Min. 1.1014

BOOK "ZA"

BOOK 2677

FIELD NOTES

OF THE SURVEY OF A PORTION OF

Subdivision Lines and RESURVEY Gof @ FORTION of the
West Boundary of Tp. 12 S. Rg. 20 E.

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Of the Gila and Salt River Base and Meridian,
In the State ofArizona.
EXECUTED BY
John F. Hesse
In the capacity of U.S. Surveyor, under instructions dated May 23 nd, 1912,
issued by the United States Surveyor General to govern surveys included in
Group No18, which were approved by the Commissioner of the General Land
Office, Stance 2014, 1912, pursuant to authority contained in the Act of
Congress dated June 23rd, 1913
and resurvey Survey, commenced September 16 , 1913
and resurvey. Survey, completed

BOOK 2611 INDEX DIAGRAM

Town	ship	·	, Range	·	
G	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	18
19	20	21	22	28	24
13	/3	H	9	7	5
80	12 29 /	D 28 8	27	26	4 25
12	12	10	8	-6-	#
31	/ 32 J	9 33 8	34 5	35	3 36

a portion of the of West boundary of T128 R20E

Chains. September 16, 1913. At 7h.oom a.m., l.m.t., I set off 32° 20'N on the lat. arc; 2%47'N on the decl. arc; and determine with the solar a meridian at the cor. of Ts. 12 and 13 S, R19E, formerly cor of Jos. 12 & 13 Si Rs. 19 & 20 E, but recently changed by me as described in Book "Z" Thence I run random line North, on the East bdy. of sec. 36, T12S., R.19E. Over mountainous land through dense brush. Ascend.

1

0.30 Ridge bears NW and SE. Descend.

12.30 Cross wash 20 lks. wide course W. Ascend.

23.40 Ridge bears E and W. Descend.
28.30 Cross wash 20 lks. wide course SW. Ascend.
39.81 Traces of cld mound bears W, 6 lks. dist. I destroy all traces of old 4 sencor and re-establish it in its original position as follows-

Set a granite stone, 18 x 10 x 8 ins., 13 ins. in the ground, for # sec. cor., marked # on Waface.

Raise a mound of stone 3 ft. base, 12 ft. high, W. of

cor. Pits impracticable.

True course of this /2 mile is therefore N. 0°05'W. and the dist. is 39.81% Thence I run, from t sec. cor, on random line North, on East bdy. of sec. 36, T.12S.R.19E. on Namile Ascend over mountainous land through dense brush.

11.70 Ridge bears NE and SW. Descend.

26.70 Cross wash 12 lks. wide course SW. Ascend.

34.40 Ridge bears NE and SW. Descend.

39.30 Oddor of sex 25,30,314.36, which is a post marked and witnessed as described by the Surveyor General, bears W. 62 lks. As the post is poorly set and the marks nearly obliterated I reestablish it as follows-

Set a granite stone, 18 x 14 x 6 ins., 12 ins. in the ground, for cor. of secs. 25 and 36 7,2 marked with 5 notches on N. and 1 notch on S. side.

Raise a mound of stone 2 ft. base, 12 ft. high, W. of

cor. Pits impracticable.

Time course of thisize mile is therefore N. 0583'W., and the dist. is 39.30 chs.

Land, mountainous.

Soil, gravelly and rocky 3rd and 4th rate.

No timber.

Undergrowth, mesquite, catclaw, cacti.
NOTE: 1014-102-10-1012-11 this cor. I set off 2'40'N. on the decl. arc and observe the sun on the meridian at noon; the resulting lat. is 32 202 N.

September 16,1913.

Partial Subdivision of T12S R20E

Chains.

Survey commenced September 18, 1913 and was executed with a W. and L.E.Gurly transit, not numbered, with solar attachment. The horizontal limb is provided with one double vernier, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

was approved by the Supervising Surveyor, This instrument

August 28, 1912.

I examine the adjustments of the transit and find them correct, then to test the solar apparatus, by comparing its indications, resulting from solar observations, made during a.m. and p.m. hours, with a meridian determined by observations made on Polaris, I proceed as follows-At the S end of the meridian, previously established in my camp, I set off 32,20½'N on the lat. arc; 1,50½'N on the decl. arc; and at 5h.00m p.m., l.m.t., I determine a meridian with the solar, marking a point thereof on the stone already set 5 chs, N of my station; this mark falls 0.3 ins. W of the meridian established by observation on Polaris.

September 18, 1913.

September 19, 1913. At 7h.00m a.m., l.m.t., I set off 32° 202'N on the lat. arc; 1°37/N on the decl. arc; and at the S end of the meridian, previously established in my camp, I determine with the solar a meridian and mark a point thereof on the stone already set 5 chs. N of my station; this mark falls 0.3 ins. E of the meridian established by Polaris observations.

The sclar apparatus, by p.m. and a.m. observations defines positions for meridians, respectively about 0'16" W and E of the meridian established by Polaris observations; therefore I conclude that the adjustments of the instrument ε are satisfactory.

Setterfor 13, 1013.

Service 20. At 8h.00m a.m., l.m.t., I set off 32° 20'N on the lat. arc; l°35/N on the decl. arc; and determine a meridian with the solar at the cor. of secs. I, 2, 35 and 36, on 8 bdy. of Tp., recently restabliby medas described in Book "Z", Thence I run

N 0°01'W bet secs. 35 and 36.

Over mountainous land through scattered timber and dense brush. Ascend.

8.70 Ridge from high peak to the NE, bears NE and SWandescend.

9.10 Cross wire fence bears NE and SW.

16.80 Cross wash 8 lks. wide course NF. Ascend.

24.00 Descend.

31.60 Cross wash 10 lks. wide course NW. Ascend.

40.00 Set an iron post 3 ft. long, 1 in. in diam, 26 ins. in the ground, for t sec. cor., marked on brass cap, \$35 in W and \$36 in F half; from which

A cedar, 4 ins. in dia., bears S 28°F, 119 lks. dist.;
marked \$\$26BT.

A cedar, 14 ins. in dia., bears S 32°W, 110 lks.
dist.; marked \$\$35BT.

41.00 Ridge bears NW and SE. Descend.

43.70 Cross gulch 10 1ks. wide course NW. Ascend.

49.40 Ridge bears NW and SE. Descend.

59.70 Cross wire fence bears NW and SE.
80.00 Set an iron post 3 ft. long 2 ins. in diam, 24 ins. in the ground, for cor. of secs., 25, 26, 35 and 36, marked on brass cap,1913; TLESFEOF in N half;

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Subdivision of T128 R20E
Chains.
                     $26 in NW,
                     S25 in NE,
                     S36 in SE and
                     S35 in SW quadrant; from which
                     A juniper, 13 ins. in diam, bears N. 23°W., 81 lks. dist.; marked Tl2SR2OES26BT.
                     A cottonwood 24 ins. in diam, bears N. 54°E, 201 lks.
                            dist.; marked Tl2SR2OES25BT.
                     A walnut 16 ins. in diam, bears S. 68 E. 170 lks. dist.;
                            marked T128R20ES36BT.
                     A juniper, 8 ins. in diam, bears S.44°W., 130 lks. dist.; marked Tl2SR20ES35BT.
             Land, mountainous.
             Soil, rocky 4th rate.
             Timber, juniper, cedar, walnut, cottonwood.
            Undergrowth, mesquite, cacti, catclaw.

Let are and observe the sun on the meridian at noon;
 Note:
                  the resulting lat. is 32,2021N.
  East, on a gandom line, bet. secs. 25 and 36.

Set temp. # sec. cor.

1ntersect E bdy. of Tp., 12 lks. S. of the cor. of secs. 25,
30, 31 and 36, which is a granite stone marked and witnessed as described by the Surveyor General.
             Thence I run,
             B.89°55'W, on a true line, bet. secs. 25 and 36.
             Descend along broken N. slope of mountain through dense
              brush.
   35.50 Enter dense timber.
  Set an iron post 3 ft. long, l in. in diam, 26 ins. in the ground, for t sec. cor., marked on brass cap, $\frac{1913}{4}$\frac{1}{2}$\frac{1}{2}$ in N and $36 in S half; from which

An ash, ll ins. in diam, bears N. 765V.,60 lks. dist.;

marked $\frac{1}{4}$\frac{2}{3}$\frac{1}{6}$\text{T}.

An ash, ll ins. in diam, bears S. 4 \text{T}. 20 lks. dist.;

marked $\frac{1}{4}$\frac{3}{3}$\frac{6}{6}$\text{T}.
   43.70 Cross canyon, 300 lks. wide, course NW.
   49.00 Cross canyon, 200 lks. wide, course SW.
53.10 Cross canyon, 200 lks. wide, course NW. Descend along N. slope.
71.90 Cross canyon, 200 lks. wide, course SW.
76.50 Cross canyon, 250 lks. wide, course NW. Ascend.
   80.04 The cor. of secs. 25, 26, 35 and 36, hereinbefore described.
             Land, mountainous.
             Soil, rocky 4th rate.
             Timber, cedar, ash, cottonwood, willow, walnut, mesquite. Undergrowth, cacti, catclaw, mesquite.
                                                                       September 19, 1913.
             September 20, 1913. At 7h.00m a.m., l.m.t., I set off 35° 202'N on the lat. arc; 1914'N on the decl. arc; and determine a meridian at the cor. of secs. 25, 26, 35 and 36, with the solar apparatus.
              with the solar apparatus.
             Thence I run,
             N.O'01'W, bet. secs. 25 and 26.
             Over mountainous land, through dense timber and brush.
             Descend.
    2.00 Cross canyon, 250 lks. wide, course NW. Ascend.
    8.40 Ridge, bears NE and SW. Descend.
 A mesquite 6 ins. in diam, bears S. 84°E, 94 lks. dist.;
marked #S25BT.
A mesquite 4 ins. in diam, bears S. 57°W, 157 lks.
dist.; marked #S26BT.
71.60 Ridge, bears NE and SW. Descend.
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BOOK 2677

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Subdivision of T12S R20E
Chains.
 79.00 Cross wash 8 lks. wide course SW. Ascend.
80.00 Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on kinds
             brass cap, 1913;
                    TlasRack in N. half;
                    $23 in NW.,
$24 in NE.
                    $25iin SF. and
                  826 in SW. quadrant; from which A mesquite, 6 ins. in diam, bears N. 287 W., 48 lks.
                           dist; marked Tl2SR2OFS23BT.
                   A mesquite, 6 ins. in diam, bears N. 40, E., 149 lks. dist.; marked Tl2SR20ES24BT.
A cedar, 10 ins. in diam, bears S. 74 E., 63 lks.
                          dist.; marked Tl2SR2OES25BT.
                    A mesquite, 4 ins. in diam, bears $542°W, 53 lks. dist.; marked Tl2SR2OFS26BT.
           Land, mountainous.
           Soil, rocky 4th rate.
           Timber, mesquite, cedar, cottonwood.
          Undergrowth, mesquite, catclaw, cacti.

Saptaller-Se-large At this cor. I set off 1'072'N. on the decl. are and observe the sun on the meridian at noon; the
 Note:
             resulting lat. is 32'212'N.
 N. 89°55'E, on a random line, bet, secs. 24 and 25.
40.00 Set temp. t sec. cor.
 80.10 Intersect E bdy. of Tp., 9 lks. S. of cor. of secs. 19, 24,
           25 and 30, which is a granite stone marked and witnessed as described by the Surveyor General.
           ThenneeI run
         B.89°51'W., on a true line, bet. secs. 24 and 25.
 Ascend along broken NE. slope, through stimber and brush. 35.65 Ridge, bearshiw. and SE. Descend.
37.80 Proge canyon, 115 Aks., wide, course SW. Ascend.
40.05 Set an iron post 3 ft. long, 1 in. in diam, 26 ins. in the ground, for t sec. cor., marked on brass cap, 4824 ih N. and $25 in S. half;
                  Raise a mound of stone 2 ft. base, 12 ft. high, N. of
                       cor. Pits impracticable.
Top of N. slope of peak. Descend. 79.60 Cross wash, 8 lks. wide, course SW. Ascend. 80.10 The cor. of secs. 23, 24, 25 and 26.hereinbefore described
           Land, mountainous.
           Soil, rocky 4th rate.
           Timber, cedar, mesquite.
          Undergrowth, catclaw, cacti, mesquite.
                                                                    September 20, 1913.
          September 21. 1913. At 7h.00m a.m., 1.m.t., I set off 32° 20'N on the lati.arc; 0\50\frac{1}{2}\N on the decl. arc; and determine a meridian with the solitar the Witness coctor of secs. 2, 3, 34 and 35, on S bdy. of Tr., recently establish me as described in Book "Z" Thence I run, from true point for cor.
           N. O'Oll.W., bet. secs. 34 and 35.
           Ascend over mountainous land, through scattered timber and
            dense brush.
18.80 Ridge, bears NW and SE. Descend.
30.50 Cross wash, 15 lks. wide, course NW. Ascend.
40.00 Set an iron post 3 ft. long, 1 in. in diam, 26 ins. in the
            ground, for $\frac{1}{4}$ sec. com., marked on brass cap $\frac{1}{4}$ $34 in \textbf{W}. and $35 in E.half.
                   Raise a mound of stone 2 ft. base, 12 ft. high, W. of
                        cor. Pits impracticable.
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43.05 Ridge, bears NW and SE. Descend. 64.30 Ridge, bears NW and SE. Descend.

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Partial Subdivision of T128 R20E.
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Chains.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in the ground, for cor. of secs. 26; 27, 34 and 35, marked on
          brass cap,1913;
                  T12SR2OE in N. half;
                 S27 in NW,
S26 in NE,
                  835 in SE.and
                  S34 in SW. quadrant; from which
                 A cedar, 13 ins. in diam, bears N.47°W, 74 lks. dist. marked Tl2SR2OES27BT. No other trees available. Raise a mound of stone 2 ft. base, 12 ft. high, W. of
                      cor. Pits impracticable.
          Land, mountainous.
          Soil, rocky 4th rate. .
          Timber, juniper.
 Undergrowth, mesquite, cacti; catclaw.

Note: Sectoff O'44'N on the
            decl. arc and observe the sun on the meridian at moon;
            the resulting lat. is 32^{\circ}20^{\frac{1}{2}}.
          East, ontagrandomolane, bet. secs. 26 and 35.
 40.00 Set temp. t sec. cor. 80.18 Intersect N. and S. line, 19 lks. N. of the cor. of secs. 25,
           26, 35 and 36, hereinbefore described,
          Thence I run,
          N.89°52'W, on a true line, bet. secs. 26 and 35.
         Ascend along broken N. slope, through scattered timber and
 dense brush.
23.77 Top of ridge, bears N. and SS. Descend. From this point,
           Frame house of D.W. Isaacson, bears N. 11°37'E.
            Adobe house of D.W. Isaacson, bears N. 14°E.
 39.80 Cross canyon, 225 lks. wide course SW. Ascend.
 40.09 Point for the sec. cor. falls in canyon.
41.50 Set an iron post 3 ft. long, 1 in. in diam, 26 inst in the ground for with mess core to the sec. cor.; marked on brass cap, WCt Inc. half, $26 in NW and $55 in SW. huadrant; mfrom which
                A mesquite, 7 ins. in diam, bears N. 34°E., 12 lks. dist.; marked WC+S26BT.
                A sycamore, 18 ins. in diam, bears S. 10°E, 136 lks. dist.; marked WC+S35BT.
          Descend.
 43.25 Cross canyon, 225 lks. wide, course NW. Ascend.
 52.25 Midge, bears W. and S. Descend. From this point Frame house of D.W. Isaacson, bears N. 72°E. Adobe house of D.W. Isaacson, bears N. 72°O5'E.
60.00 Cross wash, 20 lks. wide, course NE. Ascend, broken NE slope. 80.18 The cor. of secs. 26, 27, 34 and 35, hereinbefore described.
          Land, mountainous.
          Soil rocky 4th rate.
          Timber, juniper, mesquite.
          Undergrowth, mesquite, cacti.
                                                                 September 21, 1913.
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September 22, 1913. At 7h.00m a.m., l.m.t., I set off 32° 202'N on the lat. arc; 0°27/N. on the decl. arc; and determine with the solar a meridian at the cor. of secs, 26, 27 34 and 35, hereinbefore described, Thence I run, N. O'Ol'W, bet. secs: 26 and 27. Descend steep N. slope, through scattered timber and dense brush. 12.80 Bross canyon, 230 lks. wide, course W. Ascend. 33.60 Ridge, bears NW. and SE. Descend. Since Course SW. Ascend.

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Partial
                      Subdivision of T12S R2GE.
Chains
          Set an iron post 3 ft. long, l in. in diam, 26 ins. in the ground formation to the sec. cor., marked on brass cap WCL in N. half; S26 in SE. and S27 in SW. quadrant; from which
 39.50
            A forked cedar, 8 ins. in diam, bears N. 76 W., 76 lks.
                  dist.; marked WCtS27BT.
          A mesquite 7 ins. in diam, bears N.82°E, 54 lks. dist.; marked WC+S26BT.

Point for 4 sec. cor. falls in wash, 20 lks. wide, course
40.00
           SW. Ascend, over broken SW. slope.
          Cross wash, 15 lks. wide, course SW.
Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, marked
 79.50
80.00
   20 1
            on brass cap, 1913;
                  Tl2SR2OE in N. half;
                 822 in NW.,
                 $23 in NE,
$26 in SE and
                  $27. in SW. quadrant; from which
                  A mesquite 5 ins. in diam, bears N. 30°W, 68 lks.
                 dist.; marked Tl2SR2OES22BT.

A cedar 8 ins. in diam, bears N.62°E, 190 lks. dist.;
                       marked T12SR2OES23BT.
                 A cedar, 10 ins. in diam, bears S.2°E, 85 lks. dist.
                       marked T12SR2OES26BT.
                  A cedar 7 ins. in diam, bears S.31'W, 247 lks. dist.;
                       marked T12SR2OES27BT.
          Land, mountainous. Soil, rocky 4th rate.
          Timber, juniper, cedar, mesquite.
 Undergrowth, cacti, catclaw, ocatilla, mesquite. V
Note: $45-466-466-At this cor. I set off 0°202'N on the
            decl. arc and observe the sun on the meridian at noon; the resulting lat. is 32°212'N.
          S.89°52'E, on a random line, bet. secs. 23 and 26. Set temp. # sec. cor.
 40.00
          Intersect N. and S. line, 7 lks. S. of the cor. of secs. 23,
80.12
           24, 25 and 26. hereinbefore described
          Thence I run,
          N. 89°55' W., on a true line, bet. secs. 23 and 26.
          Descend over mountainous land, through scattered timber and
            dense brush?
  4.00
          Cross wash, 20 lks. wide, course, S. Ascend.
          Ridge, bears NW. and SE. Descend.
 12.50
          Cross wash, 30 lks. wide, course S. Ascend. Set an iron rost 3 ft. long, 1 in. in diam, 26 ins. in th ground, for $\pi$ sec. cor., marked on brass cap, $\pi$ $\pi$ S23 in N.
 36.40
                                                                                    in the
 40.06
            and $26 in S.half; from which
                A cedar, 8 ins. in diam, bears N.55°W, 82 lks. dist.; marked $23BT.
                A mesquite, 4 ins. in diam, bears S. 70°W, 56 lks. dist.; marked $$26BT.
          Ridge, bears NE. and SW. Descend.
52.80
          Cross wash, 12 1ks. wide, course SW. Ascend.
56.60
          Ridge, bears NE and SW. Descend.
65.20
          Cross wash, 15 lks. wide, course SW. Ascend. The cor. of secs. 22, 23, 26 and 27, hereinbefore described.
 79.30
80,12
          Land, mountainous.
          Soil, rocky 4th rate.
          Timber, juniper, mesquite, cedar.
          Undergrowth, mesquite, cacti, catclaw, ocatilla.
                                                             September 22, 1943.
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beptemoer as, 1940.

September 33, 1913, At 7h.00m a.m., l.m.t., I set off 32° 30'N on the lat. arc; 0°04'N on the decl arc; and determine a meridian with the solar, at the cor. Tof secs. 3 on 4, 33 and 34, on S bdy. of Tp, recently estab.by me as described in Book " Z "

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Partial Subdivision of T12S R2OF
        Thence I run,
       \sqrt{N} \cdot O^{\circ}O2^{\circ}W, bet. secs. 33 and 34.
        Ascend W. slope of high peak, through scattered timber and
        dense brush.
 2..00 Top of W. slope of peak. Descend.
17.80 Cross gulch, 30 lks. wide, course SW. Ascend. 36.50 Ridge, bears E. and W. Pescend.
40.00 Set an iron post 3 ft. long, l in. in diam., 26 ins. in the ground, for t sec. cor., marked on brass cap, 4833 in W.
        and S34 in E. half.
            Raide a mound of stone 2 ft. base, 12 ft. high, W. of
                cor. Pits impracticable.
50.60 Cross gulch, 20 lks. wide, course SW. Ascend.
54.60 Ridge, bears NNE and SW. Pescend.
62.00 Cross Hot Springs canyon, running water, 4 ft. wide, 6 ins.
deep, course SW. Ascend.

80.00 Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, marked on
         brass cap, 1913;
              T12SR3OE in N. half;
              S28 in NW.,
S27 in NE.,
S24 in SE. and
              S33 in SW. quadrant..
              Raise a mound of stone 2 ft. base, 12 ft. high, W. of
                  cor. Pits impracticable.
       Land, mountainous.
       Soil, rocky 4th rate.
       Timber, juniper, cedar, cottonwood.
 decl. arc; and observe the sun on the meridian at noon;
         the resulting lat. is 32^{\circ}20^{\frac{1}{2}}.
East, bn a random line, bet. secs. 27 and 34.
40.00 Set temp. 4 sec. cor.
80.32 Intersect N. and S. line, 14 lks. N. of cor. of secs. 26, 27,
        34 and 35, hereinbefore described,
        Thence I run,
       N./89°54'W., on a true line, bet. secs. 27 and 34.
        Over mountainous country, through scattered timber and dense
        undergrowth. Ascend,
Ridge, bears NW. and SE. Descend,
40.16 Set an iron rost 3 ft. long, 1 in. in diam, 26 ins. in the ground, for # sec. cor., marked on brass cap, #$27 in N. and $34 in S. half.
              Raise a mound of stone 2 ft. base, 12 ft. high, N. of
                  cor. Pits impracticable.
60.00 Cross Hot Springs canyon, 150 1ks. wide, running water 4 ft.
wide, 6 ins. deep, course SW. Ascend.
80.32 The cor. of secs. 27, 28, 33 and 34, hereinbefore described.
        Land, mountainous.
        Soil, rocky 4th rate.
        Timber, cedar, mesquite, cottonwood.
        Undergrowth, cacti, catclaw, mesquite.
                                                         September 23, 1913.
        September 24, 1913, At 7h.00m a.m., l.m.t., I set off 32° 202'N. on the lat. arc; 0 193'S. on the decl. arc; and deter
         mine with the solar a meridian at the cor. of secs. 27, 28,
         33 and 34, on 9 bdy. of Tp. hereinbefore described
      /Thence I run
N.0°03'W, bet. secs. 27 and 28.
        Over mountainous land, through scattered timber and dense
         brush. Ascend steep.
29.40 Pime of canyon, Ascend gradually.
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BOOK 2677

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Partial Subdivision of T128 R20E
Chains.
           Set an iron post 3 ft. long, l in. in diam, 26 ins. in the ground, for a sec. cor., marked on brass car A $13,4828 in W. and $27 in E. half.
 40.00
                  Raise a mound of stone 2 ft, base, 1\frac{1}{2} ft. high, W. of
                      cor. Pits impracticable.
 45.00
           Ridge bears NW and SE. Descend.
 66.00
           Cross gulch 20 lks. wide course NW.
          Cross wash 20 lks. wide course NW. Ascend.
Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in
the ground, for cor. of secs. 21,22, 27 and 28, marked on
 71.90
 80.00
            brass cap, 1913;
                  T128R2OE in N. half;
                  S21 in NW,
S22 in NE,
                  $27 in SE, and
                 S28 in SW. quadrant; from which A mesquite, 8 ins. in diam, bears N. 19 W., 257 lks. dist; marked Tl2EP2OES21BT.
                  A mesquite, 9 ins. in diam, bears N. 204 CE, 264 lks. dist.; marked Tl2SR2OES22BT.
                  A mesquite 11 ins. in diam, bears S 59\frac{1}{4}°E, 288 lks.
                  dist.; marked Tl2SR2OES27BT.

A cedar, 5 ins. in diam, bears S. 40\frac{1}{4}°W., 330 lks.
                       dist.; marked T12SR2OES28BT.
          Land, mountainous.
          Soil, rocky 4th rate.
          Timber, mesquite, cedar,
  Undergrowth, mesquite, cacti, catclaw.

Note: September 24, -1816. At this cor. I set off 0°26'S on the
            decl. arc and observe the sun on the meridian at koon;
            the resulting lat. is 32°31½'N.
          S. 89°54'E., on a random line, bet. secs. 22 and 27.
  40.00 Set temp. 4 sec. cor. 80.24 Intersect Nand S. line, 5 lks. S. of cor. of secs. 22, 23,
           26 and 27, hereinbefore described,
          Thence I run
         \sqrt{N}. 89°56'W, on a true line, bet. secs. 22 and 27.
          Over mountainous land through scattered timber and dense
           brush. Ascend.
 4.60 Ridge bears N and S. Descend.
32.80 Cross wash 12 lks. wide course SW. Ascend.
40.12 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in th ground, for 4 sec. com., marked on brass cap, 4822 in N. and S27 in S. half.
                Raise a mound of stone 2 ft. base, 12 ft. high, N. of
 cor. Pits impracticable. 40.60 Ridge bears N and S. Descend.
  63.90 Cross wash 12 lks. wide course SW. Ascend.
  80,24 The cor. of secs. 21, 22, 27 and 28, hereinbefore described.
          Land, mountainous.
          Soil, rocky 4th rate.
          Timber, juniper.
          Undergrowth, mesquite, cacti, catclaw.
                                                           September 24, 1913.
          September 25, 1913, At 7h.00m a.m., l.m.t., I set off 32° 20'N. on the lat. arc; 0°43'S. on the decl. arc; and deter-
          mine with the solar a meridian at the cor. of secs. 4,5, 32 and 33 on the S. bdy. of Tp., recently estably me as Tdescribed in Book "z", Thebce I run
         N. 0°02'W, bet secs. 32 and 33.
           Descend over mountainous land through dense brush.
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Partial Subdivision of T12S R20E
Chains.
         and S33 in E.half;
             Raise a mound of stone 2 ft. base, 1 ft. high, W of
                   cor. Pits impracticable.
 73.80 Ascend gradually on a flat mesa.
80.00 Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked on
          brass cap,1913;
               T12SR2OE in N. half;
               S29 in NW,
S28 in NE,
S33 in SE and
               S32 in SW. quadrant.
               Raise a mound of stone 2 ft. base, 1\frac{1}{2} ft. high, W. of
                   cor. Pits impracticable.
         Land, mountainous.
         Soil, rocky 4th rate.
         No timber.
         Undergrowth, mesquite, cacti, catclaw.
 East, on a random line, bet. secs. 28 and 33. 40.00 Set temp. 4 sec. cor.
 80.06 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 27, 28
         33 and 34, hereinbefore described Thence I run
       \sqrt{\$.89}58'W., on a true line, bet. secs. 28 and 33,
         Over mountainous land, through demse brush. Ascend.
 31.70 Ridge, bears NW. and SE. Descend.
Raise a mound of stone 2 ft. base, light. high, N. of
                    cor. Pits impracticable.
41.00 Cross gulch, 8 lks. wide, course S. Ascend. 66.40 Rim of mesa. Ascend gradually. 80.06 The cor. of secs. 28, 29, 32 and 33.hereinbefore described
        Land, mountainous.
         Soil, rocky 4th rate.
        No timber.
  Undergrowth, mesquite, catti, cattlaw.

Note: September At this cor. I set off 0.492 S on the
          decl. are and observe the sun on the meridian at moon;
          the resulting lat. is 32,202'N.
         N.0 O2 W, bet secs. 28 and 29.
         Over level mesa through dense brush.
 24.80 Rim of mesa. Descend.
 29.30 Cross gulch, 12 lks. wide, course W. Ascend. 34.60 Rim of mesa; thence over level land.
        Set an iron post 3 ft. long, lin. in diam, 36 ins. in the ground, for 4 sec. cor., marked on brass can 4 $29 in W.
 40.00
           and S28 in E. half.
               Raise a mound of stone 2 ft. base, l_{\frac{1}{2}} ft. high, W. of cbr. Pits impracticable.
          Rim of mesa. Descend.
 46.10
          Cross gulch, 15 lks. wide, course SW. Thence along SW slope. Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in
 61.25
 80.00
           the ground, for cor. of secs. 20, 21, 28 and 29, marked
           on brass cap,1913;
                T12SP2OE in N. half;
                $20 in NW,
$21 in NE,
                S28 in SE. and
                S29 in SW quadrant.
                Raise & mound of stone 2 ft. base, 1/2 ft. high, W. of
                    cor. Pits impracticable.
          Land, mountainous.
          Soil, rocky rth rate.
         No timber.
Undergrowth, mesquite, ocatilla, cacti, catclaw.
September 25, 1913.
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FOCK 2677

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Partial Subdivision of T128 R20E
Chains.
           September 27, 1913, At 7 h.00m a.m., l.m.t., I set off 32° 21½'N. on the lat. arc; 1529½'S. on the decl. arc; and deter-
            mine a meridian with the solar at the cor. of secs. 20, 31
            21, 28 and 29, hereinbefore described,
           Thence I run, N.89;58'E, on a random line, bet. secs. 31 and 28.
 40.00 Set temp. # sec. cor.
80.14 Intersect N. and S. line, 12 lks. N. of the cor. of secs. 21,
            22, 27 and 28, hereinbefore described
           Thence I run
           N.89°57'W, on a true line, bet. secs. 21 and 28.
Descend over mountainous land, through dense brush and scat-
            tered timber.
  8.97
           Cross wash, 10,1ks. wide course NW.
 A cedar, 34 ins. in diam, bears N. 66°W., 76 lks. dist.; marked 4821BT.
                A cedar, 16 ins. in diam, bears S.8'E, 22 lks. dist.;
                      marked &S28BT.
          Enter dense timber. Along a broken N. slope. The cor. of secs. 20, 21, 28 and 29, hereimbefore described.
           Land, mountainous.
           Soil, rocky 4th rate.
           Timber, cedar.
           Undergrowth, mesquite, cacti, ocatilla, catclaw.
                                                             September 27, 1913.
                                        ____
           September 36, 1913, At 7h.00m a.m., l.m.t., I set off 32° 20°N. on the lat. arc; 1^c6\frac{1}{2}VS. on the decl. arc; and determine the set of 32° 20°N.
            mine with the solar a meridian at the cor. of secs. 5, 6,
         31 and 32, on S bdy. of Tr., recently estab.by me as Thescribed in Book "Z" Thence I run, N. 0°03'W, bet. secs. 31 and 32.
           Over mountainous land, through dense brush. Pescend.
          Cross wash, 8 lks. wide, course SE. Ascend.
  4.80
          Ridge, bears NW. and SW. Descend.
 25.00
          Cross wash, 10 lks. wide, course SW. Ascend.
Ridge, bears NE and SW. Descend.
Set an iron post 3 ft. long, 1 in. in diam., 36 ins. in the ground, for t sec. cor., marked on brass cap, $\frac{19}{4}$$ $31 in W.
 29.30
 38.00
 40.00
            and S32 in E. half.
                 Raise a mound of stone 2 ft. base, 1\frac{1}{2} ft. high, W. of
                      cor. Pits impracticable.
          Cross gulchy20 lks. wide, course SW. Ascend. Pidge, bears NE and SW. Descend.
 48.10
 58.70
           Cross wash, 15 lks. wide, course SW. Ascend.
 68.00
          Rim of mesa. Over nearly level land.
Set an iron post 3 ft. long, 2 ins. in diam, 34 ins. in the
ground, for cor. of secs. 39, 30, 31 and 32., marked on
 74.60
 80.00
            brass cap,1913;
                  TIBSEBOE in N. half;
                 S30 in NW.,
S29 in NE.
S32 in SE and
                  S31 in SW quadrant.
                 Raise a mound of stone 2 ft. base, 12 ft. high, W. of
                      cor. Pits impracticable.
           Land, mountainous.
          Soil, rocky 4th rate.
          No timber.
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Undergrowth, mesquite, cacti, catclaw.

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Partial Subdivision of T128 R20E
Chains.
          East, on a random line, bet. secs. 39 and 32. Set temp. # sec. cor.
 40.00
 79.98
          Intersect N. and S. line, 2 lks. N. of the cor. of secs. 28, S
           29, 32 and 33, hereinbefore described,
          Thence I run,
          N. 89,53 W, on a true line, bet. secs. 29 and 32.
          Over nearly level land, on mesa through dense brush.
         Set an iron post 3 ft. long, 1 in. in diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass call $\frac{1913}{4}$$\frac{1}{4}$$$S29 in N. and $S32 in S. half.
 39.99
                Raise a mound of stone 2 ft. base, 12 ft. high, N. of
                     cor. Pits impracticable.
 57.70
          Cross wash, 15 lks. wide, course SW.
          The cor. of secs. 29, 30, 31 and 32.hereinbefore described
 79.98
          Land, mountainous.
          Soil, rocky 4th rate.
          No timber.
  Undergrowth, greasewood.
Note: Sertember-38; -1313; At this cor. I set off 1°13'S on the
           decl. arc and observe the sun on the meridian at noon; the resulting lat. is 32.20^{1} N.
         West, betasees, 30 and 31, on true line
Over nearly level mesa through dense brush.

40.00 Setan iron rost 3 ft. long, 1 in. in diam, 26 ins. in the ground, for 4 sec. cor., marked on brass cap, 4830 in N. and S31 in S. half.
               Raise a mound of stone 2 ft. base, 12 ft. high, N. of
                   cor. Pits impracticable.
 45.00 Rim of mesa. Descend over broken SW slope.
 57.52 Intersect W. bdy. of Tp., 8.28 chs. 5.0 53 E., of the cor. of
         secs. 25 and 36,T 112 S R. 19 Respectionally Areestiable by mentage
         hereimbefore described. At point of intersection I
        Set an iron post 3 ft. long, 2 ins.in diam, 24 ins. in the ground, for closing cor. of secs. 30 and 31,7 12 18 .R .20 E. marked on brass cap, 1913;
               CC W. of center;
               T12S in N. and
               S25S36R19E in W. half;
               830 in NE. and
               S31R2OE in SE. quadrant.
               Raise a mound of stone 2 ft. base, 12 ft. high, E. of
                   cor. Pits impracticable.
        Land, mountainous.
        Soil, rocky 4th rate.
         No timber.
         Undergrowth, mesquite, cacti, catclaw, greasewood.
        N. 0°03'W., bet. secs. 29 and 30.
Over nearly level land, through dense brush.
Raise a mound of stone 2 ft. base, l_2^1 ft. high, W. of
                   cor. Pits impracticable.
         Rim of mesa, nearly level.
 57.50
        Rim of mesa. Descend.
80.00 Set an iron rost 3 ft. long, 2 ins. in diam, 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, marked on brass cap,1913:
               T12SR2OE in N. half;
               S19 in NW,
               S20 in NE,
               S29 in SE and
               830 in SW quadrant.
               Raise a mound of stone 2 ft. base, lo ft. high, E. cor. On account of bluff 3 ft. W. of cor. I place
                                                                              F. of
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BOOK 2677

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Partial Subdivision of T12S RECE
Chains.
                      mound on E. Pits impracticable.
                    Land, mountainous.
                     Soil, rocky 4th rate.
                    No timber.
                    Undergrowth, mesquite, cacti, greasewood, ocatilla.
                                                                                                           September 26, 1918.
                  September 27, 1913,
                  S.89,59'E, on a random line, bet. secs. 20 and 29.
  40.00 Set temp. \frac{1}{4} sec. cor. 80.02 Intersect N. and S. line, 14 lks. S. of the cor. of secs. 20,
                 21, 28 and 29, hereinbefore described,
                  Thence I run,
               \sqrt{8.89^{\circ}55} W, on a true line, bet. secs. 30 and 29.
                  Over mountainous land, through scattered timber and dense
                   brush. Pescend.
  19.40 Cross wash, 60 lks. wide, course SW. Ascend.
  28.00 Descend.
  36.30 Cross wash, 60 lks. wide, course NW.
40.01 Set an iron post 3 ft. long, 1 in. in diam, 26 ins. in the ground, for a sec. cor., marked on brass cap<sup>9/3</sup> 4820 in M.
and SS29 win Schalf; from which
                              A cedar, 6 ins. in diam, bears N.76°W., 82 lks. dist.; marked 4820BT.
                               A cedar, 5 ins. in diam, bears S.63°E, 63 lks. dist.; marked $23BT.
  43.50 Cross wash, 60 lks. wide, course SW. Ascend.
  47.00 Spur from SE. Descend.
  55.00 Cross wash, 60 lks. wide, course NW. Along N slope of ridge. 80.02 The cor. of secs. 19, 20, 29 and 30, hereinbefore described.
                  Land, mountainous.
Soil rocky 4th rate.
                  Eimber, cedar.
       Indergrowth, cacti, ocatilla, greasewood.

Note: At this cor. I set off 1°36½'S on the decl. arc and observe the sun on the meridian at noon;
                    the resulting lat. is 32°212'N.
                 West, bet. secs. 19 and 30, on true line,
Over mountainous land, through dense brush.and scattered
                    timber. Descend.
    S.00 Ascend.
  19.70 Ridge, bears N. and S. Descend.
24.60 Cross wash, 10 lks. wide, course SW. Ascend.
29.60 Ridge, bears N. and S. Descend.
                  Cross wash, 8 lks. wide, course NW. Ascend.
  35.60
 Set an iron post 3 ft. long, 1 in. in diam, 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ $\frac{1}{4}$$ $\frac{1}{4
                              Raise a mound of stone 2 ft. base, 12 ft. high, N. of
                                       cor. Pits impracticable.
  45.30 Cross wash, 4 lks. wide, course SW. Ascend.
 47.40 Ridge, bears N. and S. Descend.

57.54 Intersect W. bdy. of Tp., 8.28 chs. S. of the cor. of secs.

24 and 25, Tp.12 Big. 19 H., recently establby melas described
In Book "Z". At point of intersection I
                  Set an iron post 3 ft. long, 2 ins. in diam, 24 ins. in the ground, for closing cor. of secs. 19 and 30 T 12 S.R.20 E.
                     marked on brass cap, 1913;
                               CC W. of center;
                               TISS in N. and
                               S24S25R19E in W.half;
                               S19 in NE. and
                               S30R20E in SE quadrant; from which A mesquite, 12 ins. in diam, bears N. 492°E, 52 lks.
                                         dist.; marked CCT12SR2OES19BT.
                               A mesquite, 8 ins. in dia., bears 8.34\% E., 59 lks.
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dist.; marked CCTlaSR2OES3OBT.

Partial Subdivision of T128 R20E

D.W. Isaacson.

Chains.

Land, mountainous.
Soil, rocky 4th rate.
Timber, cedar, mesquite.
Undergrowth, mesquite, ocatilla, cacti.

September 27, 1913.

GENERAL DESCRIPTION.

This township is very mountainous and rough. The soil is rocky and 4th rate. The drainage is to the southwest. There is a small stream of running water in the Hot Springs canyon. There is scattered growth of timber covering the entire township. A dense growth of undergrowth covers all of the township.

There is one settler in sec. 26. This was the entry of Russel T. Johnson, the applicant, but has been sold to

U.S.Surveyor.

184 26TI.

(15)

For FINAL OATH OF UNITED STATES SURVEYOR. See Book "ZB" Group 18

I,, U. S. Surveyor, do solemnly swear that, in pursuance
of special instructions received from the U.S. Surveyor General for
bearing 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 Surveying
Instructions, and the laws of the United States, surveyed all those parts or portions of
of the
, which are represented in
the foregoing field notes as having been executed by me, and under my direction; and I do further
solemnly swear that all the corners of said survey have been established and perpetuated in strict accord-
ance with the Manual of Surveying Instructions, and the special written instructions of the U.S. Surveyor
General forand in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey.
U. S. Surveyor.
Subscribed by said, and sworn to before me)
this, 191

•
APPROVAL.
OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Phoenix, Arizona, July 21, 194
The foregoing field notes of the survey of the
Subdivision lines
and resurvey of part of the West boundary of
and resurvey of part of the West boundary of Township Nº 12 South, Range Nº 20 East of the
Gila and Salt River Base and Meridian, Arizona
executed by John F. Hesse U.S. Surveyor
executed by John F. Hesse, U.S. Surveyor under his special instructions dated May 22nd , having been
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surveys, they describe, are hereby approved.
Thank I sing alls
critically examined, and the necessary corrections and explanations made, the said field notes, and the and resurveys surveys they describe, are hereby approved. The Grant of Surveyor General of Arizona. Toertify that the foregoing transcript of the field notes of the above described are in
I certify that the foregoing transcript of the field notes of the above-described surveys in
, has been correctly copied from the original notes on file in this office.