.
80.00	Set an iron post 3, ft. long, 3 ins. in diam., 24 ins. in
	the ground, for cor.of secs.2 and 3, secs.34 and 35 be-
,	ing within P.I.R.), with brass cap, marked P.I.R. on N.half;
	S 2 in SE., and
	S 3 in SW.quadrants;
	T 9 S R 3 E on S.half; 1915 on S.rim; from which,
	An ironwood 20 ins. in diam., brs. S $52\frac{1}{2}$ °E., 229
	lks.dist., marked T 9 S R 3 E S 2 B T.
	A palo verde, 10 ins. in diam., brs.S.19½°W., 330 lks.dist., marked T 9 S R 3 E S 3 B T.
	Land, level.
	Soil, sandy, 2nd rate.
	Timber, scattering palo verde and ironwood. Undergrowth, greasewood brush and cacti.
	officer Promote Presentation of the promote Pr
	S.89°59'E., along N.bdy.of sec.2, S.of Papago, Indian Res-
	ervation.
	Over level land, through scattering palo verde and iron-
5.00	wood timber. Bend in wash, 10 lks.wide, 2 ft.deep, course N.70°W. to
5.00	N.70°E.
40.00	Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
	the ground for a sec.cor. to sec.2 (sec.35 being within P.I.R.), with brass cap, marked
	P I R on N., and
	½ S 2 on S halt;
	1915 on S.rim; from which, An ironwood, 16 ins. in diam., brs.S.282°W.,
	185 1ks.dist., marked 4 S 2 B T.
58.10	Wash. 25 lks.wide, 1 ft. deep, course S.70° E.
80.00	Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for cor.of secs. 1 and 2 (secs.35 and 36
	heing within P.I.R.), with brass cap, marked
	P I R on N.half;
	S 1 in SE., and S 2 in SW.quadrants,
	T9SRJE on S.half;
	1915 on S.rim.
	No trees within limits. Dig pits 24x24x12 ins., SE. and SW.of post 6 ft.dist., and raise a mound of earth 4 ft.
4	base, 2 ft.high, S.of cor.
	Land, level.
	Soil, sandy, 2nd rate. Timber, scattering palo verde and ironwood.
	Undergrowth greasewood brush and cacti.
	At this cor. I set off 1 °38'N.on the decl.arc; and at
	apparent noon, observe the sun on the meridian; the resulting latitude is 32° 40½ N.
	S. 89° 59' E. along N. bdy. of sec.1, S. of Papago Indian
	Reservation.
	Over level land, through greasewood brush and scattering palo verde and ironwood brush.
34.50	Wash 25 1ks.wide. 2 ft. deep. course S.70° E.
40.00	Set an iron post 3 ft.long. 1 in. in diam., 20 ins. in
	the ground, for a sec.cor. to sec.1. (sec.36 being within P.I.R.) with brass cap, marked
	PIR on N., and
	3 S l on S.half;
	1915 on S.rim.

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93
      Survey of West boundary of T.8 S. R.2 F.
Chains
           W.K.K. Survey commenced Apr. 3, 1915 and executed , was follows:
                     bout ear.
          From recent and repeated tests on a mer. established by observations on Polaris, I know the transit and solar apparatus to be in satisfactory adjustment. (See notes
                of Mar. 21, 1915, in book "M."
          At 8h., a.m., l.m.t., I set off 32° 41' N. on the lat. arc; 5° 4' N. on the decl. arc. and determine a mer. with
                the solar, at the cor. of Ts.8 and 9 S., Rs.1 and 2 E. as established by me and hereinbefore described.
           Thence I run
          North bet. secs. 31 and 36. Over level land, through greasewood brush and scattering
                mesqui te.
          Set an iron post 3 ft. long, 1 in in diam., 26 ins. in
40.00
                the ground for \( \frac{1}{4} \) sec. cor. with brass cap mkd.
                                    🛓 S 36 on W., Pand,
                                    S 31 on E. half;
                                    1915 on S. rim.
          Dig pits 18 X 18 X 12 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.
          Wash, 15 lks. wide, 1 fft. deep, course, W. Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
62.50
00.08
                the ground for cor. of secs. 25, 30, 31 and 36, with
                brass cap mkd.
                                    T 8 S 🕽 🛢
                                                   on N. half;
                                   R 2 E S 30 in NE.
                                    S 31 in SE.
                                    S 36 in SW. and
                                   R 1 E S 25 in NW. quedrants,
                                   1915 on S. rim.
          Dig pits 18 X 18 X 12 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.
          Soil, sandy loam, 1st rate.
          Timber, scattering palo verde.
          Undergrowth, greasewood brush and scattering mesquite.
          Native grass.
           North bet. secs. 25 and 30.
          Over level land, through greasewood brush and scattering
                mesquite.
          Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
40.00
                the ground for \frac{1}{4} sec. cor. with brass cap mkd.
                                   $ 30 on E. half;
1915 on S. rim.
          Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist.
                and raise a mound of earth 3½ ft. base, 1½ ft. high
                W. of cor.
          Wash, 20 lks. wide, 2 ft. deep, course, W. Wash, 50 lks. wide, 3 ft. deep, course, N.70° W. Set an iron post 3 ft. long, 3 ins. in diam, 20 ins. in the ground to solid rock, in a mound of stone, 3 ft.
47.10
60.50
80.00
                base, 6 ins. high, for cor. of secs. 19, 24, 25 and
                30, with brass cap mkd.
                                    T 8 S 1
                                                    on N. half;
                                    R2ES 19 in NE.
                                    S 30 in SE.
S 25 in SW. and
                                    R 1 E S 24 in NW. quadrants, and
                                                  rim.
                                    1915 on S
          Build a mound of stone, 3 ft. base, 2\frac{1}{2} ft. high W. of cor. Land, bouth half, level. North half, gentle SW. slope. Soil, sandy loam, lst rate and stony 3rd rate.
           Timber, scattering palo verde and iron wood.
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Undergrowth, greasewood brush and scattering mesquite.

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94
                        West boundary of T.8 S. R.2 E
Chains
            North, bet. secs. 19 and 24.
            Over, rolling land, through scattering greasewood brush, paho verde and iron wood timber.
            Wash, 50 lks. wide, 3 ft. deep, course, SW. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
14.20
40.00
                  the ground for \frac{1}{4} sec. cor. with brass cap mkd. \frac{1}{4} S 24 on W. and
                                       S 19 on E. half;
           1915 on S rim.
Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. dist.
                  and raise a mound of earth 3\frac{1}{2} ft. basse, 1\frac{1}{2} ft. high
                  W. of cor.
80.00
            Set an iron post 3 ft. long, 3 ins. in diem., 24 ins. in
                  the ground for cor. of secs. 13, 18, 19 and 24, with
                  brass cap mkd.
                                       T & S h A D on N.
R San S 18 in NE.
                                                        on N. half;
                                       . S 19 in SE.
                                       S 24 in SW. and
                                       R 1 E S 13 in NW. quadrents, ... 1915 on S. rim.
            Build a mound of stone, 3\frac{1}{2} ft. base, 3 ft. high W. of cor
            Land, rolling.
            Soil, stony, 3rd rate.
           Timber, scattering palo verde and iron wood. Undergrowth, greasewood brush. At this cor. I set off 35° 8' N. on the decl. arc; and
                  at apparent noon observe the sun on the mer. The
                  resulting lat. is 32° 43' N.
            North bet. secs. 13 and 18.
            Over rolling land, through scattering greasewood brush, palo verde and iron wood timber.
            Wash, 50 lks. wide, 3 ft. deep, course, W. Set an iron post 3 ft. long, 1 in in diam., 26 ins. in
38.30
40.00
                  the ground for 1 sec. cor. with brass cap mkd.
                                       \frac{1}{4} S 13 on W., and C, S 18 on E. half;
                                        1915 on S. rim.
                  from which,
                        A palo verde 8 ins. in diam., brs. 8 112 lks. dist. mkd. \(\frac{1}{4}\) S 18 B T.
                                                                     brs. S. 5½° E.
                        A palo verde 8 ins. in diam., brs. S. 31\frac{3}{4}° W. 70 lks. dist. mkd. \frac{1}{4} S 13 B T.
           Wash, 35 lks. wide, 3 ft. deep, course, N. 70° W. Wash, 20 lks. wide, 3 ft. deep, course, NW. Wash, 10 lks. wide, 1 ft. deep, course, NW. Wash, 15 lks. wide, 1 ft. deep, course, W. Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 7, 12, 13 and 18, with
44.00
54.10
71.90
74.00
80.00
                  brass cap mkd.
                                        T 8 S on N.half;
                                        R2ES7 in NE.
                                       S 18 in SE.
                                       S 13 in SW. and
                                       R 1 E S 12 in NW. quadrants, and
                                        1915 on S. rim.
            Dig pits 18 X 18 X12 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, rolling.
            Soil, stony, 4th rate. Timber, scattering palo verde and iron wood.
            Undergrowth, scattering greasewoodbrush.
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North boundary of Township 9 South. Range 2 East
Chains
              N.89°58'W., bet. secs.4 and 33.
Over level land, through greasewood brush and scattering
                   mesquite.
  5.00 Wash, 10 lks.wide, 1 ft. deep, course S.20° W.
11.10 Wash, 50 lks.wide, 4 ft. deep, course S.
21.10 Wash, 15 lks.wide, 1 ft. deep, course S.20°E.
28.00 Wash, 10 lks.wide, 1 ft. deep, course S.
36.90 Wash, 15 lks.wide, 1 ft. deep, course SE.
36.90 Set an iron post 3 ft.long, 1 in. indiam., 26 ins. in the
                    ground for 4 sec.cor., with brass cap, marked 2 S 33 on N., and $ 4 on S half;

1915 on S.rim.
              Dig pits 18x18x12 ins., E.and W.of cor., 3 ft. dist., and raise a mound of earth 31 ft. base, 11 ft. high, N.of
                    cor.
  44.00 Wash, 10 lks.wide, 2 ft. deep, course SE.
65.50 Wash, 10 lks.wide, 2 ft. deep, course SE.
80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs.4,5,32 and 33, with brass
                     cap, marked
                                             T 8 S R 2 E on N. half;
                                            S 33 in NE.,
                                             S 4 in SE.,
                                            S 5 in SW., and
S 32 in NW. quadrants;
T 9 S on S.half;
                                             1915 on S.rim.
              Dig pits 18x18x12 ins., in each sec. 51 ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, W. of cor.
               Land, level.
               Soil, sandy loam, 1st rate.
               No timber.
               Undergrowth, greasewood brush and scattering mesquite.
               N.89° 58' W., beth secs. 5 and 32. Over level land, through greasewood brush and scattering
                     mesquite.
               Wash, 25 lks.wide, 2 ft. deep, course S.
Wash, 10 lks.wide, 1 ft. deep, course S.
Set an iron post, 3 ft.long, 1 in. in diam., 24 ins. in the ground, for 3 sec.cor., with brass cap, marked 5 5 on S.half;
                                             1915 on S.rim.
               Dig pits 18x18x12 ins., E.and W.of cor. 3 ft. dist., and raise a mound of earth, 3 ft. base, 1 ft. high, N.of
   60.00 Wash, 10 lks.wide, 1 ft. deep, course S.10° E.
63.90 Wash, 35 lks.wide, 2 ft. deep, course S.
80.00 Set an iron post, 3 ft.long, 3 ins. indiam., 24 ins. in the ground, for cor.of secs.5,6,31 and 32, with brass
                     cap, marked
                                             T 8 S R 2 E on N.half;
                                             S 32 in NE.,
S 5 in SE.,
                                             S 6 in SW., and
                                             S 31 in NW. quadrants;
T 9 S on S.hakf;
                                             1915 on S.rim.
               Dig pits 18x18x12 ins., in each sec. 5 ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high, W, of cor.
               Land, level.
                Soil, sandy loam, 1st rate.
               No timber.
                Undergrowth, greasewood brush and scattering mesquite.
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9	2. Nort	boundary of Township 9 South, Range 2 East.							
T	Chains.								
	40.00	N.89° 58'W., bet. secs. 6 and 31.  Over level land, through greasewood brush and scattering mesquite.  Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for a sec.cor., with brass cap, marked  \$\frac{1}{2}\$ \$31 on N., and \$\frac{1}{2}\$ \$6 on S.hakf;  \$\frac{1}{2}\$ \$10 ins. From \$\frac{1}{2}\$ \$10 ins.							
	79.02	Dig pits 18x18x12 ins., E.and W.of cor., 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N.of cor.  Sor.of Ts.8 and 9 S., Rs.1 and 2 E., hereinbefore described.							
and address republication of the continuous control of the control	۲.	Land, level.  Soil, sandy loam, 1st rate.  No timber.  Undergrowth, scattering greasewood and mesquite brus h.  April 1,1915.  W.K.K.							
	Boundaries of Township 9 South, Range 2 East. Latitudes, departures and closing errors.								
	Line d	signated Bearing. Dist. Latitudes. Departures.							

North, S,89°58'E. South,	480.00	Lati N. 480.00	.28	Departu E. 479.02	res.		
North, S,89°58'E.	479.02		.28		₩.		
S,89°58'E.	479.02	480.00		479.02			
S,89°58'E.	479.02	480.00		479.02			
South,				479.02			
	1/80-00						
	14000	1	480.00				
West,	479.62				479.62		
			_	46			
		480.00	480.28	479.48	479.62		
			480.00		479.48		
Error in latitude 0.28 Error in departure 0.3							

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Survey of North boundary of Township 9 South Range
Chains.
          W.K.K.
          Survey commenced March 31, 1915, and executed as follows: From the cor.of Ts.8 and 9 S., Rs.1 and 2 E., hereinbefore described, I run,
          East, on a random line along north bdy.of Tp., setting temp
               sec. cor. at 39.00 chs., and thereafter setting temp.
sec. and 4 sec.cors. author. 319.00 Set temp.cor.of secs. 2,3,34 and 35.

March 31, 1915.
               sec. and 4 sec. cors. at intervals of 40.00 chs.
          April 1, 1915. At this temp.sec.cor. at 8h. a.m., l.m.t., I set off 32°41'N.onvlatarc.418'N.on.declard&determine a
               meridian with the solar.
          Continue measurement;
          East, on a random line, setting temp. 2 sec. and sec.cors.
               at intervals of 40.00 chs., until at
479.02 Fall 22 1ks.N. of true point for cor. of Ts. 8 and 9 S., Rs.
               2 and 3 E. hereinbefore described (witness cor. 50 lks.
               N.)
           This falling answers to a correction of 0°2' to the
          counting from the west or 3 2/3 lks.per mile. From true point for Tp. cor., I run N.89° 58'W., on a true line, bet. secs.l and 36.
           Over rolling land, through scattering palo verde and iron
               wood.
  28.50 Ascend SE. slope, 30 ft.to
  35.00 Spur ridge, slopes S.
           Descend 30 ft.to
  Set an iron post 3 ft.long, 1 in. in diam., 18 ins. in the ground, to solid rock in a mound of stone, 3 ft. base, 1 ft. high, for 1 sec.cor., with brass cap, marked $ 3 5 on N., and $ 1 on S.half;
                                 1915 on S.rim.
           Pits impracticable.
           Build a mound of stone 3\frac{1}{2} ft. base, 2\frac{1}{2} ft. high, N. of cor.
           Ascend SE. slope, 30 ft.to
  44.50 Spur slopes S., summit, about 60 ft.high, brs.N.about 2
               chs.dist.
           Descend SW.slope of round hill.
  49.00 Change to rolling land.
56.50 Wash, 20 lks.wide, 2 ft. deep, course S.20°E.
74.25 Wash, 20 lks.wide, 2 ft. deep, course S.20° E.
80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor.of secs. 1, 2, 35 and 36, with brass
               cap, marked
                                  T 8 S R 2 E on N.half;
                                 S 36 in NE.,
                                  S 1 in SE.,
                                 S 2 in SW., and
S 35 in NW quadrants,
T 9 S on S half;
                         1915 on S.rim; from which,
'A palo verde, 8 ins. in diam., brs.S-66°40'W.,
95 lks.dist., marked T 9 S R 2 E S 2 B T.
A palo verde, 12 ins. in diam., brs.N.20°W.,17
lks.dist., marked T 8 S R 2 E S 35 B T.
           No other trees within limits.
           Build a mound of stone 3 ft. base, 2 ft.high, W. of cor.
           Land, rolling and hilly.
           Soilustony, 4th rate.
           Timber, scattering palo verde and ironwood.
           Undergrowth, greasewood brush, ocotillos and cacti.
           N.89°58'W., bet. secs. 2 and 35.
           Over rolling land, through greasewood brush and scattering
                palo verde and cacti.
  17.80 Wash, 100 lks.wide, 2 ft.deep, course S. 75° W. 37.40 Wash, 25 lks.wide, 2 ft.deep, course S.20°E.
```

```
North boundary of Township 9 South Range
Chains.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for a sec.cor., with brass cap, marked $\frac{1}{2}\text{ $35}\text{ on N., and}$

$\frac{1}{2}\text{ $35}\text{ on N., and}$

$\frac{1}{2}\text{ $20}\text{ S. nm;} \text{ from which,}$

$A palo verde, 6 ins. in diam., brs. N.8\frac{1}{2}\text{ $2.10}\text{ B.T.}$

$A palo verde, 10 ins. in diam., brs. S-80\frac{1}{2}\text{ $0.00}\text{ w.,}$

$95 1ks.dist., marked $\frac{1}{2}\text{ $2\text{ B.T.}}$

$52.10 Wash, 10 1ks.wide, 1 ft. deep, course S.

$57.40 Wash, 35 1ks.wide, 2 ft. deep, course S.

$57.40 Wash, 25 1ks.wide, 3 ft.deep, course S.

$61.90 Wash, 25 1ks.wide, 2 ft.deep, course S.

$57.50 Wash, 15 1ks.wide, 2 ft.deep, course S.

$50.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor.of secs.2,3,34 and 35, with brass
 Chains
                          the ground for cor. of secs. 2, 3, 34 and 35, with brass
                          cap, marked
                                                           T 8 S R 2 E on N.half;
                                                          S 35 in NE.,
                                                          S 2 in SE.,
                                                          S 3 in SW., and
S 34 in NW. quadrants;
T 9S on S half;
1915 on S.rim.
                  Build a mound of stone, 3 ft.base, 2 ft. high, W. of cor.
                  Land, rolling.
                  Soil, stony, 3rd rate.
Timber, scattering palo verde and ironwood.
                  Undergrowth, greasewood brush and cacti.
                  At this cor., I set off 4°21' N. on the decl.arc; and at
                         apparent noon observe the sun on the meridian; the resulting latitude is 32° 41'N.
                 N.89° 58' W., bet. secs.3 and 34.
Over rolling land, through greasewood brush and scattering palo verde and ironwood timber.
 11.90 Wash, 30 lks.wide, 2 ft. deep, course S.
22.80 Wash, 10 lks.wide, 1 ft. deep, course S.20°W.
40.00 Set an iron post 3 ft.long l in. in diam., 26 ins. in the
                         ground for 2 sec.cor., with brass cap, marked $ 34 on N., and $ 3 on S.half;
S 3 on S.half;

1915 on S.rim; from which,

A palo verde, 10 ins. in diam., brs.N.2½°W.,

106 lks.dist., marked ½ S 34 B T.

A palo verde, 8 ins. in diam., brs.S. 55° E.,

377 lks.dist., marked ½ S 3 B T.

44.00 Wash, 50 lks.wide, 3 ft. deep, course S.20°E.

Wash, 75 lks.wide, 2 ft. deep, course S.20°E.

Wash, 15 lks.wide, 3 ft. deep, course S.

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

in the ground for cor. of secs. 3,4, 33 and 34, with

brass can, marked
                          brass cap, marked
                                                           T 8 S R 2 E on N.half;
                                                           S 34 in NE.,
S 3 in SE.,
                                                           S 4 in SW., and
                  S 4 in Sw., and
S 33 in NW. quadrants;
T 9 S on S half;
1915 on S.rim.

Dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and
raise a mound of earth 4 ft.base, 2 ft.high, W.of cor.
                  Land, level and rolling.
                  Soil, stony, 3rd rate.
Timber, scattering palo verde and ironwood.
                  Undergwowth, greasewood and cacti.
```

```
West boundary of Township 9 South
 Chains
           North, between secs.19 and 24.
            Over level land, through greasewood brush and scattering
                mesquite.
 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for \( \frac{1}{4} \) sec.cor., with brass cap, marked \( \frac{1}{4} \) S 24 on W, and \( \frac{1}{2} \) S 19 on E half; \( \frac{1}{2} \) 1915 on S.rim.
           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.
 80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 13, 18, 19 and 24, with brass
                 cap, marked
                                     T 9 S on N.half;
R 2 E S 18 in NE.,
                                     S 19 in SE.,
                                     S 24 in SW., and
R 1 E S 13 in NW. quadrants;
                                     1915 ons.rim.
           Dig pits 18x18x12 ins., in each sec. 5 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
           Land, level.
           Soil, adobe, 1st rate.
           No timber.
           Undergrowth, scattering mesquite and greasewood brush.
           Native grass.
           North, between secs.13 and 18.
Over level land, through greasewood brush and scattering
                mesquite.
16.60 Road brs. N.40° W. and S.30°E.
40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the
                ground for sec.cor., with brass cap, marked $ $ 13 on.W., and $ 18 on E half;
1915 on S. rim.
           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
80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 7,12,13 and 18, with brass cap,
                marked
                                    T 9 S on N.half;
R 2 E S 7 in NE.,
S 18 in SE.,
                                    S 13 in SW., and R 1 E S 12 in NW quadrants;
                                     1915 on S.rim.
          Dig pits 18x18x12 ins., in each sec. 51 ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, W. of cor.
           Land, level.
           Soil, adobe, 1st rate.
           Timber, none.
           Undergrowth, greasewood brush and scattering mesquite.
          Native grass.
           North, between secs. 7 and 12.
           Over level land, through greasewood brush and scattering
               mesquite.
Leave brush NW. and SE. Enter grassy flat.

Soil, changes to sandy loam.

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

$\frac{1}{2}$ S 12 on W., and
$\frac{1}{2}$ 7 on E.half;
                                    1915 on S.rim.
```

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

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West boundary of Township 9 South, Range 2 East
chains
               raise a mound of earth 3 ft. base, 1 ft. high, W. of
 80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 1, 6, 7 and 12, with brass cap,
                                 T 9 s on N.half;
R 2 E S 6 in NE.,
                                  S 7 in SE.,
                                 S 12 in SW., and
R 1 E S 1 in NW quadrants;
1915 on S rim.
          Dig pits 18x18x12 ins., in each sec. 5½ ft. dist., and raise a mound of earth 4 ft.base, 2 ft.high, W. of cor.
          Land, level.
          Soil, adobe, 1st rate.
          No timber.
          Scattering greasewood brush and mesquite.
          Native grass.
          At this cor. I set off 3°58'N. on the decl.arc; and at apparent noon, observe the sun on the meridian; the resulting latitude is 32°39½N.
          North, between secs.l and 6.
 Over level land, covered with bunch grass.

25.00 Leave grassy flat, enter greasewood and scattering mesquite
              brush.
 40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the
              ground for 1 sec. cor., with brass cap, marked 2 S 1 on W., and S 6 on E.half;
                                  1915 on S.rim;
               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.
 80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of Ts. 8 and 9 S., Rs. 1 and 2 E., with
               brass cap, marked
                                 T 8 S on N. half;
R 2 E S 31 in NE.,
S 6 in SE.,
                                 S 1 in SW, and
                                 R 1 E S 36 in NW. quadrants; 7
                                 T 9 S on S half;
1915 on S.rim.
          Dig pits 24x24x12 ins., N., E. and W. 4 ft., and S. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, 2½ ft. high, S. of cor.
          Land, level.
          Soil, adobe, 1st rate. No timber.
          Undergrowth, greasewood and scattering mesquite brush.
          Native bunch grass.
                                                                  Mar. 31, 1915.
                                                                                W.K.K.
```

Chains.

No trees within limits.
Dig pits 18x18x12 ins., E.and W.of cor. 3 ft. dist., and raise a mound of earth 32 ft. base, 12 ft. high, S.of cor.

Cor. of Ts. 8 and 9 S., Rs. 3 and 4 E. hereinbefore described. Papago Indian Reservation bdy. runs S.and W. from this cor. on township boundaries.

Land, level.
Soil, sandy, 2nd rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood brush and cacti.

March 25, 1915.

W.K.K.

Boundaries of Township 9 South, Range 3 East. Latitudes, departures, and closing errors.

+			<del></del>									
	ine des	ignat ed	Bearing.	Dist.	Latit	udes.	Depai	rtures.				
П					N.	S.	E.	₩.				
П		•		•								
- ;	West Tp	.bdy.	North,	480.00	480.00	r	·					
	North, T		S.89°59'E.	479.06		.10	479.06					
		.bdy.	South,	480.00	·	480.00						
	South T	p.bdy.	West,	479.71				479.71				
$\prod$	Converg	ency		4			.46					
П		To.	tals,		480.00	480.10	479.52	479.71				
				*		480.00		479.52				
		Er	ror in lati	tude		0.10						
	<b>^</b> .	Er	Error in departure,									

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Survey of West bdy.of Township 9 South.Range 2 East
Chains.
             W.K.K.
             W.K.K.
Survey commenced Mar.31, 1915, and executed as follows:
From recent tests I know the transit and solar attachment to be in satisfactory adjustment. (See notes of T.9 S., R. 3 E., in book "M" for March 21st, for tests on a meridian established by observations on Polaris).

At 9h. a.m., 1.m.t., I set off 32° 35½ N. on the lat.arc; 3°56'N. on the decl.arc; and determine a meridian with the solar at the cor. of Ts.9 and 10 S., Rs.1 and 2 E., established by me and hereinbefore described.

Thence I run.
              Thence I run,
             North, between secs. 31 and 36.
 ing mesquite.

3.40.00 Set an iron post 3 ft.long, l in. in diam., 26 ins. in the ground for 4 sec.cor., with brass cap, marked 5 36 on W., and 5 31 on E.half;
             Over level land, through low greasewood brush and scatter-
             Dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of
   80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 25,30,31 and 36, with
                   brass cap, marked
                                       T 9 S on N.half;
                                       R 2 E S 30 in NE.,
                                       S 31 in SE.,
S 36 in SW., and
R 1 E S 25 in NW. quadrants,
                                       1915 on S.rim.
             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.
              Soil, adobe, 1st rate.
              Timber, none.
              Undergrowth, greasewood brush and scattering mesquite.
              Native grass.
              North, between secs. 25 and 30.
              Over level land, through greasewood brush and scattering
                   mesquite.
   Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1 sec.cor., with brass cap, marked 2 S 25 on W., and S 30 on E.half;
                                        1915 on S. rim;
                   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.
   80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins.in the ground for cor. of secs. 19,24, 25 and 30, with brass
                   cap, marked
                                        T 9 S on N. half;
                                       R 2 E S 19 in NE.,
                                        S 30 in SE.,
                                       S 25 in SW., and
R 1 E S 24 in NW. quadrants;
                                        1915 on S.rim.
              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.
              Soil, sandy loam and adobe, 1st rate.
              No timber.
              Undergrowth, greasewood brush and scattering mesquite.
              Native grass.
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95
                        West Boundary of T.8.8. R.2
Chains
            North bet. secs. 7 and 12.
            Over rolling land, through greasewood brush and scattering palo verde and iron wood timber.

Wash, 25 lks. wide, 3 ft. deep, course, W.
Set an iron poat 3 ft. long, 1 in. in diam., 26 ins. in
25.10
40.00
                  the ground for \(\frac{1}{4}\) sec. cor. with brass cap mkd. \(\frac{1}{4}\) S 12 on W., and, S 7 on E. half;
                                        1915 on S. rim
            Dig pits 18 X 18 X 12 ins. N. and S. of cor. 3 ft. digt.
                   and raise a mound of earth 3\frac{1}{2} ft. base, 1\frac{1}{2} ft. high
                   W. of cor.
            Wash, 10 lks. wide, 5 ft. deep, course, W. Wash, 75 lks. wide, 5 ft. deep, course, W. Wash, 50 lks. wide, 2 ft. deep, course, N. 70° W. Wash, 50 lks. wide, 2 ft. deep, course, N. 70° W. Wash, 50 lks. wide, 2 ft. deep, course, N. 70° W. Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 1, 6, 7 and 12, with
42.20
47.00
60.25
64.00
78.10
00.08
                  brass cap mkd.
                                         T 8 S on N. half;
                                       R2ES6 in NE.
                                       S7 in SE.
                                         S 12 in SW. and
                                         R 1 E S 1 in NW. quadrants,
                                         1915 on S. rim.
                   from which,
                         A palo verde, 8 ins. in diam., brs. N. 79½° E.
                                198 lks. dist. mkd. T 8 S R 2 E S 6 B T.
                         A palo verde, 10 ins. in diam., brs. S. 19\frac{1}{2}^{\circ} E. 140 lks. dist. mkd. Tr8 S R 2 E S 7 B T.
                         A palo verde, 14 ins. in diam., brs. S. 154° War 232 lks. dist. mkd. T 8 S R 1 E S 12 B T.
                         A palo verde, 8 ins. in diam., brs. N. 39\frac{1}{2}° W. 114 lks. dist. mkd. T 8 S R 1 E S 1 B T.
            Land, rolling.
            Soil, stony, 4th rate.
            Timber, scattering palo verde and iron wood.
            Undergrowth, greasewood brush, ocotillos and cacti.
            North bet. secs. 1 and 6.
Over rolling land, through greasewood brush and scattering palo verde and iron wood timber.
            Wash, 50 lks. wide, 3 ft. deep, course, W.
17.00
            Wash, 50 lks. wide, 3 ft. deep, course, W. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
33.00
40.00
                   the ground for \(\frac{1}{4}\) sec. cor. with brass cap mkd.
                                         \frac{1}{4} S 1 on W., and
                                         S 6 on E. half;
                                         1915 on S rim.
            Dig pits 18 X 18 X 12 ins. \tilde{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, 3 ins. in diam., 24 ins. in the ground for cor. of Ts. 7 and 8 S., Rs. 1 and 2 E.,
80.00
                   with brass cap mkd.
                                         T 7 S. on N. half;
                                         R 2 E S 31 in NE.
                                         S 6 in SE.
S 1 in SW. and
                                         R 1 E S 36 in NW. quadrants,
                                         T 8.S on S. half,
                                         1915 on S. rim.
            Build a mound of stone, 3 ft. base, 2\frac{1}{2} ft. high S. of cor.
            Land, rolling.
Soil, stony, 4th rate.
            Timber, scattering palo verde and iron wood.
            Undergrowth, greasewood brush, ocotillos and cacti.
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Apr. 3, 1915. W.K.K.

96

## Boundaries pof Subdivided and portion of T.8 S., R.2 E. Latitudes, departures and closing errors.

Line de	signated	Bearing.	Dist.	Latit	Latitudes.		Departures.	
				N.	s.	E.	W •	
West Ti	bdy	North	320.00	320.00				
ាស្ត្រីស្តី ប្រភព ក្រុមស្ត្រ ក្រុមស្ត្រី		S.89°55'E S.0° 3'E S.89°55'E	78.70 80.00		.11 80.00 .12	78.70 .07 80.06		
•	isional	3.0°2'E 8.89°56'E 5.0° 2'E		160.00	.10 .80 .00	.10 80.01 .05		
South !	Pp:bdy.	N.89°58'W	239.02	.14			239.02	
Converg	gency		ŧ			.10		
Totals	•			320.14		239.09	239.02	
	latitude n departu				320 · 14 0 · 19	239.02		

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Partial survey of North bdy of Township 8 South Range 3
                                                                                                                 Eas t
Chains
             W.K.K.
             Survey commenced March 19, 1915, and executed as follows: From recent and repeated field tests on a meridian estab-
                   lished by observations on Polaris, I know the transit
                   and solar attachment to be in satisfactory adjustment.
             Preliminary to survey of this Tp. bdy., I commence at cor. of Ts.8 and 9 S., Rs.3 and 4 E., hereinbefore described, and run north on a blank line, through Papago Indian
                                              At 40.00 chs.N.of Tp.cor., high, rough
                  Reservation
                   mountains on this blank line makes its continuation
             N. impracticable; therefore, I offset as follows: April 10, 1915: For recent tests of transit and solar attachment on a mer-
                   idian established by observations on Polaris, see notes
                   of April 5, 1915, in Book "O".
             I run west 40.00 chs., and set temp.offset point. At apperent
            noon this point, I set off 32°41'N on the lat.arc; 7°45'N. on the decl.arc; and determine a meridian with the solar. Thence I run, North 440.00 chs.to offset point.
             Thence I run East, 40.00 chs. to a point 480.00 chs.N.of the cor.of Ts.8 and 9 S., Rs.3 and 4 E., hereinbefore described, where on April 12, 1915, I set an iron post 3 ft.long, 3 ins. in diam., 12 ins. in the ground to solid rock, in a mound of stone, 3 ft.base, 2 ft. high, for cor.of Ts. 7 S., Rs.3 and 4 E. (Ts.8 S., Rs.3 and 4 E. falling inside Parago Indian Reservation) with
                   E. falling inside Papago Indian Reservation), with
                  brass cap, marked
                                         T 7 S on N.half;
R 4 E S 31 in NE.,
R 3 E S 36 in NW. quadrants; and
P I R on S.half;
                                          1915 on S.rim.
             Build a mound of stone, 3 ft. base, 2 ft.high, N.of cor.
             Papago Indian Reservation Bdy. runs E. and W. on Tp. bdrs.from
             this cor.
Thence I run,
             West, on the S.bdy. of sec. 36, N, of Papago Indian Reserva-
                   tion.
             Over level land, through greasewood brush and scattering
                   palo verde and ironwood timber.
             palo verde and ironwood timber.

Wash, 25 lks.wide, 3 ft. deep, course N.

Ascend NE. slope, 60 ft.to

Change to N.slope; top of mountain br's.N.about 12 chs.dist.

Set an iron post 3 ft.long, 1 in. in diam., on surface
rock, in a mound of stone, 4 ft. base, 3 ft. high, for

1 sec.cor. of sec.36 (sec.1 being inside Papago Indian
becommentally with brass cap. marked
10.00
26.50
35.00
40.00
                   Reservation), with brass cap, marked
                                             S 36 on N., and IR on S. half;
                                          1915 on S.rim.
             Pits impracticable.
             Build a mound of stone, 3½ ft. base, 2½ ft. high, N. of cor At this cor., at 9h. a.m., l.m.t., I set off 32°46'N. on the lat.arc; 8°29'N. on the decl.arc; and determine
                   a meridian with the solar.
             Descend NW. slope, 69 ft. to
             Wash, 20 lks.wide, 1 ft. deep, course NE.
Wash, 50 lks.wide, 3 ft. deep, course N.70 E.
Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor.of secs. 35 and 36 (secs.1 and 2
49.96
80.00
                   being inside Papago Indian Reservation ) with brass
                   cap, marked
                                          T 7 S R 3 E on N.half;
S 36 in NE., and
S 35 in NW. quadrants,
                                          PÍR on S.half;
                                1915 on S.rim; from which,
A palo verde, 8 ins. in diam., brs.N.362°E.,23
lks.dist., marked T 7 S R 3 E B 36 B T.
An ironwood, 5 ins. in diam., brs.N.67°W., 67
                                      1ks.dist., marked T 7 S R 3 E S 35 B T.
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Chains
                  Land, level and hilly.
                  Soil, stony, 3rd rate.
Timber, scattering palo verde and ironwood.
                   Undergrowth, greasewood brush.
                  West, on S.bdy. of sec. 35, N. of Papago Indian Reservation.
                  Over rolling land, through greasewood brush and scattering palo verde and ironwood.
                  Wash, 20 lks.wide, 1 ft. deep, course N.70°E.
Wash, 20 lks.wide, 1 ft. deep, course N.70°E.
Wash, 75 lks.wide, 3 ft. deep, course NE.
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
the ground for 1 sec.cor. of sec.35 (sec.2 being inside
 .10
36.00
39.50
  40.00
                         Papago Indian Reservation) with brass cap, marked
                                                      4 S 35 on N., and P I R on S.half;
                  Piron S.nalf;
1915 on S.rim; from which
A palo verde, 10 ins. in diam., brs.N.40% E.,49
lks.dist., marked % S35 B T.

Wash, 100 lks.wide, 1 ft. deep, course N.60 E.

Wash, 100 lks.wide, 3 ft. deep, course N.60 E.

Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
the ground, for cor.of secs.34 and 35 (secs.2 and 3
being inside Papago Indian Reservation), with brass
  45.00
  72.90
                          cap, marked
                                                       T 7 S R 3 E on N.half;
                                                      S 35 in NE., and
S 34 in NW. quadrants;
P I R on S.half;
                                          1915 on S.nair,
1915 on S.rim; from which,
A palo verde, 18 ins. in diam., brs.N.82°E.,
101 lks.dist., marked T 7 S R 3 E S 35 B T.
An ironwood, 10 ins. in diam., brs. N.132°W.,
109 lks.dist., marked T 7 S R 3 E S 34 B T.
                   Land, rolling.
                                                                            3rd rate.
                   Soil, sandy and gravel, 3rd rate.
Timber, palo verde and ironwood; growth dense along washes.
                   Undergrowth, greasewood brush.
                   West, on S.bdy.of sec.34, N.of Papago Indian Reservation.
Over rolling land, through greasewood brush and scattering palo verde and ironwood.
     9.00
                   Wash, 100 lks.wide, 1 ft. deep, course N.60°E.
                   Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 4 sec.cor. of sec.34 (sec.3 being inside of Papago Indian Reservation,) with brass cap,
  40.00
                          marked
                                                       A S 34 on N., and P I R on S.half;
                          1915 on S.rim; dig pits 18 \times 18 \times 12 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.
                   Wash, 50 lks.wide, 1 ft. deep, course N.50°E.
Wash, 25 lks.wide, 5 ft. deep, course NE.
Wash, 25 lks.wide, 5 ft. deep, course N.60°E.
Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor.of secs.4, 33 and 34 (sec.3 being
inside Papago Indian Reservation) with brass cap,
  42.30 70.10
   76.00
   80.00
                          marked
                                                  T 7 S R 3 E on N.half;
                                                 S 34 in NE.,
P I R in SE.,
                                                 S 4 in SW., and
S 33 in NW.quadrants;
T 8 S in S.half;
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Partial North boundary of Township 8 South Range 3 East
Chains.
             1915 on S.rim.
Builda mound of stone 3½ ft. base, 3½ ft. high, W. of cor.
Boundary of Papago Indian Reservation runs east on Tp.bdy.
                   and south on Subdivision line from this cor.
             Land, rolling.
             Soil, sandy and stony, 3rd rate.
Timber, scattering palo verde and ironwood.
Undergrowth, greasewood brush.
             West, bet. secs. 4 and 33.
Over rolling land, through cacti and scattering palo verde,
                   and ironwood timber.
             Wash, 75 lks.wide, 2 ft. deep, course N.60° E.
Wash, 35 lks.wide, 2 ft. deep, course N.60°E.
Wash, 50 lks.wide, 2 ft. deep, course N.70°E.
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
the ground for ½ sec.cor., with brass cap, marked

2 $33 on N., and
$14 on 5 half:
  5,00
9.50
32.00
40.00
                                          $ 4 on S.half;
1915 on S.rim,
                   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.
             Wash, 75 lks.wide, 2 ft.deep, course N.
Set an iron post 3 ft.long, 3 ins. in diam., 20 ins. in
the ground, to solid rock, in a mound of stone, 2½ ft.
base, 1 ft. high, for cor.of secs.4,5,32 and 33, with
42.00
80.00
                   brass cap, marked
                                          T 7 S R 3 E on N.half;
S 33 in NE.,
                                          S 4 in SE.,
S 5 in SW., and
                                          S 32 in IW. quadrants, T 8 S on S.half;
                                1915 on S.rim; from which,
A palo verde, 12 ins. in diam., brs. S.2° E.,
70 lks. dist., marked T 8 S R 3 E S 4 B T.
A palo verde, 14 ins. in diam., brs.S.172°W.,
143 lks.dist., marked T 8 S R 3 E S 5 B T.
             No other trees within limits.
              Build a mound of stone, 3 ft.base, 2 ft.high, W.of cor.
             Land, rolling.
             Soil, sandy and stony, 3rd rate.
Timber, scattering palo verde and ironwood.
Undergrowth, ocotillos and cacti.
                   this cor. I set off 8°30' N.on the decl.arc; and at apparent noon, observe the sun on the meridian; the resulting latitude is 32° 46' N.
             At this cor.
             West, between secs. 5 and 32.
Over rolling land, through palo verde and ironwood timber
20.00
             Wash, 100 lks.wide, 2 ft. deep, course NE.
35.00
             Ascend gradual SW. slope of round hill
             Set an iron post 3 ft.long, 1 in. in diam., 26 ins.
the ground for f sec.cor., with brass cap, marked

$ 32 on N., and
$ 5 on S.half;

1915 on S.rim.

Build a mound of stone 35 ft. base 2 ft. high N of
40.00
                                                                                 in diam., 26 ins. in
             Build a mound of stone 3 ft. base, 2 ft. high, N. of cor.
             Ascend NE. slope, 35 ft. to
             Top of spur, slopes S.
45.00
            Descend SW. slope, 33 ft.to
Wash, 30 lks.wide, 5 ft.deep, course SE.
Ascend NE. slope, 194 ft.to
51.00 4
             Spur slopes NE.
65.80
             Descend NW slope, 74 ft. to
             Wash, 25 lks.wide, 4 ft. deep, course N.70°E.
```

Chains
Ascend NE. slope, 30 ft.to
Top of spur, slopes S.; descend SW. slope, 38 ft.to
Set an iron post 3 ft.long, 3 ins.in diam., 18 ins. in
the ground to solid rock, in a mound of stone, 3½ ft.
base, 1½ ft. high, for cor.of secs.5,6,31 and 32, with
brass cap, marked

T 7 S R 3 E on N.half;
S 32 in NE.,
S 5 in SW., and
S 31 in NW. quadrants;
T 8 S on S.half;
1915 on S.rim;
build a mound of stone 3½ ft. base, 2½ ft. high.W.of
cor.
Discontinue survey of Tp. bdy. at this cor.
Land, rolling and hilly.
Soil, gravelly and stony, 4th rate.
Timber, scattering palo verde and ironwood.
Undergrowth, occillos and cacti.

Maril 12, 1915.

W.K.K.

Boundaries of Subdivided portion of T.8 S., R.3 E.
Latitudes, departures, and closing errors.

Line designated. Bearing. Dist.

Line designated. Bearing. Dist.

Latitudes. Departures.

Line d	esignated.	Bearing.	Dist.	Latitud	les. S.	Depart E.	ures.	
Subdivis West bdy	1	N.0° 3' W. N.0°1' W.	400.00	400.00 80. <b>07</b>			•35 •02	
	p.bdy.	East.	160.00			160.00		
Subdivis		S.0°7'W. S.0°2'E.	79.93		79.93 400.00		.02	
South		N.89° 59'W.	160.00	.05			160.00	
Converge						.15		
	480.12	479.93	160.38	160.39 160.38				
t .	Error in latitude 0.19 Error in departure 0							

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Survey of South bdy.of Township 7 South Range / East.
    Chains
                W.K.K.
               Survey commenced April 16, 1915, and executed as follows: April 10, 1915: At a point near camp in sec. 16, T.8 S.,
               R.3 E., I correct the level and collimation errors; then to test the solar apparatus on a meridian established by observations on Polaris, I proceed as follows:

At 6h. 13m., p.m., l.m.t., I observe Polaris at western
                    elongation in accordance with instructions in the Manu-
                    al of Surveying, and lay off the azimuth of Polaris,1°
                    21' to the east. On the meridian thus determined I set a rod 10.00 chs. N. of my station.
               April 11,1915. At 8h. a.m., l.m.t., I set off 32°43'N.on the lat.arc; 8°5'N. on the decl.arc; and determine a
                    meridian with the solar. The meridian thus determined
                    falls within less than 1' of azimuth to the east of the
                    meridian established by observations on Polaris.
               At 4h.p.m., l, m.t., I set off 32°43'N. on the lat.arc; 8°12'
                    N.on the decl.arc; and determine a meridian with the
                    solar.
                               The meridian thus determined falls less than 1'
                    to the west of the meridian established by observations on Polaris. I therefore conclude that the adjustments of the transit and solar apparatus are satisfactory
               April 16,1915: At 8h. a.m., 1.m.t., I set off 32°46'N. on the lat.arc; 9°54'N.on the decl.arc; and determine a meridian with the solar at the cor. of Ts.7 S., Rs.3
                    and 4 E. hereinbefore described. Markings on this cor.
                    referring to Ts.8 S., Rs.3 and 4 E. omitted for the reason that said Ts. are inside boundary of Papago
                    Indian Reservation SE. and SW. of this cor.
                   te: This Tp. boundary being identical throughout its entire length with the N. bdy.of the Papago Indian Reservation, I omit sec.and Tp. markings in the S. halves of the brass caps, marking thereon "P.I.R.", indi-
               Note:
                    cating that the area S. of the line is within the Papago Indian Reservation.
               Thence I run,
               East, on a true line, along south bdy.of sec.31.
               Over level land, through greasewood brush, palo verde and
ironwood timber.

17.50 Wash, 35 lks.wide, 5 ft. deep, course N. Ascend W. slope of ridge, 342 ft.to
      33.35 Top of ridge, brs.N.and S., 15 chs.dist.
     Descend E.slope, 154 ft.to
40.00 Set an iron post 3 ft.long, 1 in. in diam., 8 ins. in the ground, to, solid rock, in a mound of stone, 3½ ft. base,
                    2 ft.high, for { sec.cor., with brass cap, marked { S 31 on N., and P I R on S.half;
                                      1915 on S.rim.
               Pits impracticable.
               Build a mound of stone, 3 ft. base, 3 ft.high, N.of cor. Descend S.slope, 85 ft.to
     45.00 Change to gentle E.slope.
      50.00 Over level land.
     80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 31 and 32, with brass cap,
                   marked.
                                      T 7 S R 4 E on N.half;
                                      S 32 in NE., and
S 31 in NW. quadrants,
P I R on S.half;
                                      1915 on S.rim.
               Dig pits 24x24x12 ins., NE. & NW. of post, 6 dt. dist., and
                   raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.
               Land, mountainous and level.
               Soil, gravelly and stomy, 2d and 4th rate.
               Timber, palo verde and ironwood.
               Undergrowth, greasewood brush, ocotillos and cacti.
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South boundary of Township 7 South
Chains.
East along S.bdy.of sec.32.

Over level land, through scattering timber and undergrowth.

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

S 32 on N., and
                                                    P I R on S.half;
                                                    1915 on S.rim.
                 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
   78.50 Wash, 25 lks.wide, 2 ft. deep, course NE.
80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground for cor.of secs.32 and 33, with brass cap,
                        marked
                                                    T 7 S R 4 E on N.half;
                                                    S 33 in NE., and
S 32 in NW. quadrants,
P I R on S.half;
                                        1915 on S.rim; from which,
A palo verde, 18 ins. in diam., brs.N.32°40'E.,
391 lks.dist., marked T 7 S R 4 E S 33 B T.
An ironwood 10 ins. in diam., brs.N.2\(\frac{2}{2}\)°W.,242
lks.dist., marked T 7 S R 4 E S 32 B T.
                  Land, level.
                  Soil, sandy loam, 1st rate.
                  Timber, scattering palo verde and ironwood.
                  Undergrowth, greasewood brush.
                  East, along south bdy.of sec.33.

Over level land, through scattering timber and undergrowth.
   12.50 Wash, 25 lks.wide, 1 ft. deep, course N.70°E.
28.10 Wash, 10 lks.wide, 1 ft. deep, course NE.
40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
                         the ground for \frac{1}{2} sec.cor., with brass cap, marked \frac{1}{2} S 33 on N., and P I R on S.half;
    1915 on S.nall;
1915 on S.rim; fromwhich
A palo verde, 8 ins. in diam., brs.N.14°W.,91
lks.dist., marked \( \frac{1}{4} \) S 33 B T.

60.00 Wash, 25 lks. wide, 1 ft. deep, course NE.
80.00 Set an iron post, 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor. of secs. 33 and 34, with brass cap,
                         marked
                                                     T 7 S R 4 E on N.half;
                                                    S 34 in NE., and
S 33 in NW. quadrants;
P I R on S.half;
                                         1915 on S.rim; from which A palo verde, 8 ins. in diam., brs. N. 54½ E.,
                  112 lks.dist., marked 4 S 34 B T.

No other trees within limits. Dig pits 24x24x12 ins.NE.

& NW.of post, 6 ft. dist., and raise a mound of earth 4 ft.

base, 2 ft.high, N.of cor.
                   Land, level.
                   Soil, sandy loam, 1st rate.
                   Timber, palo verde and ironwood.
                   Undergrowth, greasewood brush.
    East, along S. bdy.of sec.34.

Over level land, through scattering timber and undergrowth.

Road brs.N.10°W. and S.10°E.

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

1 S 34 on N., and
1 I R on S.half;
                                                     1915 on S.rim;
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South boundary of "ownship 7 South Range 1 East.
Chains.
                  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.
  Wash, 25 lks.wide, 2 ft. deep, course NE.

80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 34 and 35, with brass cap,
                  marked
                                       T 7 S R 4 E on N.half;
                                       S 35 in NE., and
S 34 in NW. quadrants;
P I R on S.half;
1915 on S.rim;
                  dig pits 24x24x12 ins., NE. & NW. of post, 6 ft. dist., and
                  raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.
             Land, level.
             Soil, sandy loam, 1st rate.
Timber, scattering palo verde and ironwood.
             Undergrowth, greasewood brush.
             Wast, along south bdy.of sec. 35.
  Over level land, through scattering timber and undergrowth.

Set an iron post 3 ft.long, l in.in diam., 26 ins. in the ground for 4 sec.cor., with brass cap, marked

1 S 35 on N., and
P I R on S.half;
                                       1915 on S.rim.
            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.
  73.30 Old road, brs. N.20°W. and S.20°E.
80.00 Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for cor.of secs.35 and 36, with brass cap,
                  marked
                                       T 7 S R 4 E on N.half; S 36 in NE., and
                                       S 35 in NW quadrants,
                                       P I R on Shalf;
                  1915 on S.rim;
dig pits 24x24x12 ins., NE. & NW. of post, 6 ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.
             Land, level.
             Soil, sandy loam, 1st rate.
             Timber, scattering palo verde and ironwood. Undergrowth, greasewood brush.
             Too cloudy for latitude observation.
   East, along south bdy. of sec. 36.
Over level land, through scattering undergrowth.
Wash, 50lks.wide, 5 ft. deep, course N.
Enter mesquite thicket, brs.NW. and SE.
  40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
                  the ground, for sec.cor., with brass cap, marked $ 36 on N., and P I R on S.half;
              1915 on S.rim.

Dig pits 18x18x12 ins., E.and W. of cor., 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high,
                  N.of cor.
   78.22 Intersect closing cor. of Ts. 8 S., Rs. 4 and 5 B. on First
 Guide Meridian, East, established by W.H.T, and described in Book "A." Fontinue measurement.

124.22 Road brs. N. 20°E. and S. 20°W.
 125.22 Two Indian houses bear N. 5 chs.dist.
128.22 Indian house brs. N.5 chs.dist.
           Corral and well brs. N. 8 chs. dist.; both dilapidated and
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South boundary of Township 7 South, Range 4 Chains. and unused. 160.86 Intersect 1st.Guide Meridian E., 13.79 chs.S.0°9'E.of a sec.cor.of sec.31, T.7 S/,R.5 E., reestablished by W. sec. cor.or sec.or, T./ S/, R.o E., reestablished by W.
H.Thorn, U.S.Surveyor, and described in Book "A."

At point of intersection, set an iron post 3 ft.long, 3 ins.
in diam., 24 ins. in the ground for cor.of T.7 S.,
R.4 E. (SE. cor.) with brass cap, marked
T 7 S R 4 E S 36 in NW., and
P I R in SW.quadrant;
1915 on S.rim;
dig pits 36x36x12 ins. H and W of cor. 8 ft. dist. dig pits 36x36x12 ins., N.and W.of cor. 8 ft. dist., and raise a mound of earth 5 ft. base,  $2\frac{1}{2}$  ft. high, NW. of cor.

Boundary of Papago Indian Reservation runs N.and W.from this cor. on Tp. boundaries.

Land, level. Soil, sandy adobe, 1st rate.

Timber, none.

Undergrowth, greasewood brush and sagebrush. April 16, 1915. W.K.K.

Boundaries of Township 8 South, Range 5 East. Latitudes, departures, and closing errors.

Line design	nated.	Bearing.	Dist.	Latitu	des.	Departu	es.
West Tp.bd;	,	North,	479.10	479.10	Э,		W
North Tp.b (Part of S. 7 S.R.4E., 1st.Guide thro.T.7S.	dy. bdy.T. part of Mer.E., % S.bdy	S.89°13'E. N.89°24'E. S.89 <b>°43</b> 'E.	80 <b>.1</b> 5 40 <b>.</b> 26	.84	26.35 1.09	79 <b>.6</b> 7 80 <b>.</b> 15 40 <b>.</b> 26	
of'T.7 S.R East Tp.bd	y <b>.</b>	N.09-44 E. S.0°4'W. S.0°12'W. S.0°30'W.	322.08 120.57 10.56	1.30	322.08 120.57 10.56	279.90	•37 •42 •09
South Tp.b	~	West,	562.47			- 51	562.47
Convergenc	481.24 480.85 0.39	480.85	563.20	563.35 563.20 0.15			

105.

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Survey of West boundary of T.7 S.R.4 E.
Chains W.K. Survey commenced April 17,1915, and executed as follows: At 8h., a.m., 1 m.t., 1 set off 32° 46' N. on the lat. arc; 10° 15' N. on the decl. arc. and determine a mer. with the solar, at the cor. of Ts. 7 S., Rs. 3 and 4 E., hereinbefore the scribed (on N. bdy. of
            The Papago Indian Reservation)
                                                           Thence I run,
           North bet. secs. 31 and
           Over level land, through greasewood brush and scattering
                 palo verde and iron wood timber.
           Wash, 25 lks. wide, 2 ft. deep, course, N. 70° E. Wash, 20 lks. wide, 2 ft. deep, course, N. 70° E. Wash, 35 lks. wide, 2 ft. deep, course, N. 60° E. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
24.00
30.00
38.60
40.00
                 the ground for \frac{1}{4} sec. cor. with brasscap mkd.
                                     \frac{1}{4} S 36 on W. and S 31 on E. half,
                                     1915 on S. rim.
           Dig pits 18 X 18 X 12 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.
           Wash, 25 lks. wide, 2 ft. deep, course, NE. Wash, 50 lks. wide, 2 ft. deep, course, NE.
40.50
51.90
           Wash, 25 lks. wide, 2 ft. deep, course, NE. Wash, 25 lks. wide, 2 ft. deep, course, NE. Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
56.50
78.00
80.00
                 the ground for cor. of secs. 25, 30, 31 and 36, with
                 brass cap mkd.
                                     T 7 S on N . half,
                                     R 4 E S 30 in NE.
                                     S 31 in SE. and
                                     R 3 E S 25 in NW. quadrants, and
                                     1915 on S. rim.
                 from which,
                       An iron wood 12 ins. in diam., brs. N. 70° E.
                             112 lks. dist. mkd. T 7 S R 4 E S 30 B T.
                       An iron wood 36 ins. in diam., brs. N. 60\frac{3}{4}° W. 242 lks. dist. mkd. T 7 S R 3 E S 25 B T.
           No other trees within limits.
           Dig pits 18 X 18 X 12 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.
           Soil, sandy loam, 1st rate.
           Timber, palo verde and iron wood.
           Undergrowth, greasewood brush.
           North bet. secs. 25 and 30.
           Over level land, through iron wood and greasewood brush.
           Wash, 35 lks. wide, 2 ft. deep, course, NE. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 3.50
40.00
                 the ground for \( \frac{1}{4} \) sec. or. with brass cap mkd.
                                    1 S 25 on W. and S 30 on E. half, 1915 on S. bim,
                 from which,
                       An iron wood 30 ins. in diam., brs. S. 22° W.
                             189 1ks. dist. mkd. \frac{1}{4} S 25 B T.
           No other trees within limits.
Dig pits 18 X 18 X-12 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.
           Wash, 15 lks. wide, 1 ft. deep, course, NE. Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
52.50
80.00
                 the ground for cor. of secs. 19, 24, 25 and 30, with
                 brass cap mkd.
                                     T 7 S on N. half
                                         4 E S 19 in NE.
                                     \mathbf{K}
                                      S 30 in SE.
                                     S 25 in SW. and
```

R 3 E S 24 in NW. quadrants, and

1915 on S. rim.

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West boundary of T.7 S. R.4 E
  106
Chains
               from which,
                     A palo verde, 14 ins. in diam., brs. N. 4° E. 110 lks. dist. mkd. T 7 S R 4 E S 19 B T.
                     An iron wood 12 ins. in diam., brs. S. 46\frac{1}{4}° E.
                       270 1ks. dist. mkd. T 7 S R 4 E S 30 B T.
          No other trees within limits. Dig pits 18 X 18 X 12 ins. in each sec. 5\frac{1}{2} ft. dist. and
               raise a mound of earth 4 ft. base, 2 ft. high W. of
         Land, level.
          Soil, sandy loam, lst rate. Timber, iron wood and palo verde.
          Undergrowth, greasewood brush.
          North bet. secs. 19 and 24.
          Over level land, through greasewood brush and palo verde
               and iron wood timber.
          Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 4 sec. or. with brass cap mkd.
40.00
                                  \frac{1}{4} S 24 on W. and
                                  S 19 on E. half,
                                  1915 on S. rim.
          Dig pits 18 X 18 X 12 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.
          Wash, 35 lks. wide, 2 ft. deep, course, N. 60° B. Wash, 35 lks. wide, 2 ft. deep, course, N. 60° E. Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 13, 18, 19 and 24,
44 .00
55.00
00.08
               with brass cap mkd.
                                  T 7 S on N. half,
R 4 E S 18 in NE.
                                  S 19 in SE.
                                  S 24 in SW. and
                                  R 3 E S 13 in NW. quadrants, and
                                  1915 on S. rim,
                from which,
                     An iron wood tree, 12 ins. in diam., brs. N. 19\frac{1}{4} W.
                          223 1ks. dist. mkd. T 7 S R 3 E S 13 B T.
          No other trees within limits.
          Dig pits 18 X 18 X 12 ins. in each sec. 5½ ft. dist. and
                raise a mound of earth 4 ft. base, 2 ft. high W. of
                cor.
          Land, level.
          Soil, sandy loam, lst rate.
Timber, iron wood and palo verde.
          Undergrowth, greasewood brush.
          North bet. secs. 13 and 18.
          Over level land through greasewood brush and scattering
                palo verde and iron wood.
          Wash, 15 lks. wide, 1 ft. deep, course, NE. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 2.80
40.00
                the ground for \(\frac{1}{4}\) sec. cor. with brass cap mkd.
                                   \frac{1}{4} S 13 on N \frac{1}{2} and
                                   \hat{\mathbf{S}} 18 on \mathbf{S} . half, while
                                  1915 on S. rim,
                from which,
                     No other trees within ligits.
Dig pits 18 X 18 X 12 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, 3 ins. in dism., 24 ins. in the ground for cor. of secs. 7, 12, 13 and 18, with
80.00
                brass cap mkd.
                                     7 S on N. half,
```

R 4 E S 7 in NE.

```
houndary of Township 7 South Range 4 East
Chains
                                        S 18, in SE.,
                                     S 13 in SW., and
R 3 ES 12 in NW. quadrants,
1915 on S.rim; from which
            A palo verde, 10 ins. in diam., brs. N.654°E., 189 lks.dist., marked T 7 S R 4 E S 7 B T. No other trees within limits.
            Dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
             Land, level.
             Soil, sandy loam, 1st rate/
             Timber, scattering palo verde and ironwood.
            Undergrowth, greasewood brush.
            At this cor. I set off 10° 18' N. on the decl.arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 32°50'N.
                  North, bet. secs. 7 and 12.

Over level land, through greasewood brush, and palo verde and ironwood timber.
            wash, 35 lks.wide, 2 ft. deep, course NE.

Wash, 20 lks.wide, 2 ft. deep, course N.70°E.

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

$\frac{1}{2}$ $ 12 on \text{W}, and

$\frac{1}{2}$ $ 7 on E half;
32.50
39.00
40.00
                                       1915 on S.rim.
            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.
            Wash, 24 lks.wide, 2 ft.deep, course N.60°E.
Set an iron post, 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for cor.of secs.1,6,7 and 12, with brass
70.00
80.00
                cap, marked
                                        T 7 S on N.half;
                                       R 4 E S 6 in NE.,
S 7 in SE.,
                                       S 12 in SW., and
                                       R 3 E S 1 in NW. quadrants; 1915 on S.rim.
            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.
            Soil, sandy loam, 1st rate.
Timber, palo verde and ironwood.
            Undergrowth, greasewood brush.
            North, bet. secs.1 and 6.
            Over level land, through greasewood brush and palo verde
                 and ironwood timber.
            Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 2 sec.cor., with brass cap, marked 2 S 1 on W., and S 6 on E.half;
40.00
                                       1915 on S.rim.
            Dig pits 18x18x12 ins., N.and S.of cor., 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W.of
            Intersect S.bdy.of T.6 S.,R.3 E., 127 lks.W.of cor.of secs. 1,2,35 and 36, which is an iron post 3 ft.long, 3 ins. in diam., 1 ft. above ground, marked and witness and as described by the Surreyon Conormal. I change market
54.71
                 ed as described by the Surveyor General. I change markings and accessories of this cor. in proper manner to make it refer to secs. 35 and 36 only, and at point of
                  intersection,
            Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in
                  the ground for closing cor. of Ts. 7 S., Rs.3 and 4
                  E., with brass cap, marked
```

108 West boundary of Township 7 South Range 1 Chai ns C C S. of center, R 4 E S 6 in SE., and R 3 E S 1 in SW.quadrants; T 7 S on S.half; 1915 on S.rim. Dig pits 30x24x12 ins. crosswise on each line, E. and W.4 ft., and S. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, 2 ft. high, S. of cor. Land, level. Soil, sandy loam, 1st rate. Timber, palo verde and ironwood. Undergrowth, greasewood brush. April 17, 1915. W.K.K. Boundaries of Township 7 South, Range 4 East. Latitudes, departures, and closing errors. Line designated Bearing. Dist. Latitudes. Departures. W. S. E. West Tr.bdy. North,
North Tr.bdy. East,
East Tr.bdy. S.0°6'W.
(lst.Guide Mer.S.0°15'E.
E.0°12'E. 454.71 459.41 454.71 559.41 40.12 40.15 80.38 80.16 .0 40.12 40.15 80.38 80.16 .17 .28 S.O° 1'E. .02 40.29 .10 s.0° 9'W. 40..29 S.0°18'E. S.0° 9'E. 40.29 134.19 560.86 .21 **134.**19 35 West, 560.86 South Tp. bdy. (N.bdy.H.I.R). 560.96 Convergency 455.58 454.71 561.03 560.96 454.71 Totals.

Error in latitude. Error in departure

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Survey of N. 2 of W. bdy. of T.7 S. R.3 E.
                                                                                            109.
Chains
           W.H.T.
            Survey commenced Apr. 26, 1915, and executed, as follows:
            From recent and repeated field tests, I know the transit and solar attachment to be in satisfactory adjustment
           At 3h., p.m., l.m.t., I set off 32° 49½ N. on the lat. arc; 13° 24' N. on the decl. arc; and determine a mer. with
                  the solar, at the cor. of secs. 13, 18, 19 and 24, sestablished by me and described in book "R."
            Thence I run
            North bet. secs. 13 and 18.
            Over rolling land, through scattering timber and under-
                 growth.
           Wash, 35 lks. wide, 4 ft. deep, course, NE. Bend in wash, 35 lks.wide, 4 ft. deep, course, from SE.
 5.70
25.00
                  to NE.
           Wash, 30 lks.wide, 2 ft. deep, course, NE. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
26.40
40.00
                  the ground, for \frac{1}{4} sec. cor. with brass cap mkd. \frac{1}{4} S 13 on W. and
                                       S. 18 on E. half,
                                       1915 on S. rim,
                 from which,
                       A palo verde, 10 ins. in diam., bra. S. 63\frac{1}{2} W.
                              118 1ks. dist. mkd. 1 S 13 B T.
                        An iron wood, 8 ins. in diam., brs. N. 70\frac{1}{2}° E. 83 lks. dist. mkd. \frac{1}{4} S.18 B T.
           Wash, 40 lks. wide, 4 ft. deep, course, NE. Wash, 70 lks., wide, 10 ft. deep, course, NE.
58.10
73.90
           Wash, 80 lks. wide, 16 ft. deep, course, NE.

Set an iron post 3 ft. long, 3 ins. in diam., 12 ins. in
the ground, to solid rock, in a mound of stone,
4 ft. base, 2 ft.high for cor. of secs. 7, 12, 13 and
76.00
80.00
                 18, with brass cap mkd.
                                       T 7 S on N. half,
R 3 E S 7 in NE.
                                       S 18 in SE.
                                       S 13 in SW . and
                                       R 2 E S 12 in NW. quadrants,
                                       1915 on S. rim.
           Build a mound of stone, 3 ft. base, 2 ft. high W. of cor. Land, rolling, covered with malpais boulders.
            Soil, stony, 4th rate, granite, limestone, and volcanic
                  formation.
            Timber, scattering palo verde and iron wood.
           Undergrowth, greasewood brush, ocotillos and cacti.
                                                                  Apr. 26, 1915.
            Apr. 27, 1915, at &h., a.m., l.m.t., I set off 32° 50½' N. on the lat. arc; 13° 38' N. on the decl. arc. and deter-
                  mine q mer. with the solar, at the cor. of secs.
            7, 12, 13 and 18. Thence I run
            North bet. secs. 7 and 12.
            Over rolling land, through scattering timber and under-
                 growth.
            Wash, 25 lks. wide, l ft. deep, course, NE. Set an iron post 3 ft. long, l in. in diam., 26 ins. in
31.20
40.00
                  the ground for \( \frac{1}{4} \) sec. cor. with brass cap mkd.
                                       \frac{1}{4} S 12 on W. and
                                       S 7 on E. half,
                                       1915 on S. rim.
            Build a mound of stone, 3 ft. base, 2 ft. high W. of cor. Wash, 80 lks. wide, 5 ft. deep, course, N. 70° E.
47.80
            Wash, 25 lks. wide, 3 ft. deep, course, N. 60° E. Wash, 30 lks. wide, 2 ft. deep, course, N. 60° E. Set an iron post 3 ft. long, 3 ins. in dism., 24 ins. in
60.20
72.70
00.08
                  the ground for cor. of secs. 1, 6, 7 and 12, with
                  brass cap mkd.
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North half of West boundary of T.7 S. R.3 E. 110 Chains T 7:83 on N. half, R 3 E S 6 in NE. S 7 in SE. S 12 in SW. and R 2 E S 1 in NW. quadrants, 1915 on S. rim. Dig pits 18 X 18 X 12 ins. in each sec.  $5\frac{1}{2}$  ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of Land, rolling, covered with malpais boulders. Soil, stony and gravelly, 4th rate, granite, limestone and volcanic formation. Timber, scattering palo verde and iron wood. Undergrowth, greasewood brush, ocotillos and cacti. North bet. secs. 1 and 6. Over nearly level land, through scattering timber and undergrowth, wash, 15 lks. wide, 1 ft. deep, course, NE. 15.200 Wash, 20 lks. wide, 2 ft. deep, course, NE. Set an iron post 3 ft. long, 1 in in diam., 26 ins. in 22.40 40.00 the ground for \(\frac{1}{4}\) sec. cor. with brass cap mkd. \(\frac{1}{4}\) S 1 on W. and S 6 on E. half. 1915 on S. rim, from which, A palo verde, 10 ind. in diam. Drs. N.  $52\frac{3}{4}$ ° W. 68 lks. dist. mkd.  $\frac{1}{4}$  S l B T. An iron wood, 24 ins. in diem., brs. S.  $30\frac{1}{2}$ ° E.

118 lks. dist. mkd.  $\frac{1}{4}$  S 6 B T.

Wash, 20 lks. wide, 1 ft. deep, course N. 50°E. Apl. 27, 1915.

May 6,1915: Intersect S. bdy. of Tp. 6 S., R. 2 E., 38.43 chs. E.

of  $\frac{1}{4}$  sec. cor. of sec. 36 hereinafter describe A. 60.65 80.10 of 1 sec.cor.of sec.36, hereinafter described.

At point of intersection, I

Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of Ts. & S., Rs. 2 and 3 E., with brass cap mkd . R 3 E S 6 in SE. and R 2 E S 1 in SW. quadrants, 7 S.lon S. half, 1915 on S. rim. Dig pits 30 X 24 X 18 ins. on each line, E. and W. 4 ft. and S. of cor. 8 ft. dist. and raise a mound of earth 5 ft. base,  $2\frac{1}{2}$  ft. high S. of cor. Land, gently rolling. Soil, sandy and gravelly, 3rd rate. Timber, scattering palo verde and iron wood. Undergrowth, greasewood brush, ccotillos and cacti. W.H.T. May 0, 1915. Boundaries of Subdivided portion of T. 7 S., R. 3 E. Latitudes, departures and closing errors.

Line des	ignated.	Bearing.	Dist.	Latitudes		Departures.	
	28		,	. N.	.s.	E.	W.
Subdivis	ional .	N.O°2'W. West.	240.00 158.25				158.25
West Tp.	bdy.	North,	240.10	240.10			
North Tp		East, South,	80.73 26.00		_26 <b>့</b> 00	80.73	
		East.	396.87	7		396.87	
East Tp.	bdy.	South,	454.71		454.71		
	.bdy.	West.	320.00		12.00 (13/05+11)	4	320.00
Converge						• 37	
	Total	S		480.10	480.71	477.97	478.39
	,	,	•		480.10		477.9
		r in latitud r in departu			- 0.61		0.4

30, with brass cap mkd.

1:	12	West boundary of T.7 S. R.2 E.
	Chains	
		T, 7 S on 1, half,
		R 2 E S19 in NE.
		S 30 in SE.
		S 25 in SW. and
		R 1, E S 24 in NW. quadrants, and
		1915 on S. rim.
		Pits impracticable.
		Build a mound of stone, 3 ft. base, 2 ft. high W. of cor.
		Land, rolling.
		Soil, stony, 4th rate, limestone, granite and volcanic
		formation.
		Timber, scattering palo verde and iron wood.
		Undergrowth, greasewood brush, ocotillos and cacti.
		t to the second
	-	
		North bet. secs. 19 and 24.
		Over low rolling ridges, through scattering timber and
		undergrowth.
	,2.60	Desc. steep NE. slope, 91 ft. to
	7.40	Wash, 25 Tks. wide, 2 ft. deep, course, NW.
	1 2 2 0	Enter narrow sandy valley brs. NW . and SE .
	37.40	Leave valley, brs. NW. and SE.
	0,140	Asc. stony bluff, 97 ft.
	40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
•	40.00	the ground for 4 sec. cor. with brass cap mkd.
		4 S 24 on W. and
		S 19 on E. half.
		1915 on S. rim.
		Build a mound of stone, 3 ft. base, 2 ft. high W. of cor.
	45.00	Top of ascent.
	20100	Thence over rolling land, covered with scattering malpais
		boulders
	80.00	Set an iron post 3 ft. long, 3 ins. in diam., 18 ins. in
		the ground to solid rock, in a mound of stone, $3\frac{1}{2}$ ft.
		base, $1\frac{1}{2}$ ft. high, for cor. of secs. 13, 18, 19 and
		24 with brass cap mkd.
		T 7 S on N. half,
		R 2 E S 18 in NE.
		, S 19 in SE.
		S 24 in SW . and
		R 1 E S 13 in NW. quadrants,
		1915 on S. rim.
		Build a mound of stone, 3 ft. base, 2 ft. high W. of cor.
		Land, rolling.
		Soil, stony, 4th rate, volcanic and granite formation.
		Timber, scattering palo verde and iron wood.
		Undergrowth, greasewood brush, ocoțillos and cacti.
	- [	
		77 - 14 - 17 - 17 - 17
		North bet. secs. 13 and 18.
		Over rolling land, through scattering timber and under-
	00.00	growth,
	20.00	Desc. gradual N. slope60 ft. to
	32.60	Wash, 50 lks., wide, 3 ft., deep, course, N. 70° W. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
	40 .00	the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
		the ground for $\frac{1}{4}$ Sec. coff. with stabs, cap made
		S 18 on E. half,
		1915 on S. rim,
		from which, A palo verde, 8 ins. in diam., brs. S. 80 W.
		210 lks. dist. mkd. $\frac{1}{4}$ S 13 B T.
		A palo verde, 12 ins. in diam., brs. S. 3\frac{3}{4}\circ E.
		220 lks. dist. mkd. \(\frac{1}{4}\), s 18 B T.
		Thence over gently rolling land.
	80 00	Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
	00.08	the ground for cor. of secs. 7, 12, 13 and 18, with
		prass cap mkd.
		t he and more

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West boundary of T.7 S. R.2 E.
                                                                                          113
Chains
                                  T 7 S on N. half,
                                  R 2 E S 7 in NE.
                                   S 18 in SE.
                                   S 13 in SW. and
                                   R 1 E S 12 in NW. quadrants,
                                  1915 on S. rim.
          Dig pits 18 X 18 X 12 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, rolling covered with malpais boulders.
          Soil, stony, 4th rate.
           Timber, scattering palo verde and iron wood.
          Undergrowth, scattering greasewood brush, ocotillos and
          North bet. secs. 7 and 12.
          Over rolling land, through scattering timber and under-
                growth.
16.80
          Wash, 75 lks. wide, 2 ft. deep, course, NW. Road, brs. NE. and SW.
37.50
          Set an iron post 3 rt. long, 1 in. in diam., 26 ins. in the ground for 4 sec..cor. with brass cap mkd.
40.00
                                   \frac{1}{4} S 12 on W. and
                                   S 7 on E. half,
                                   1915 on S. rim.
          Dig pits 18 X 18 X 12 ins. W4 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.
          Wash, 30 lks. wide, 2 ft. deep, course, W. Wash, 75 lks. wide, 2 ft. deep, course, W. Set an iron post 3 ft long, 3 ins in diam., 24 ins. in the ground for cor. of secs. 1, 6, 7 and 12, with
59.30
70.00
00,08
              · brass-cap mkd.-
                                  T 7 S
                                           on N. half,
                                  R 2 E S 6 in NE.
S 7 in SE.
                                   S 12 in SW. and
                                   R 1 E S 1 in NW. quadrants,
                                  1915 on S. rim.
          Dig pits 18 X 18 X 12 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, rolling.
          Soil, stony, 4th rate.
Timber, scattering palo verde, iron wood, and mesquite.
          Undergrowth, greasewood brush, ocotillos and cacti.
At this com. I set off 15° 14' N. on the decl. arc; and at
                apparent noon observe the sun on the mer.; the resulting late is 32° 50' N.
          North bet. secs. 1 and 6.
          Over rolling land, through scattering timber and under@
                growth.
          Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
40.00
                the ground for \(\frac{1}{4}\) sec. cor. with brass cap mkd.
                                   \frac{1}{4} S l in W. and
                                   S 6 on E. helf,
                                   1915 on S. rim.
          Build a mound of stone, 3 ft. base, 2 ft. high W. of cor. Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for cor. of Ts. 6 and 7 S., Rs. 1 and 2
00.08
                E., with brass cap mkd.
                                  T 6 S on N. half,
                                   R 2 E S 31 in NE.
                                   S 6 in SE.
                                   S l in SW. and
                                   R 1 E S 36 in NW. quadrants, and
                                   T 7 S on S. half,
                                   1915 on S. rim.
```

West boundary of T.7 S., R.2 E. 114

Dig pits, 24 X 24 X 12 ins. N., E. and W. & ft. and S. of cor. 8 ft. dist. and raise a mound of earth 5 ft. base  $2\frac{1}{2}$  ft. high S. of cor.

Land, gently rolling.
Soil, sandy and gravelly with malpais stones, 3rd rate.
Timber, scattering palo verde, mesquite and iron wood.
Undergrowth, greasewood brush, ocotillos and cacti.
May, 2nd, 1915.
WKK.

W.K.K.

Boundaries of North of T7 S., R.2 E. Latitudes, departures and closing errors.

	lesignated	Bearing.		Latitudes. Der			partures.	
Line desi			Dist.	N.	s.	• <b>E</b> ,	w.	
West Tpb	dv.2 v	North	240.00	240.00		•		
North * "	7	East	478.43		4.	478.43		
East "		South	240.10		240.10			
s Subdivisi 10, beund	ary	West N.89°52'W	400.00 78.64	•18			400.00	
Convergen	су			' '		. •23		
Totals				240.18	240.10	478.66	478.64	
Error in			*****	240 .10		478.64		

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of South boundary of T.6 S. R.2 E.
     Survey
Chains
            Survey commenced May, 1, 1915, and executed, as follows:
            From recent and repeated field tests I know the transit
                  and solar attachment to be in satisfactory adjustment. From the cor. of Ts.6 and 7 S., Rs. 1 and 2 E.,
                    established by me and hereinbefore described.
            ThenceI run
           East along S. bdy. of sec. 31.
            Over level land, through scattering timber and undergrowth.
           Wash, 100 lks wide, 2 ft. deep, course, N. 20° W. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 4 sec. cor. to sec. 31 only, with brass
14.30
40.00
                  cap, marked
                                       $ S 31 on N. half,
                                       1915 on a. rim,
           dig pits 18 X 18 X 12 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.
           May, 1, 1915.

May 6, 1915, at 8h., a.m., l.m.t., I set off 32° 51' N. on the lat. arc; 16° 21' N. on the decl. arc; and deter-
                  mine a mer. with the solar at this is sec. cor.
           Continue measurement.
            Asc. gradual : W. slope.
           Asc. steep SW. slope, 70 ft. to

Set an iron post 3 ft. long, 3 ins. in diam., 6 ins. in
the ground, to solid rock, in a mound of stone,
3½ ft. base, 2½ ft. high, for cor. of secs. 31 and 32,
70-00
00.08
                  with brass cap mkd.
T.6 S.R.2 E on N. half,
                                       S 32 in NE. and
                                       S 31 in NW. quadrants,
                                       1915 on S. rim.
           Pits impracticable.
           Build a mound of stone, 3\frac{1}{2} ft. base, 2\frac{1}{2} ft. high N. of
                  cor.
           Land, level and rolling.
           Soil, gravelly and stony, 3rd and 4th rates. Timber, scattering palo verde and iron wood.
           Undergrowth, greasewood brush, ocotillos and cacti.
           East along S. bdy. of sec. 32. Over SW. slope of mountain
            Spur slopes 5.
   .30
           Desc. SE. slope, 23 ft. to Foot of descent brs. N. and S.
 7.20
            Thence over rolling land,
           Asc. SW. slope, 70 ft. to
Top of ridge brs. NW. and SE.
12.20
19.50
           Desc. NE. slope, 30 ft. to
Wash, 25 lks. wide, 3 ft. deep, course, SE.
Asc. W. slope, 30 ft. to
24.50
            Spur slopes 8.
28.00
           Desc. E. slope, 29 ft. to
Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for 4 sec. cor. to sec. 32 only, with brass
40.00
                                      \frac{1}{4} S 32 on N. half,
                 cap, mkd.,
                                       1915 on S. rim.
           Build a mound of stone, 3\frac{1}{2} ft. base, 2\frac{1}{2} ft. high N. of corwash, 25 lks. wide, 2 ft. deep, course, N. Asc. W. slope, 23 ft. to
43.10
48.50
           Top of spur slopes 5.
           Desc. E. slope, 90 ft. to
           Enter flat, brs. No and S. Leave flat, brs. NW. and SE.
53.50
68.50
            Asc. W. slope, 136 ft. to
00.08
           Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
                  the ground for cor. of secs. 32 and 33, with brass
                  cap mkd.
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South boundary of T.6 S. R.2 E.
1 10 1 6
Chains
                                    T 6 S R 2 E on N. half,
                                    S 33 in NE. and
                                    S 32 in NW. quadrants,
                                    1915 on S. rim.
           Build a mound of stone, 3\frac{1}{2} ft. base, 2\frac{1}{2} ft. high N. of cor.
           Land, rolling and hilly.
           Soil, stony and gravelly, 4th rate.
           Timber, scattering palo verde.
           Undergrowth, greasewood brush, ocotillos and cacti.
           East along, S. bdy. of sec. 33.
           Over mountainous land, through scattering undergrowth. On SW. slope,; asc.130 ft. to
           Top of spur, slopes SW. Thence over S. slope.
 3.75
10.20
           Asc. SW. slope, 30 ft. to
           Spur slopes S.; desc. SE. slope, 85 ft. to
13.00
           Wash, 50 lks. wide, 2 ft. deep, course, S. Asc. SW. slope, 115 ft. to
18.00
23.20
           Top of spur slopes S.
           Desc. E. slope, 300 ft. to
True point for 4 sec. cor. falls in wash, 25 lks. wide, 2
40.00
                ft. deep, course, S., therefore at
           Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground to solid rock, in a mound of stone, 3\frac{1}{2} ft.
40.30
                base, 2 ft. high, for witness cor. to 2 sec. cor. to sec. 33 only, with brass cap marked, WC, 2 S 33 on N.half;
                                     1915 on S. rim.
          Build a mound of stone, 3 ft. base, 2 ft. high N. of cor. Asc. SW. slope, 136 ft. to Spur slopes, 5. 20° E.; desc. E. slope, 470 ft. to
54.00
           Foot of slope brs. N. and S.
73.00
          Thence over gradual E. sope, to
Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
the ground for cor. of secs. 33 and 34, with brass
00.08
                 cap mkd.
                                    T 6 S R 2 E on N. half,
                                    S 34 in NE. and
                                    S 33 on NW. quadrants,
                                    1915 on S. rim,
                 from which,
                       An iron wood 12 ins. in diam., brs. N. 39\frac{1}{2}° E. 138 lks. dist. mkd. T 6 S R 2 E S 34 B T.
           No other trees within limits.
           Dig pits 24 X 24 X 12 ins. No. and NW. of post 6 ft. dist. & raise a mound of earth 4 ft. base, 2 ft. high N. of
                 cor.
           Land, mountainous.
           Soil, stony, granite formation, 4th rate.
           Timber, none.
           Undergrowth, scattering ocotillos and cacti.
           At this cor. I set off 16° 24' N. on the decl. ard; and at apparent noon observe the sun on the mer.; the result-
                 ing lat. is 32° 51' N.
           East along, S. bdy. of sec. 34.
           Over rolling land, through scattering timber and under-
           Wash, 20 lks . wide, 1 ft. deep, course, N.
 2.30
           Road, brs. N. and S. Wash, 30 lks. wide, 1 ft.deep, course, N. Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
14.50
17.50
40.00
                 the ground for \frac{1}{4} sec. 34 only, with brass cap, marked
                                       S 34 on N. half, (
                                    1915 on S. rim,
                from which.
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An iron wood, 18 ins. in diam., brs. N.  $62\frac{1}{2}$ ° E.

255 lks. dist. mkd. \(\frac{1}{4}\) S 34 B T.

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South boundary of Township 6 South, Range 2 East
Chains.
 80.00
             Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor.of secs. 34 and 35, with brass cap,
                   marked
                                          T 6 S R 2 E on N.half;
                   S 35 in NE., and
S 34 in NW. quadrants;
1915 on S.rim;
dig pits 24x24x12 ins., NE. and NW. of post, 6 ft. dist., and raise a mound of earth 4 ft. base, 2 ft.high, N.of
              Land, rolling.
              Soil, gravelly and sandy, 2nd rate, granite formation. Timber, scattering palo verde and ironwood.
              Undergrowth, greasewood brush.
              East, along south bdy.of sec. 35.

Over level land, through scattering timber and undergrowth.

Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
 40.00
                   the ground for z sec.cor. for sec.35 only, with brass
                   cap, marked
                                         1 S 35 on N.half; 1915 on S.rim;
                   dig pits18 x18x12 ins. E. and W. of post 6 ft. dist.
              and raise a mound of earth 3 ft. base, 1 ft. high, N. of cor. Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of secs. 35 and 36, with brass cap,
 80.00
                   marked
                                          T 6 S R 2 E on N.half]
                                         S 36 in NE., and
S 35 in NW. quadrants;
1915 on S.rim.
              Dig pits 24x24x12 ins. N.E. and NW. of post 6 ft. dist.
                   and raise a mound of earth 4 ft. base, 2 ft. high, N. of
              Land, level.
              Soil, sandy loam, 1st rate.
              Timber, scattering palo verde and ironwood.
              Undergrowth, greasewood brush.
              East, along S. bdy.of sec.36.
Over level land, through scattering timber and undergrowth.
              Wash, 25 lks.wide, lft. deep, course N.
Road brs. NE. and SW.; ascend W. slope, 35 ft.to
Top of spur, brs.N.and S.
Descend NE. slope, 40 ft. to
Set an iron post, 3 ft.long, lin. indiam., 20 ins. in
the ground, to solid rock, in a mound of stone 3 ft.
base, lft.high, for 2 sec.cor.to sec.36 only, with
brass can marked
 23.10
 27.90
31.00
 40.00
                    brass cap, marked
                                          S 36 on N.half;
              Build a mound of stone 3 ft.base, 2 ft.high, N.of cor. Intersect W. bdy.of T.6 S., R.3 E., 26.00 chs. N.of cor.of Ts.6 and 7 S., Rs.2 and 3 E., which is an iron post with brass cap, marked and witnessed as described by
159.16
                   the Surveyor General. I obliterate markings on the
                   cap, leaving only those pertaining to T.6 S., R.3 E., and move the mound of stone to NE. of cor., thus making this a cor. to T.6 S., R.3 E., only.
              At point of intersection,
              Set an iron post 3 ft.long, 3 ins. in diam., 24 ins. in the ground for cor. of T.6 S., R.2 E. (SE.cor.) with brass
                   cap, marked
                                          \mathtt{T} 6 S R 2 \mathtt{E} S 36 in \mathtt{NW}.quadrant;
                                          1915 on S.rim;
                    dig pits 36x36x12 ins. on each line, N. and W. of cor.,
              8 ft.dist., and raise a mound of earth 5 ft.base, 2 ft. high, NW.of cor.
I change markings and accessories of 4 sec.cor.on W.bdy.of
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South boundary of Township 6 South Range 2 East.

sec. 31, T. 68., R. 3E. in proper manner to make it refer to sec. 31 only.
Land, level.
Soil, sandy loam, lst rate.
Timber, scattering palo verde.
Undergrowth, greasewood brush.

May 6, 1915.
W.K.K.

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of West houndary of Township 6 South Range 2 East.
 Chains.
           W.K.K.
           Survey commenced May 5th, 1915, and executed as follows:
           From recent and repeated field tests, I know the transit
                and solar attachment to be in satisfactory adjustment.
          At 8h. a.m., l.m.t., I set off 32°51'N.on the lat.arc; 16° 4'N. on the decl.arc, and determine a meridian with
                the solar at the cor. of Ts. 6 and 7 S., Rs. 1 and 2 E.
                hereinbefore described.
           Thence I run,
           North, between secs. 31 and 36.
Over level land, through scattering timber and undergrowth
Wash, 35 lks.wide, 2 ft. deep, course NW.

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

1 S 36 on W., and
S 31 on E.half;

1915 on S.rim.

Dig pits 18x18x12 ing. N and S of cor. 3 ft. dist. ar
           Dig pits 18 \times 18 \times 12 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
58.30 Wash, 30 lks.wide, 1 ft. deep, course NW.
80.00 Set an iron post 3 ft.long, 3 ins.in diam., 24 ins. in
the ground for cor.of secs. 25,30,31 and 36, with brass
                cap, marked
                                      T 6 S on N.half;
R 2 E S 30 in NE.,
S 31 in SE.,
                                      S 36 in SW., and
R 1 E S 25 in NW.quadrants;
                             1915 on S rim; from which,
An ironwood, 10 ins. in diam., brs.N.57° E.,62
lks.dist., marked T 6 S R 2 E S 30 B T.
           No other trees within kimits.
           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.
           Soil, sandy with gravel surface, 2nd rate. Timber, palo verde, mesquite and ironwood.
           Undergrowth, greasewood brush, ocotillos and cacti.
           North, bet. secs.25 and 30.
           Over level land, through scattering timber and undergrowth.
33.00 Wash, 25 lks.wide, 2 ft.deep, course W.
40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{2}$ sec. for., with brass cap, marked $\frac{1}{2}$ S 25 on W., and $\frac{1}{2}$ S 25 on E.half;
                                       1915 onS.rim;
                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.
51.10 Wash, 35 lks.wide, 1 ft. deep, course N.70° W.
80.00 Set an iron post, 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for cor.of secs. 19,24, 25 and 30, with brass cap, marked
                                      T 6 S on N.half;
                                      R 2 E S 19 in NE.,
                                      S 30 in SE.,
S 25 in SW., and
R 1 E S 24 in NW. quadrants;
                                       1915 on S.rim;
                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.
            Soil, gravelly, 3rd rate.
            Timber, scattering palo verde and ironwood.
           Undergrowth, greasewood brush, ocotillo and cacti.
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BOOK 2892

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West boundary of Township 6 South
Chains.
           North, between secs. 19 and 24.
           Over level land, through scattering timber and undergrowth.
2.20 Wash, 15 lks.wide, 2 ft. deep, course NW:
13.90 Wash, 25 lks.wide, 2 ft. deep, course NW.
28.90 Wash, 15 lks.wide, 2 ft. deep, course NW.
40.00 Set an iron post 3 ft.long, 1 in. indiam., 26 ins. in the ground for 1 sec.cor., with brass cap, marked

$ 24 on W., and
$ 10 on E half:
                                                                                          26 ins. in
                                       $ 19 on E half;
1915 on S.rim;
                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.
40.50 Wash, 25 lks.wide, 2 ft. deep, course NW.
80.00 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor.of secs. 13,18,19 and 24, with brass
                 cap, marked
                                       T 6 S on N.half;
R 2 E S 18 in NE.,
S 19 in SE.,
                                       S 24 in SW., and
R 1 E S 13 in NW. quadrants;
                                       1915 on S.rim;
                dig pits 18x18x12 ins., ineach sec. 5\frac{1}{2} ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
           Land, level.
           Soil, sandy loam, 1st rate.
            Timber, scattering palo verde and ironwood.
           Undergrowth, greasewood brush, ocotillos, and cacti.
           North, between secs. 13 and 18.
Over level land, through scattering timber and undergrowth.

40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground for 2 sec.cor., with brass cap, marked

2 S 13 on W., and

5 18 on E half;
                                       1915 on S.rim;
                 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.
80.00 Set an iron post, 3 ft.long, 3 ins. in diam., 24 ins. in the ground, for corlof secs. 7, 12, 13 and 18, with brass
                 cap, marked
                                        T 6 S on N.half;
                                       R 2 E S 7 in NE.,
                                       S 18 in SE.,
                                       S 13 in SW., and R 1 E S 12 in NW.quadrants,
                                       1915 on S.rim;
                 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.
            Soil, sandy loam, 1st rate.
Timber, scattering palo verde and mironwood.
            Undergrowth, greasewood brush, ocotillos and cacti.
           North, bet. secs. 7 and 12.
Over level land, through scattering timber and under-
                 growth.
40/00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground for 1 sec.cor., with brass cap, marked, 1 S 12 on W., and S 7 on E.half;
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1915 on S.rim;

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boundary of Township 5 South Range 2 East
Chains.
             dig pits 18x18x12 ins. and S. of cor., 3 ft. dist., and raise a mound of earth 32 ft. base, 12 ft. high, W.
              of cor.
49.10 Wash, 30 lks.wide, 2 ft. deep, course NE.
80.00 Set an iron post, 3 ft.long, 3 ins. in diam., 24 ins. in
the ground for cor. of secs. 1,6,7 and 12, with brass
               cap, marked
                                 T 6 S on N. half;
R 2 E S 6 in NE.,
                                      7 in SE.,
                                  S 12 in SW., and
R 1 E S 1 in IW. quadrants;
         1915 on S. rim; from which,

A mesquite, 8 ins. in diam., brs.S.86°E., 85

lks.dist., marked T 6 S R 2 E S 7. B T.

No other trees within limits. 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.
          Soil, sandy loam, 1st rate.
          Timber, scattering palo verde and ironwood.
          Undergrowth, greasewood brush, ocotillos, and cacti.
          At this cor., I set off 16°7'N. on the decl.arc; and at
               apparent noon, observe the sum on the meridian; the resulting latitude is 32° 56' N.
North, between secs.l and 6.
Over level land, through scattering timber and undergrowth.
40.00 Set an iron post 3 ft.long, 1 in.in diam., 26 ins. in the
               ground for 4 sec.cor., with brass cap, marked
                                    S 1 on W., and
                                   $ 6 on E.half;
          1915 on S.rim; from which
A mesquite, 8 ins. in diam., brs.S.74½°E.,27
lks.dist. marked ½ S 6 B T.

No other trees within limits.
Dig pits 18x18x12 ins., N.and S. of cor., 3 ft.dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of
                cor.
 66.30 Road brs.E.and W.
          Ascend gradual S. slope.
 79.74 Intersect 1st.Standard Parallel S., 212 1ks.W.of the Standard cor.of Ts.5 S. Rs. 1 and 2 E., established by me, and described in Book"A."
           At point of intersection I
           Set an iron post 3 ft.long, 3 ins. in diam., 12 ins. in the ground to solid rock, in a mound of stone, 3 ft,
                base, 2 ft.high for closing corner of Ts.6 S., Rs.1 and 2 E., with brass cap, marked
                                   CC S. of center,
                                   R 2 E S 6 in SE., and
                                   R 1 E S 1 in SW. quadrants;
                                   T 6 S on S.half;
                                   1915 on S.rim.
           Pits impracticable.
           Build a mound of stone, 3 ft. base, 2 ft. high, S. of cor.
           Land, level.
           Soil, 1st 60 chs. sandy loam, 1st rate, remainder, stony
                3rd rate.
           Timber, scattering palo verde and ironwood.
           Undergrowth, greasewood brush and cacti.
                                                                     May 5, 1915.
                                                                                         W.K.K.
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122. Roundaries of Township 6 South Range 2 East.

<b>e</b> • + + 1	Lat	itudes, der	artures,	and clo	sing err	ors.	
Line des	ignated.	Bearing.	Dist.	Latitud	les. S.	Departu E.	res.
West Tp.	boundary.	North,	479.74	479.74			
	pboundary .Par.S.)	East, South N.89°58'E. East,	479.82 13.60 40.02 38.20	.02	13.60	479.82 40.02 <b>38.</b> 20	
	boundary	South,	466.35		466.35		
South Tr		West,	559.16	9.1.3	74		559.19
Converge						53	
	Totals.	latitud <b>ė</b> .	ę	479.76	479.95 479.76	<b>558.57</b>	559.16 558.57
		departure	1			4.20	0.59

238 2892

6-276

## FOR CERTIFICATES FINAL CATH OF UNITED STATES SURVEYOR,

	AND <u>UNITED</u> STATES TRANSITMAN.
	See Book "A" of this Group.
1	I,, U. S. Surveyor, do solemnly swear that, in pursuance
of	special instructions received from the U.S. Surveyor General for
be	aring date of theday of, 191 , I have well, faithfully, and truly
in	my own proper person, and in strict conformity with said instructions, the Manual of Surveyin
In	structions, and the laws of the United States, surveyed all those parts or portions of
	of the
	, which are represented i
$^{ ext{th}}$	e foregoing field notes as having been executed by me, and under my direction; and I do further
sol	lemnly swear that all the corners of said survey have been established and perpetuated in strict accord
an	ce with the Manual of Surveying Instructions, and the special written instructions of the U.S. Surveyo
	eneral fordnd in the specific menner described in the field notes, and the
	e foregoing are the original field notes of such survey.
	U. S. Surveyor.
Sm	bscribed by said, and sworn to before me)
~ u	
	this, 191
	SEAL SEAL
	·
	APPROVAL.
	ALL ROVAL.
	OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
	·
	Phoenix Ariz, MAR 19, 1917.
	The foregoing field notes of the survey of the WERN before at TIOS. DOE the ERN
,	
b	drs. of T.105, R.3 E and T.105, R.5 E., the N. bdy of T.105, R.4 E., the E. bdy of T.105.
bi P	drs. of T.105, R.3 E and T.105, R.5 E., the N. bdy of T.105, R.4 E., the E. bdy, of T.105
R.	drs. of T.105, R.3E and T.105, R.5E., the N. bdy of T.105, R.4E., the E. bdy, of T.105 G.E., the S.&W. bdrs. of T.95, R.G.E., T.75, R.4E. & T.65, R.2E., the S. bdy, of T.85
P.P.	drs. of T.105,R.3E and T.105,R.5E., the N. bdy of T.105, R.4E., the E. bdy, of T.105 6E., the S&W. bdrs. of T.95,R.6E.,T.75,R.4E.&T.65,R.2E., the S. bdy, of T.85 5E., the W. bdrs. of T.95,R.4E,T.85,R.2E,&T.75,R.2E., the W.&N. bdrs. of T.95,R.2
P.P.	drs. of T.105, R.3E and T.105, R.5E, the N. bdy of T.105, R.4E, the E. bdy, of T.105. 6E., the S&W. bdrs of T.95, R.6E., T.75, R.4E. & T.65, R.2E., the S. bdy, of T.85. 5E., the W. bdrs of T.95, R.4E, T.85, R.2E, & T.75, R.2E., the W.&N. bdrs of T.95, R.2 T.95, R.3E., part of N. bdy, of T.85, R.3E. and N'z of W. bdy, of T.75, R.3E., RETRAG
PR T	drs. of T.105,R.3E and T.105.R.5E., the N. bdy of T.105.R.4E., the E. bdy of T.105. 6E., the S.&W. bdrs. of T.95.R.6E.,T.75.R.4E.&T.65.R.2E., the S. bdy of T.85 5E., the W. bdrs. of T.95.R.4E.,T.85.R.2E.,&T.75.R.2E., the W.&N. bdrs. of T.95.R.2 T.95.R.3E., part of N. bdy. of T.85-R.3E. and N'z of W. bdy. of T.75-R.3E., RETRAC NT. OF W. bdy. of T.105.R.8E.&S. bdy. of T.75-R.5E. and RESURVEY of S.& W. bdrs. of
P. P. 7. 45. 7.9	drs. of T.105,R.3E and T.105.R.5E., the N. bdy of T.105.R.4E., the E. bdy of T.105. 6E., the S.&W. bdrs of T.95.R.6E.,T.75.R.4E.&T.65.R.2E., the S. bdy of T.85 5E., the W. bdrs of T.95.R.4E.,T.85.R.2E.,&T.75.R.2E., the W.&N. bdrs. of T.95.R.2 T.95.R.3E., part of N. bdy of T.85-R.3E. and N'z of W. bdy of T.75-R.3E., RETRAG NT OF W. bdy of T.105.R.8E.&S. bdy of T.75-R.5E. and RESURVEY of S.&W. bdrs. of DS:R.7E.&T.85.R.6E., of the Gila and Salt River Base and Meridian, in the State of Ariza
P. P. 7. 45. 7.9	drs. of T.105,R.3E and T.105.R.5E., the N. bdy of T.105.R.4E., the E. bdy of T.105. 6E., the S.&W. bdrs of T.95.R.6E., T.75.R.4E. & T.65.R.2E., the S. bdy of T.85 5E., the W. bdrs of T.95.R.4E., T.85.R.2E., & T.75.R.2E., the W.&N. bdrs. of T.95.R.2 T.95.R.3E., part of N. bdy of T.85-R.3E. and N'z of W. bdy of T.75-R.3E., RETRAG NT OF W. bdy of T.105.R.8E. & S. bdy of T.75-R.5E. and RESURVEY of S.& W. bdrs. of DS:R.7E. & T.85.R.6E., of the Gila and Salt River Base and Meridian, in the State of Ariza
P. P. T. G. Exe	drs. of T.105,R.3E and T.105.R.5E, the N.bdy of T.105.R.4E, the E.bdy of T.105. 6E., the S.&W.bdrs of T.95.R.6E., T.75.R.4E. & T.65.R.2E., the S.bdy of T.85 5E., the W.bdrs of T.95.R.4E., T.85.R.2E., & T.75.R.2E., the W.&N.bdrs. of T.95.R.2 T.95.R.3E., part of N.bdy of T.85.R.3E. and N'z of W.bdy of T.75.R.3E., RETRAG NT OF W.bdy of T.105.R.8E. & S.bdy of T.75.R.5E. and RESURVEY of S.& W.bdrs. of DS.R.7E.& T.85.R.6E., of the Gila and Salt River Base and Meridian, in the State of Ariza secuted by W.H.Tharn. U.S. Surveyor and W.K.Kierulff, U.S. Transitman
P. P. Se T. G. execution	The foregoing field notes of the survey of the W.E. & N. bdrs. of T.105. R. 2E, the E. & N. drs. of T.105. R. 3E and T.105. R. 5E., the N. bdy. of T.105. R. 4E., the E. bdy. of T.105. R. 6E., the S. & W. bdrs. of T.95. R. 6E., T. 75. R. 4E. & T. 65. R. 2E., the S. bdy. of T. 85. S. 5. 5. 5. 5. 6. 6. 6. 7. 75. R. 4E. & T. 65. R. 2E., the W. & N. bdrs. of T. 95. R. 2. 7. 75. R. 3E., part of N. bdy. of T. 85. R. 3E. and N. 2 of W. bdy. of T. 75. R. 3E., RETRACTION OF W. bdy. of T. 105. R. 8E. & S. bdy. of T. 75. R. 5E. and RESURVEY of S. & W. bdrs. of S. R. 7E. & T. 85. R. 6E., of the Gila and Salt River Base and Meridian, in the State of Arizance der bis special instructions dated Suly 29, 1914 for Group 38. Arizana., having been tically examined, and the necessary corrections and explanations made, the said field notes, and the
P. P. S. T. G. execuno	drs. of T.105, R.3E and T.105. R.5E, the N. bdy of T.105. R.4E, the E. bdy of T.105. 6E., the S&W. bdrs. of T.95. R.6E, T.75. R.4E. & T.65. R.2E., the S. bdy of T.85. 5E., the W. bdrs. of T.95. R.4E, T.85. R.2E, & T.75. R.2E., the W. & N. bdrs. of T.95. R.2. R.75. R.3E., part of N. bdy. of T.85. R.3E. and N.2 of W. bdy. of T.75. R.3E, RETRACTION OF W. bdy. of T.105. R.8E. & S. bdy. of T.75. R.5E. and RESURVEY of S. & W. bdrs. of S. R.7E. & T.85. R.6E., of the Gila and Salt River Base and Meridian in the State of Ariza cuted by W.H. Tharn. U.S. Surveyor and W.K. Kierulff, U.S. Transitman.  The special instructions dated July 29, 1914 for Group 38. Arizona., having been tically examined, and the necessary corrections and explanations made the said fold notes and the
P P E T G execuno	drs. of T.105, R.3E and T.105. R.5E., the N. bdy of T.105. R.4E., the E. bdy of T.105. lb.E., the S.&W. bdrs. of T.95. R.6E., T.75. R.4E. & T.65. R.2E., the S. bdy of T.85 5E., the W. bdrs. of T.95. R.4E., T.85. R.2E., & T.75. R.2E., the W.&N. bdrs. of T.95. R.2. T.95. R.3E., part of N. bdy of T.85. R.3E. and N'z of W. bdy of T.75. R.3E., RETRACT NT. OF W. bdy. of T.105. R.8E. & S. bdy. of T.75. R.5E. and RESURVEY of S.& W. bdrs. of S. R.7E. & T.85. R.6E., of the Gila and Salt River Base and Meridian, in the State of Ariza  Secuted by W.H. Tharn. U.S. Surveyor and W.K. Kierulff, U.S. Transitman.  Her his special instructions dated Suly 29, 1914 for Group 38 Arizona., having been
P. P. T. G. E. T. G. execution	drs. of T.105, R.3E and T.105. R.5E, the N. bdy of T.105. R.4E, the E. bdy of T.105. 6E., the S&W. bdrs. of T.95. R.6E, T.75. R.4E. & T.65. R.2E., the S. bdy of T.85. 5E., the W. bdrs. of T.95. R.4E, T.85. R.2E, & T.75. R.2E, the W. &N. bdrs. of T.95. R.2. 7.95. R.3E., part of N. bdy. of T.85. R.3E. and N.2 of W. bdy. of T.75. R.3E, RETRAGENT OF W. bdy. of T.105. R.8E. & S. bdy. of T.75. R.5E. and RESURVEY of S. & W. bdrs. of S. R.7E. & T.85. R.6E., of the Gila and Salt River Base and Meridian in the State of Ariza cuted by W.H. Tharn-U.S. Surveyor and W.K. Kierulff, U.S. Transitman.  The special instructions dated Suly 29, 1914 for Group 38. Arizona, having been tically examined, and the necessary corrections and explanations made the said fold notes and the