Book "H"

800K 8778

Subdivisions FIELD NOTES

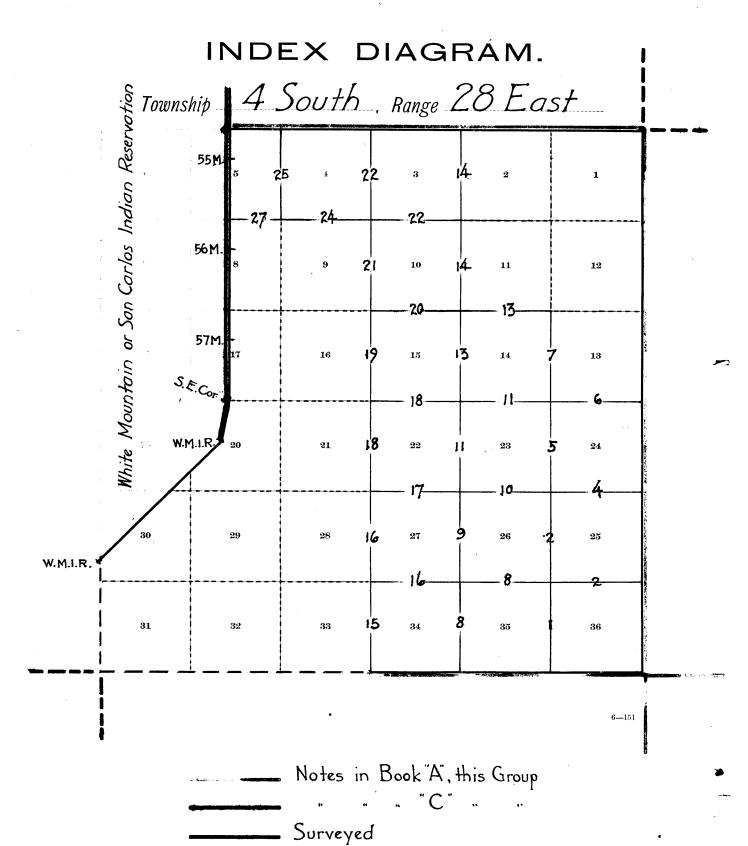
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OF THE SURVEY OF THE

PART OF THE
SUBDIVISION LINES OF
FRACTIONAL TOWNSHIP 4 SOUTH RANGE 28 EAST
Of the Gila and Salt River Base and Meridian,
In the State ofARIZONA
EXECUTED BY
WILLIAM B. KIMMEL
In the capacity of U.S. Surveyor, under instructions dated April 4, 191 3
issued by the United States Surveyor General to govern surveys included in
Group $No.$ 26 , which were approved by the Commissioner of the General Land
Office, April 14 , 1913, pursuant to authority contained in the Act of
Congress dated June 23, 1913
Survey commencedDecember_10, 1913
Survey completed January 8 . 1914

Book "H"

BOOK 2773



Unsurveyed

ECOK 2778 Partial Subdivision of frac. Township 4 South Range 28 Fast Chains. Survey commenced Dec. 10,1913, and executed with Young and Son's light mountain transit, No.8541, with Smith solar attachment. For description of instrument and certificate of approval, see Book "A." Knowing from recent and repeated tests of my instrument on a meridian established by observations on Polaris at elongation that it is in addrect madjustment, I proceed to the subdivision of fractional T. 4 S., R.28 E.

At 8h.2m. a.m., 1.m.t., I set off 33°2'N. on the lat.

arc; 22°51'S. on the declearc; and determine a meridian with the solar at the corner of secs. 1,2,35 and 36, on the south bdy of he Tp., established by me, as described in Book "A." Thence I run,
N.0°1'W., bet. secs.35 and 36.
Ascend SE. slope, 175 ft.; impracticable to chain over; therefore, obtain measurement on secoline by triangulation, as follows: Set a flag on sec.line, on top of rocky point; then from cor. of secs.1,2, 35 and 36,I lay off a base line, N.22° 49' E., 11.92 chs. from the NEL end of which the flag brs. N.45° 28'W.; therefore, the dist. from cor. of secs.1,2, 35 and 36 to flag = sin 67° 44' x 11.92 - 15.54 chs.

sin. 89°26 From the NE. end of base line, Espinosa's house brs. N. 540 Impossible to chain measurement on 15.54 Flag on rocky point. sec.cline; therefore, I triangulate as follows: Set a flag on sec.line on the north bank of box canyon, and from it measure a base line S.46°32 E., 15.28 chs. from the SE end of which the flag on sec.line at 15.54 chain point, brs.5.53°23 W.; therefore, the dist.on sec. line bet flags = sin 80° 05' x 15.28 = 18175 chs.

sin 53° 24'
added to 15.54 chs. = 34.29 chs., flag point. 21 % 18175 chs., which Flag on north bank of box canyon, 5 chs. wide, 150 ft.deep torrefsess Flag on north pank of John course E.

Espinoza's house brs. S.63°E. from this point.

Ascend SW.slope, 30 ft.to

Spur ridge, brs.SE. Thence along broken east slope.

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,

1913 on S rim,

\$\frac{1}{4}\$ S 35 in W., and

S 36 in E half; and raise a mound of the core of the core. Pits impraction 34.29 1,2,35 & 36 35.75 40.00 and raise a mound of stone Pits impracti-2 ft.base, la ft. high As this core is on south edge of head of deep box canyon, over which I cannot chain, I set rod ahead on sectine, and measure by stadia: Rod reading, 1.444 ft. Ratio, 1 ft. 2 chs. Focal constant, 1.025 ft. Level. The distance to rod is therefore, 1.444 x 2 plus .0162 2.90 chs., which added to 40.00 chs. = 42.90 chs.rod cable. point. Rod point on spur ridge, brs.SE.; descend. Descend steep NE slope to Eagle Creek. Foot of cliffs, brs. NW and SE. 42.90 47.40 50.45 South edge of Eagle Creek, 60 lks.wide, 5 ins. deep, course Small irrigation ditch, course SE. 51.60 51.92 A vacantadobe house, brs. N. 45°W., about 14 chs. dist. Trail, brs.NW and SE.
Foot of cliffs on north side of Eagle Creek, brs.NW and SE. Ascend S. slope, 150 ft.to

Descend NW. slope, 150 ft.to 55•35 Spur ridge, brs.E. and W. Descend NW. slope, 150 ft.to Eagle Creek, 60 lks.wide, 5 ins. deep, course SW. Mexican cabin brs.S. 84°E., about 4 chs.dist. Trail, brs.NE and SW. 3-strand wire fence, brs.NE and SW. 62.00

71.50 72.10 Small irrigation ditch, course SW. 73.00

69.00 70.01 POOR 2773

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Partial S. bdivisoon of frac. Township 4 S., R. 28 E.
           Wire fence brs.NE' and SW. Ascend S. slope, of sandstone
73.56
                hill, 175 ft.to
          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
80.00
                on brass cap,

1913 on S rim,

194 S R 28 E in N.half;

S 26 in NW,
               S 26 in NW,
S 25 in NE,
S 36 in SE, and
S 35 in SW quadrant;
and raise a mound of stone, 2 ft.base, 1\frac{1}{2} ft. high, west
               of conner. Pits impracticable.
          Land, hilly and mountainous.
          Soil, 2nd and 4th rate.
          Timber, cottonwood and willow along creek.
          Undergrowth, dense mesquite, catclaw and cacti.
Mountainous land, 75 chs.
Note: The sky was overcast at noon, making an observation
             for latitude impossible.
                                                            Dec.10,1913.
          Dec.11,1913:
          East, on a random line, bet. secs. 25 and 36.
40.00
          Set temp. 4 sec.cor.
79.98
          Intersect east bdy.of Tp., 21 lks.north of the cor.of secs.
          25,30, 31 and 36, established by me, as described in Book "A."

Thence I run,
          N. 89°51 W., on a true line, bet. secs.25 and 36.
          Over broken, rocky north slope, through scattering timber
               and undergrowth.
          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, \( \frac{1913}{4} \) on S rim, \( \frac{1}{4} \) S 25 in N., and \( \frac{1}{2} \) S in S.half; \( \text{and raise a mound of stone 2 ft. base, $1\frac{1}{2} \) ft. high, north of corner. Pits impracticable.
39.99
          Continue along broken north slope.
Top of cliffs, bears NW. and SE. Descend SW. slope,225
60.00
               ft.to
          Foot of cliffs, brs. NW and SE.
70.80
                                                             Enter cultivated land.
71.90
73.55
73.91
74.84
75.50
75.80
79.98
          Leave cultivated land, brs. N. and S.
          WirelfenceNbrs NSand S.
          Trail, brs. N. and S.
          Eagle Creek, 45 lks, wide, 6 ins. deep, course S. Small irrigation ditch, course S. Foot of cliffs; ascend east slope to
          The cor. of secs. 25, 26, 35 and 36.
          Land, rolling and hilly. Soil, 2nd and 4th rate.
          Timber, sottonwood and willow on creek.
          Undergrowth, scattering scrub oak, catclaw and mesquite.
                                                                Dec.11, 1913.
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Dec.12,1913: At 8h. 10m. a.m., 1.m.t., I set off 33°2½'N on the lat.arc; 23°1'S. on the decl.arc; and determine a meridian with the solar at the cor.of secs.25, 26,35 and 36, hereinbefore described.

Thence I run,
N.0°1'W., bet. secs.25 and 26.

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COK 2773
    Partial S. bdivision of Township 4 South, Range 28 E.
                                                                                                                         <u>3.</u>
Chains.
              Descend precipitous NE. slope, 500 ft. to
             Foot of precipice, 150 ft. high; ascend. Spur ridge, brs. SE. Descend NE' slope.
    •23
              Spur ridge, brs.SE.
  3.00
6.82
             Cliffs, brs. NW. and SE. Continue descent. Foot of bluff, brs. NW and SE.
12.30
12.55
12.73
              Small irrigation ditch, brs.SE.
              Trail brs. NW. and SE.
              Eagle Creek, 60 lks.wide, 12 ins. deep, course SE.
14.10
              Foot of bluffs, brs. NW and SE. Impossible to chain or
17.10
                                                                                                Therefore, I return
                      triangulate on line beyond here.
              on sec.line, to
Thence I offset from sec.line,
N.57°5 W., 14.00 chs.
Thence N.2h°22 E., 17.21 chs.
15.39
             Thence N. 1.32 chs.

Thence E. 4.65 chs., returning to sec.line at

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,
40.00
                                              1913 on Serim,
                                       $ 526 in W., and $ 25 in E.half; from which, A cottonwood, 8 ins. in diam., brs.S.89°W.,155 lks.dist., marked $ 5 26 B T.
              No other trees within limits. Raise a mound of stone 2 ft. base, la ft. high, west of cor. Pits impratticable. This corner is set at the foot of bluffs, 180 lks.east of
                       Eagle Creek.
              Foot of cliffs brs. NW: and SE., to avoid which I return
41.00
                       on sec.line to
              Thence I offset from sec.line,
40.00
              West, 6.97 chs.
Thence N.0° 1 W., 13,94 chs. to a point on cliffs, 200
                       ft. above Eagle Creek. ce east, 6.97 chs., returning to sec.line at
              Thence I return on sec.line, chaining dist.

S.0°1' E., to get topography, as far as practicable.

Wagon road, brs.E.d.W.Fump house on Eagle Creek, brs.N.71°36'W.

Water pipe lines bear WNW. to pump house, E. to Morenci.

Telephone line, brs.WNW. to pump house, and east to Morenci;
53.94
53.80
52.61
                     discontinue chaining, and return to a point on sec.
              line at.

From this point, I take stadia measurement across head of rocky, broken, box canyon, course NW. Rod reading 6.938 ft. Ratio 1 ft. = 2 chs. Focal constant, 1.025 ft.

Angla of depression = 6°; therefore dist. to rod=
.9891 x 2 x 6.938 plus .016 = 13.74 chs., which added to 53.87 chs. = 67.61 chs. rod point.

Rod point on spur ridge, brs. SW. This point being on south side of box canyon, 400 ft.deep, course SW., over which chaining is impracticable, I measure by stadia, Rod reading, 6.204 ft. Ratio 1 ft. = 2 chs. Focal constant, 1.025 ft. Vertical angle, plus 3°, The dist. to rod point on north side of canyon is therefore
53.87
 67.61
                     dist to rod point on north side of canyon is therefore 6.204 x 2 x .9973 plus .016 = 12.39 chs., which added to 67.61 chs. = 80.00 hchs., rod point and point
                     for sec.cor.
              Set an iron post 3 ft. long, 2 ins. in diam., on bed rock, supported by a mound of stone for cor. of secs. 23,24,
 80.00
                     25 and 26, marked on brass cap,
                                              1913 on S'rim,
T4 S R 28 E in N.half;
                                              S 23 in NW,
S 24 in NE,
                                               S 25in SE:, and
                     S 26 in SW quadrant; and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high,
                      west of cor. Pits impracticable.
               Land, mountainous.
Soil, very rocky, 4th rate.
No timber, except willow and cottonwood along creek.
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Undergrowth, dense catclaw, mesquite and cacti.

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Partial Subdivision of Township 4 South Range 28 East.
Chains.
                 Note; The sky was evercast at noon, making an observa-
                           tion for latitude impossible.
                                                                                                       Dec. 12, 1913.
                 Dec.20, 1913: At 7h. 59m., a.m., l.m.t., I set off 33° 3\frac{1}{2}N. on the latearc; 23°23'S. on the declearc; and determine a meridian with the solar at the cor. of secs.
                        23,24,25 and26, hereinbefore described. As this coris near the west edge of Eagle Creek Canyon, over which I cannot chain, I obtain the measurement of the west end of random line, bet. secs.24 and 25 by stadia measurement from said cor. S.89°51 E. to rod on east
                         side of canyon. Rod reading 7.715 ft. Ratio 1 ft. 2 chs. Focal constant 1.025 ft. Vertical angle plus 12°10'. The dist. to rod is therefore 7.715 x 2 x .9556 plus .016 = 14.76 chs. rod point.
                 Rod point, thence continue random line, S.89°51 E.

Set temp. 2 sec.cor.

Intersect the east bdy. of Tp., 21 lksmorth of the cor.

of secs. 19,24, 25 and 30, established byme as described in Book "A."
14.76
40.00
79.98
                 Thence I run, N.39°42 W., on a true line, bet. secs. 24 and 25.
                  Through scattering timber and dense undergrowth.
                            slightSW. slope, to
                 Gulch, curse NW. Ascend slight NE' slope to
Spur ridge, brs.NW. Descend SW? slope, 75 ft.to
Canyon, 1 ch. wide, course WNW. AscendNE' slope.
Pipe line, (pipe 3 ins. in diam.) brs.NW. and SE.
Spur ridge, brs.N. Descend NW' slope, to
Canyon, curse NE. Ascend SE. slope, to
Spur ridge, brs.SW. and NE. Descend SW' slope.
     .23
   2.00
   7.50
8.36
 10.00
 12.60
                 Spur ridge, brs.SW. and NE. Descend SW. slope. Wagon road, brs.NW and SE. Gulch, course SW. Thence along broken south slope.
 18.00°
 20.75
                 Gulch, course SW.; descend.

Spur ridge, brs. SW.; descends.

Gulch, course SW.; AscendSE. slope eto

Spur ridge brs. S. A stake 2 x 4 ins., 3 ft. above

ground, set in a mound of stone, marked SW cor. 14 M S

on E., NE. Addid MS on S., SE.cor. Strettawa on W.,

SW. cor. Grand Finale MS on N.face.
 $0.00°
 30.50
36.48
                 Descend SW. slope, to
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
the ground, for 4 sec.cor., marked on brass cap,
 39.99
                       1913 on S.rim,

$\frac{1}{4}$ S 24 in N., and
$$ 25 in S.half;
and raise a mound of stone, 2 ft. base, $\frac{1}{2}$ ft. high, N.
                       of cor. Pits impracticable.
                  Descend SW. slope, 100 ft.to
                  Enter canyon, course west.

Leave canyon; ascend SE. slope, 80 ft.to

Rocky spur cliff, brs.N. and S. Thence across broken S.

slope, at intersection of two canyons from NE and SE.,
 41.80
 44.00
 48.20
                         impossible to chain; therefore, measure dist. by stadia Rod reading, 6.548 ft. Ratio 2 ft. 2 chs. Focal constant 1.025 ft. Vertical angle, plus 3° 24'. The distance to rod is therefore, 6.548 x 2 x .9965 plus .016 = 13.07 chs., which added to 48.20 chs. = $1.27 chs.
                          rod point.
                  Rod point. Ascend SE. slope, 65 ft.to
Rocky spur ridge, brs.N.and S. Descend NW. slope, 500
  61.27
65.22
                          ft. into Eagle : Creek Canyon.
 75.00 (Approx.) Eagle Creek, 60 lks. wide, 6 ins. deep, course SW.; ascend. SE slope, 450 ft.
79.98 The cor. of secs. 23,24, 25 and 26.
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Partial Subdivision of frac. Township 4 South Range 28 E'
Chains.
                         e: At this corner, Dec.20, 1913, I set off 23°25'S. on the decl.arc; and at apparent noon, I observe the sun on the meridian; the resulting latis 33° 3½ N.
                 Note:
                 Land, hilly and mountainous.
                 Soil, rocky, 4th rate.
                 Timber scattering cedar.
                 Undergrowth, dense mesquite, catclaw, scrub oak and
                         cacti.
                 To avoid extremely difficult ascent on south end of sec.
                 line, bet. secs. 23 and 24, I offset as follows: From the cor. of secs. 23,24, 25 and 26, I run, East 0.62 chs., thence N.0°1 W., in sec. 24 on offset to
                         line bet. secs.23 and 24.
                 Ascending steep south slope, through dense undergrowth.

Rocky ridge, brs. E. and W. Thence by stadia measurement across Eagle Creek Canyon, 450 ft. deep, course E.

Rod reading 6.032 ft. Ratio 1 ft. 2 chs. Focal constant, 1.025 ft. Vertical angle, plus 4.40. The dist.to rod point is therefore, 6.032 x.2 x.9934 plus .016
   1.89
                         = 12.00 chs., which added to 1.89 chs.= 13.89 chs.
                         rod point.
                 Rod point on rocky spur brs.W. Continue on offset line N.001 W. to a point whence I run, W.0.62 chs., return-
13.89
                         ing to secoline at
                  Thence I run, N.0°1'W. on true hine, bet. secs.23 and 24,
14.90
                         continuing measurement. Descend N. slope, 140 ft.
16.55
                  Trail, brs. E. and W.
                  Canyon, course W. Ascend S. slope, 25 ft.to
A point on SE. side of Eagle Creek Canyon, course SW.,
 20.00
 23.28
                         across which I take stadia measurement from this
                         point, rod reading, 7.670 ft.; ratio 1 ft. 2 chs. Focal constant, 1.025 ft. Angle of depression, - 9°. Therefore, the dist. to rod is, 7.670 x 2 x .9755 plus .016 = 14.98 chs., which added to 23.28 chs. 38.26 chs.
                 Rod point on rocky spur ridge, brs.E. on W side of Eagle

Creek Canyon in curve of same, from SE. to SW.

Set a flag at this station, and triangulate as follows:

From a point on sec.line in bottom of Eagle Creek Canyon,

I lay off a base line, S.55° 28' E., 3.12 chs. to a

point from which the flag brs. S.66° 14'W. The dist.

on sec.line from flag to point in bottom of canyon

is therefore, sin.58° 18' x 3.12 = 2.90 chs., which

sin.66°14'

added to 38.26 chs. - 41.16 chs.
                         rod point.
 38.26
                       added to 38.26 chs. = 41.16 chs.
oint for triangulation. Thence f return, S.0°1'E? on
                  Point for triangulation.
 41.16
                       sec.line, chaining dist. as far as practicable, for topography, and for location of witness cor. to \frac{1}{4} sec.
                       cor.
                  South edge of water in Eagle Creek, 1 ch.wide, 4 ins.deep, course SE.125 ft. below 38.26 ch. station. Point for
 40.00
                  ½ sec.cor. impracticable to setpost.

Foot of bluff, 30 ft.high. Set an iron post, 3 ft.long,
l in. in diam., 26 ins. in the ground for witness cor.
 39.76
                  l in. in diam., 26 ins. in the ground for witness cor. to $\frac{1}{4}$ sec.cor., marked on brass cap,

1913 on S.rim,

W C $\frac{1}{4}$ in N.half;

S 24 in SE., and

S 23 in SW quadrant; from which,

A cottonwood, 12 ins. in diam., brs.N.43\frac{1}{4}\cdot E.,

251 lks.dist., marked W C $\frac{1}{4}$ S 24 B T.

A cottonwood, 10 ins. in diam., brs.N.27\cdot W.,

30 lks.dst., marked W C $\frac{1}{4}$ S 23 B T.

Impossible to chain measurement any further S.0\circ 1 \lambda E.;

therefore, I return to point for triangulation, on sec.dine at 41.16 ch. point on N.edge of Eagle Creek and lay off another base line for triangulation, N.88\circ
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and lay off another base line for triangulation, N.88° 20 W., 6.20chs. to a point from which a flag on sec.

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Partial Subdivision of frac. Township 4 5° R. 28 E.
               Chains.
                                             line on north side of canyon, brs.N.43° 39' E.; there-
                                             fore, the dist. on sec. line is,

\frac{\sin 48^{\circ} 01 \times 6.20}{\sin 43^{\circ} 40^{\circ}} = 6.67 chs. which
                                 added to 41.16 chs. = 47.83 chs. flag point.

Flag point on cliff, brs. NW and SE. 300 ft. above Eagle Creek. As this point is also near the SE edge of a deep box canyon, course SW., over which I cannot chain, I set rod ahead on sec.line on top of spur, and measure dist. across this canyon by stadia. Rod reading 8.120 ft. Ratio I ft. = 2 chs. Focal constant, 1.025 ft. Vertical angle plus 7°. The dist. to rod is therefore, 8.120 x 2 x .9851 plus .016 = 16.01 chs., which added to 47.83 chs. = 63.84 chs., rod point.

Rod point on top of a rocky spur sloping SE. Line from this point passes ofer a very rough and broken rocky east slope, impossible to chain dist.; therefore, set rod ahead on sec.line, on top of spur ridge, and
               47.83
Sec.23 Sec.24
               63.84
                                           rod ahead on sec.line, on top of spur ridge, and measure dist. by stadia. Rod reading 4.7105 ft.Ratio 1 ft.= 2 chs. Focal constant, 1.025 ft. Vertical angle plus 19°. The dist. to rodnist therefore, 4.7105 x 2 x .8940 plus, *016 = 8.44 chs., which added to .63.84 chs.
                                 .8940 plus, *016 = 8.44 chs., which added to 63.84 chs.
= 72.28 chs. rod point.

Rod point on top of rocky spur ridge, sloping SE. Line from this point passes over head of deep rocky canyon, course SE.; impossible to chain across; therefore, set rod ahead on sec.line, and measure dist. by stadia. Rod reading, 5.129 ft. Ratio, 1 ft.= 2 chs. Focal constant, 1.025 ft. Vertical angle plus 11°40'. The dist. to rod is therefore, 5.129 x 2 x .9591=plus .016 =9.85 chs., which added to 72.28 chs. = 82.13 chs.rod point.

Rod point, from which I return on sec.line, S.0° 1'E.,2713 chs. to
              82.13
                                            chs. to
                                  Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs, 13, 14, 23 and 24, marked
              80.00
                                         on_brass cap,
                                                                                1913 on S rim,
                                                                                T 4 S R 28 E in N.half;
                                                                                S 14 in NW.,
                                            S 13 in NE',
S 24 in SE., and
S 23 in SW. quadrant; and raise a mound
of stone, 2 ft.base, 1 ft. high, west of cor. Pits
                                            impracticable.
                                  Land, mountainous.
Soil, very rocky, 4th rae.
                                   No timber.
                                  Undergrowth, dense scrub oak, mesquite, catclaw and cacti. Mountainous land, 80 chs.
                                                                                                                                      Dec. 20, 1913.
                                  Dec. 22, 1913: At 8h. 7m. a.m., lm.t., I set off 33°4½'
N. on the latearc; 23°23½'S. on the declearc; and
determine a meridian with the solar at the core of secs.
                                               13,14,23 and 24, hereinbefore described.
                                 S'89°42'E, on a random line, bet. secs.13 and 24.
Set temp. 2 sec.cor.
             40.00
                                  Intersect eastbdy. of Tp., 19 lks. S. of the cor. of secs. 13,
             79.92
                                           18,19 and 24, established by me, as described in Book
                                  Thence I run,
                                Thence I run,
N.89°50'W., on a true line, bet. secs.13 and 24.

Descend slightNW. slope, through dense undergrowth.
Canyon, course SW. Ascend SE. slope, 120 ft.to
Spur ridge, brs.S. Descend SW. slope, 45 ft.to
Gulch, course S. Ascend SE. slope, 35 ft.to
Spur ridge brs.SW. Descend NW. slope, 60 ft.to
                5.15
             10.00
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FOOK 2778

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Partial S bdivision of Trac Township 4 5°, R. 28 East.
Chains.
              Canyon, course SW. Ascend SE. slope, 50 ft.to
Ridge, brs. NE and SW. Descend W slope, 275 ft.to
Head of gulch, course west. Descend NW slope, to
Canyon, course SW. Wagon road in wanyon, and 2in.pipe
 16.80
20.60
23.50
35.00
               line, brs. NE and SW. Ascend SE. slope, 350 ft. to Spurridge, brs. SE.; descend.
36,60
37.75
39.96
               Gulch, course SE.; ascend.
               Spur ridge, brs.SE. Set an iron post 3 ft.long, 1 indiam., 26 ins. in the ground, for \( \frac{1}{4} \) sec.cor., marked
                     diam., __
on brass cap,
1913 on Serim,
                                              \frac{1}{4} S 13 in N., and
                                              S 24 in S.half;
                     and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, N.
                     of cor. Pits impracticable.
              Ridge, brs. N. and S. Descend SW. slope, &5 ft. to Gulch, course S. Thence along south slope. Gulch, course S. Ascend SE slope, 40 ft. to
 51.80
59.00
70.00
              Spur ridge, brs.S. Descend SW slope, 60 ftto
The cor.of secs. 13,14, 23 and 24.
Note: At this cor., Dec.22, 1913, I set off 23°25½'S.on
the decl.arc; and at apparent noon, I observe the sun
on the meridian; the resulting lat.is 33°4½'N.
73.00
79.92
              Land, hilly and mountainous.
              Soil, very rocky, 4th rab.
               Timber, none.
              Undergrowth, dense mesquite, catclaw, scrub oak and catclaw. Mountainous land, 60 chs.
                                                                                                   Dec.22,1913
              Dec.29, 1913: At 8h. 15m. a.m., l.m.t., I set off 33°4½'Non the later; 23°11½'S. on the decl.arc; and determine a meridian with the solar at the cor. of secs.13,
              14,23 and 24, hereinbefore described.

Thence I run,

N.0°1'W., bet. secs.13 and 14.

Through scattering timber and undergrowth. Ascend S.
                       slope, 60 ft.to
3.00
14.00
              Ridge, brs. E'and W. Descend NW. slope, 165 ft.to
             Canyon, course W. Ascend broken S. slope, 565 ft.to
Ridge, brs.E. and W. Descend NW. slope, 200 ft.to
Canyon, course west. Ascend SW. slope, 500 ft.
Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
the ground, for 4 sec.cor., marked on brass cap,
29.50
36.00
40.00
                    1913 on S. rim,

$\frac{1}{4}$ S 14 in W., and
$\frac{1}{5}$ in E-half;

and raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft. high, W.
                    of cor. Pits impracticable.
             Continue to ascend steep SW. slope to Rock ledge, brs.NW and SE.; ascend.
Ridge, brs. NW and SE. Descend NE. slope, 75 ft.to
48.50
70.00
             Gulch, course NW. Ascend SW slope, 25 ft.to
Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 11, 12, 13 and 14, marked
 8.00
80.00
                      the ground,
on brass cap,
1913 on Sorim,
T 4 S R 28 E in Nohalf;
                                             S 12 in NE',
                    S 13 in SE., and
S 14 in SW. quadrant; and raise a mound
of stone, 2 ft.base, 1 the high west of core Fits
                    impracicable.
              Note: At this cor., Dec.29, 1913, I set off 23°13'S.on the decl.arc; and at apparent noon, I observe the sun on the meridian; the resulting late is 33°5 N.
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Land, mountainous and hilly.

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· Partial Subdivision of frac. Township 4 S .R. 28 E.
Chains.
             Soil, rocky, 4th rate.
             Timber, scatering cedar and pine.
             Undergrowth, scattering mesquite, catclaw, scrub oak and
                   cacti.
             Mountainous land, 70 chs.
                                                                       Dec. 29 1913.
             Dec. 11, 1913: At 8h. 55m., a.m., l.m.t., I set off 33°
2'N. on the lat.arc; 22°57' S. on the decl.arc; and
determine a meridian with the solar at the cor. of secs.
2,3,34 and 35, on the south bdy. of the Tp., established
by me, as described in Book "A."
             Thence I run, N.0°1 W., bet. secs. 34 and 35.
             Through scattering timber and dense undergrowth. Ascend south slope, 450 ft.to
Ridge, brs.E. and W. Along slight E. slope to
12.00
             Descend N. slope, 700 ft. Descend NE slope.
26.00
36.00
             Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for \( \frac{1}{4} \) sec.cor., marked on brass cap, 1913 on S.rim, \( \frac{1}{4} \) S 34 in W., and S 35 in E.half; and raise a mound of stone 2 ft. base, 1\( \frac{1}{2} \) ft. high
40.00
                   west of cor. Pits impractcable.
            Gulch, course NW. Ascend SW. slope, to
Spur ridge, brs.NW. Descend N. slope, to
End of descent; canyon, 150 lks. wide, course E.
Ascend SE. slope, 90 ft.to
Wire fence on top of ridge, brs.E. and W.
Ralph Casron's cabin brs.N.60°W., about 18 chs. dist.
Alonzo Chaves cabin brs.N.85°E., 7 chs.dist.
Descend NE. slope, 100 ft.to
48.00
56.00
59.50
65.40
             Descend NE- slope, 100 ftto
             Small irrigation ditch, course E.
68.70
             Small stream of water, course E.; ascend. Spur ridge, brs.SE.; descend.
71.10
72.00
             Gulch, course SE. Ascend SW. slope, 125 ft. Wire fence brs. NW. and SE.
73.00
77.50
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 on S.rim,
T 4 S R 28 E in N.half;
S 27 in NW.,
                                          S 26 in NE.
                                          S 35 in SE., and
S 34 in SW quadrant;
                   and raise a mound of stone, 2 ft. base, 12 ft. high, W.
                   of cor. Pits impracticable.
             Land, mountainous and hilly. Soil, very rocky, 4th rate.
             Timber, scattering cedar, cottonwood and ash. Undergrowth, dense catclaw, mesquit and cacti.
             Mountainous land, 52 chs. .
```

40.00 79.74 East, on a random line, bet. secs.26 and 35.

Set temp. ½ sec.cor.

Intersect N. and S. line, 2 lks.north of the cor.of secs.

25,26,35 and 36, hereinbefore described.

Thence I run,

N.89°59 W., on a true line, bet. secs. 26 and 35.

N.89°59'W., on a true line, bet. secs. 26 and 35.

Along broken south slope at foot of cliffs, bearing E. and
W.; through dense undergrowth.

95

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Partial Subdivision of frac. Township 4 South Range 28 East.
Chains
            Descend brokwn SW. slope,120 ft.to Gulch, course S. Ascend SE. slope,110 ft.to
  5.00
13.00
28.00
           Spur ridge, brs. S. Descend SW. slope,75 ft. Canyon, course SE. Hot Springs brs. NW., 3 chs.dist. Ascend NE. slope, 400 ft. Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
31.50
39.87
                  the ground for \( \frac{1}{2} \) sec.cor., marked on brass cap,
                                     1913 on S.rim, 
4 S 26 in N., and
                                     S 35 in Schalf;
                 and raise a mound of stone 2 ft. base, 1\frac{1}{2} ft. high, N.
                 of cor. Pits impracticable.
52.55
62.10
            Ascend SE slope, to
            Top of ascent; spur ridge, brs. SE. 200 ft.to
                                                                        Descend SW slope,
           Gulch, course SE. Ascend SE. slope, 110 ftto
Spur ridge, brs. S. Descend SW. slope, 45 ft. to
The cor. of secs. 26,27, 34 and 35.
72.00
77.50
79.74
            Note: At this cor. Dec.11, 1913, I set off 22°59'S. on the declearc; and at apparent noon, I observe the sun on the meridian; the resulting late is 33° 2½'N.
            Land, mountainous and hilly.
            Soil, rocky, 4th rate.
            No timber.
            Undergrowth, dense mesquite, catclaw, greasewood and
                cacti.
           Mountainous land, 64 chs.
                                                                            Dec.11,1913.
           Dec. 18. 1913; At 8h. 58m. a.m., l.m.t., I set off 33°2½'N. on the lat.arc; 23°21½'S. on the decl.arc; and determine a meridian with the solar at the cor. of secs. 26,
           27, 34 and 35, hereinbefore described. Thence I run, N.0°1 W., bet. secs.26 and 27.
            Through dense undergrowth. Ascend S. slope, 140 ft.to
  5.00
           Ridge, brs. NW. and SE. Descend NE' slope, 40 ft.to
           Rocky spur ridge, brs.E.; descend. Gulch, course SE. Ascend broken rocky south slope, 425 ft.
  6.20
12.60
23.20
           Ridge, brs.NW. and SE. Descend NE. slope, 325 ft.to
33.00
35.50
38.25
            Gulch, course NE.; ascend.
           Spur ridge, brs.E. Continue to descend NE. slope, to
            Gulch, course SE.
           Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for \( \frac{1}{2} \) sec.cor., marked on brass cap,
40.00
                1913 on S.rim,
$\frac{1}{2}$ S 27 in W., and
$ 26 in E.half;
and raise a mound of stone 2 ft.base, $\frac{1}{2}$ ft. high, west
                of cor. Pits impracticable.
           Gulch, course SE. Ascend rocky broken SE. slope, 110 ft.to Ridge, brs. E. and W. Descend NW. slope, 425 ft.to Gulch, course NE. Descend NE. slope, 2to Gulch, course N. Thence along east bank of gulch. Leave gulch, course NE. Thence along east slope. 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 on brase cap.
40.50
49.35
53.40
72.00
75.00
80.00
                brass cap,
                                    1913 on S.rim,
                                    T 4 S R 28 E in N.half;
                                    s 22 in NW.,
                                    S 23 in NE.,
S 26 in SE., and
                                    S 27 in SW.quadrant;
                and raise a mound of stone 2 ft. base, 1\frac{1}{2} ft. high, west
                of cor. Pits impracticable.
          At this cor. Dec. 18, 1913, I set off 23° 22½ S. on the
Note:
                declarc; and at apparent noon, I observe the sun on
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Partial Subdivision of frac. Township 4 South Range 28 E.
Chains.
            the meridian; the resulting late is 33° 3 No. 1 Land, hilly and mountainous.
            Soil, very rocky, 4th rate.
            No timber.
            Undergrowth, dense mesquite, catclaw, scrub oak and cacti. Mountainous land, 62 chs.
                                                               Dec. 18, 1913.
            Dec. 19, 1913: At 8h. 3m. a.m., l.m.t., I set off 23°22'
S. on the declearc; 33°3½'N. on the later; and determine a meridian with the solar at the cor. of secs. 22,
            23, 26 and 27, hereinbefore described. Thence I run,
            S.89°59'E., on a random line, bet. secs. 23 and 26. Set temp. 2 sec. cor.
40.00
            Intersect N. and S line, 23 lks. south of the cor. of secs.
79.76
            23, 24, 25 and 26, hereinbefore described. Thence I run,
            S. 89°51 W., on a true line, bet. secs. 23 and 26. Descend SW. slope, through dense undergrowth.
            Impassible pracipices, bearing east and west render chain-
                 ing beyond this point impossible; therefore, I take stadia measurement. Rod reading, 4.654 ft. Ratio, l ft. 2 chs. Focal constant, 1.025 ft. Angle of degression - 8° 54°. The dist. on sec. line to rod is therefore 4.654 x 2 x .9761 plus .016 = 9.10 chs., which added to 4.56 chs. =-
            Rod point. Themce along broken south slope.
Pump house brs.S.24°W. on west side of Eagle Creek.
13.66
18.57
            Row of houses brs. S. 9°W. about 18 chs. distaon east side
                 of Eagle Creek.
            Thence take stadia measurement across rocky broken box
                 canyon, across which I cannot chain. Rod reading, 2.493 ft.Ratio,1 ft.= 2 chs. Focal constant, 1.025 ft.
                 Level. The distance on sec.line to rod is therefore
                 2.493 x 2 plus .016 = 5.00 chs., which added to 18.57
                 chs. =
23.57 Stadia rod point. Descend west slope, 45 ft.to 25.00 Gulch, course S. Thence along south slope. 26.00 Gulch, course SE. Ascend E. slope, to 28.75 Spur ridge, brase. Thence along south slope.
28.75
33.25
34.75
38.75
39.88
           End of ascent; descend slight SW. slope, to Gulch, course SE. Ascend east slope, 110 ft.to Ridge, brs.N.and S. Descend W. slope, 125 ft. 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, 1913 on S'rim, $\frac{1}{4}$ S 23 in N., and $\frac{1}{2}$ Set an arrange of stone 2 ft. been $1\frac{1}{4}$ ft. bigh $1\frac{1}{4}$ ft.
                 and raise a mound of stone, 2 ft. base, 12 ft. high, N. of
                 cor. Pits impracticable.
45.45
            Gulch, course N. Ascend broken NE' slope,110 ft.to
45.75
            Spur ridge, brs. N. Pump station trail, brs. N. and SE.
            Descend.
            Gulch, course NE :; ascend.
47.75
51.25
            Ridge, braNW.; descend.
53•75
56•25
            Gulch, course NE.; ascend.
Ridge, brs.NE.; descend.
58.30
60.30
            Gulch, course NE.; ascend.
            Ridge, braNE. Descend NW. slope, 40 ft.
            Bonita Creek trail, branwand SE.
 68.00
            Bonita Creek thail, brs. NE and SW.
69.00
71.55
71.90
            Gulch, course NE. Ascend NE. slope, 40 ft. Bonita Creek Brail, brs. NW. and SE.
            Spur ridge, brs. N. Descend NW.slope, 60 ft.to
76.00
79-25
            Gulch, course NE.; ascend. The cor. of secs. 22,23,26 and 27.
79.76
            Land, mountainous, rolling & hilly. Soil, very rocky, 4th rate.
            No timber. Undergrowth, dense mesquite, catclaw, scrub oak& cacti.
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Mountainous land 70 chs. Note: The sky wash recast at noon; making an observation for

97

Engl. 2773

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Partial Subdivision of frac. Township 4 South Range 28 East.
Chains.
           Dec.18,1913:
N.0°1'W., bet. secs.22 and 23.
           Through scattering timber and undergrowth. Ascend south
               slope, 15 ft.to
 1.00 Spur ridge, brs.E. Descend N. slope, 100 ft. 2.95 Bonita Creek Trail, brs.E. and W. Canyon, 50 lks.wide, course SE. Ascend broke
                                                           Ascend broken SW. slope,
               150 ft.
16.00
           Head of draw, course SW.
                                                   Ascend S. slope to
           Ridge, brs. E. and W.
18.00
                                            Descend N. slope, along draw,150
               ft.to
27.50
           Gulch, course NE. Ascend SE. slope, to
           Spur ridge, brs.NE. Descend NW. slope, to
30.00
           Gulch, course E. Ascend SE. slope, 50 ft.to
33.00
35.20
           Ridge, brs.E. and W. Descend N. slope, 100 ft.
          Set an iron post, 3 ft.long, 1 in. in diam., on bedrock, supported by a mound of stone, for \frac{1}{4} sec.cor., marked
40.00
               on brass cap,
                                 1913 on S.rim

$ $ 22 in W., and
               S 23 in E.half; and raise a mound of stone 2 ft. base, 1\frac{1}{2} ft. high, west
                of cor. Pits impracticable.
          Foot of bluff, brs.NW. and SE. South bank of Eagle Creek, 25 lks.wide, 2 ft. deep, course
40.30
               SE.
43.40 Trail in Creek bottom, brs. NW. and SE. 45.15 Foot of cliffs, brs. NW. and SE. Ascer
                                                            Ascend SW. slope, 350
              ft.to
49.10
          Top of cliffs bears NW. and SE.
                                                           Ascend slight south
               slope.
56.00 -
          Ascend SE slope.
71.00
76.00
          Draw, course SE. Ascend SE. slope, to
          Ridge, brs.NE and SW. Thence along west slope.
          Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in
80.00
                the ground,
on brass cap,
1913 on S.rim,
                the ground, for cor. of secs. 14,15,22 and 23, marked
                                 T 4 S R 28 E in N.half;
                                 S 15 in NW.,
                                 S 14 in NE.,
                                 S 23 in SE., and
S 22 in SW quadrant;
              and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, w.
           of corner. Pits impracticable.
          Land, mountainous and hilly.
          Soil, rocky, 4th rate.
          Timber, scattering cedar.
          Undergrowth, scattering mesquite, catclaw and cacti.
          Mountainous land, 50 chs.
                                                              Dec.18,1913.
          Dec. 27, 1913. At 8h. 8m. a.m., l.m.t., I set off 33° 4\frac{1}{2} N. on the lat.arc; 23°17\frac{1}{2} S. on the decl.arc; and determine a meridian with the solar at the corof secs. 14, 15, 22 and 23, hereinbefore described.
          Thence I run.

N.89°51 E. on a random line, bet. secs.14 and 23.

Point for triangulation on west side of deep V-shaped canyon, course E., impossible to chain across. From this point, I set off a base line, N.0°9 W., 6.07 chs.

The N. end of which a flag on line on easy side
 5•97
          from the N. end of which a flag on line on east side of canyon, brs.S.5640 E. Therefore, the dist.across canyon, on random line = tan. 56°31 x 6.07 = 9.18 ths., which added to 5.97 chs.= 15.15 chs.

Flag point on east side of canyon.
15.15
          Instrument point (on west side of deep V-shaped canyon,) with the state of deep V-shaped canyon,)
                course SE. for stadia measurement. Set rod on line 3 Sec. 23
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Partial Subdivision of frac. Township 4 South, Range 28 E.
Chains
              on ridge, on eastside of canyon. Rod reading, 4.541 ft. Ratio, 1 ft.=-2 chs. Focal constant, 1.025 ft.

Angle of depression - 5°20'. The dist. to rod is therefore, 4.541 x 2 x .9914 plus .016 = 9.02 chs. which added to 27 chs. = 36.02 chs. rod point.

Rod point on top of spur ridge, brs.S. The line east of this point passes ofer fork of box canyons 200 ft.deep, from NW and SE. course Se. over which chaining is
36.02
                      from NW and SE., course S., over which chaining is impossible. I rund N. 89°51 E. from this point, a dist.
                       of 0.63 chs., and at
               (The nearest accessible point to point for temp. \(\frac{1}{4}\) sec.cor.)

Set temp. witness cor. to \(\frac{1}{4}\) sec.cor. I set rod on line on east side of canyon, and from 36.02 chs. station, take stadia measurement across canyon. Rod reading,
36.65
                      4.681 ft. Ratio, 1 ft. 2 chs. Focal constant, 1.025 ft. Angle of depression - 2°. The dist. on random. line to rod is therefore 4.681 x 2 x .9988 plus .016 = 9.37 hhs., which added to 36.02 chs. 45.39 chs. rod
                      point.
               Rod point on east side of canyon.

Intersect N. and S. line, 9 lks.north of the cor. of secs.

13, 14, 23 and 24, hereinbefore described.

Thence I run,

S. 89°55 W., on a true line, bet. secs. 14 and 23.
45.39
80.10
                Through scattering timber and dense undergrowth.
                                                                                                                                  Ascend
                slight SE. slope, to
Ridge, brs.N.and S. Descend SW. slope, 50 ft.to
  2.60
               Head of gulch, course SW. Thence along south slope. Ridge, brs. NE. and SW. Descend NW. slope, 225 ft.
   6.00
10.00
21.00
                Descend W. slope.
               Canyon, course SW. Ascend SE' slope, 115 ft. East, bank of deep canyon, course S. Point for 4 sec.cor. falls in canyon at inaccessible posi-
26.00
34.71
40.05
                West bank of junction of two canyons, 200 ft. deep, from
43.45
                NW. and NE., course S. As this is the nearest practical point for witness cor., I

Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground atthis point, for witness cor. to \(\frac{1}{4}\) sec.cor.,
                       marked on brass cap,
                                                  1913 on S.rim,
W C \( \frac{1}{4} \) in E.half;
S 14 in NW., and
S 23 in SW. quadrant;
                       and raise a mound of stone, 2 ft. base, 12 ft. high,
                       north of corner. Pits impracticable.
               Top of spur ridge, brs.SE. canyon, course SE.
44.08
                                                                                 Thence across deep V-shaped
                West edge of canyon. Ascend eastslop
Spur ridge, brs.SE. Continue ascent.
53.10
56.00
                                                                 Ascend eastslope, 120 ft.to
                Head of gulch, course SE.; ascend.
 62.60
                Spur ridge, brs.S. Thence across deep rocky V-shaped
 64.95
                canyon, course S. West bank of canyon.
                                                                Ascend east slope, 285 ft.
74.13
                Trail, brs.NE. and SW.

Trail, brs.NW. and SE.

The cor.of secs.14,15, 22 and 23.

Note: At this corner Dec.27, 1913, I set off 23°19'S.

on the decl.arc; and at apparent noon, I observe the sun on the meridian; the resulting lat.is 33°4½'N.
75.30
77.35
80.10
                Land, mountainous and hilly.
Soil, rocky, 4th rate.
Timber, very scattering cedar and pine.
Undergrowth, rocky, 4th rate.
Mountainous land, 60.00 chs.
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Partial Subdivision of frac. Township 4 South Range 28 East.
Chains.
            N.0°1 W., bet. secs.14 and 15.
            Through scattering timber and undergrowth. Ascend SE. slope,
                    85 ft.
•57
5•50
12•75
15•80
            Trail, brs. NE and SW.
            Ridge, brs.NE and SW.
                                                      Descend NW. slope, 50 ft. to
            Gulch, course W.
                                             Ascend south slope, 30 ft.
            Thence along west slope.
26.00
            Descend NW. slope, 75 ft.to
Gulch, course SW. Ascend S. slope, 120 ft.to
26.00
            Ridge, brs. NE. and SW. Descend NW. slope, 65 ft.

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

1913 on S.rim,
$\frac{1}{2}$ S 15 in W., and
34.00
40.00
                                  S 14 in E.half; from which,
A cedar, 5 ins. in dia m., brs.S.78 E.,146
lks.dist., marked & S 14 B T.
A pine, 14 ins. in diam., brs.S.542W.,274 lks.dist, marked ½ S 15 B T.
41.00 Top of bluff, brs.NE and SW. From this point, line
           passes over Horseshoe Gulch, 250 ft.deep, course SW. It being impossible to chain across, I obtain measurement by stadia. Red reading, 6.565 ft. Ratio, 1 ft. 2 chs. Focal constant, 1.025 ft. Level. Dist.to rod is therefore, 6.565 x 2 plus .016 = 13.15 chs., which added to 41.00 chs. = 54.15 chs. rod point.

Rod point on north bank of gulch. Ascend SE. slope, 300 ft.
54.15
            Spur ridge, brs.SE. Thence along east slope.
56.00
            Head of gulch, course SE. Ascend S. slope.
62.00
            Trail, brs. E and W.
            Ridge, brs. NE° and SW. Descend NW. slope, 100 ft.to Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 10, 11, 14 and 15,
76.25
80000
                   marked on brass cap,
                                       1913 on S.rim,
T 4 S R 28 E in N.half;
                                       S 10 in NW.,
                                       S 11 in NE.,
                   S 14 in SE., and
S 15 in SW. quadrant;
and raise a mound of stone 2 ft.base, 12 ft. high,
                   west of corner.
                                                  Pits impracticable.
            Land, mountainous and hilly.
            Soil, rocky, 4th rate.
             Timber, scattering pinon and cedar.
            Undergrowth, scattering mesquite, catclaw and scrub oak.
            Mountainous land, 50 chs.
            N.89°55 E., on a random line, bet. secs.ll and 14.

Set temp. sec.cor.

Intersect N. and S. line, 16 lks.north of the cor. of secs.

11,12,13 and 14, hereinbefore described.
40.00
79.88
            Thence I run, N. 89958 W., o
                                 on a true line, bet secs.ll and 14.
            Through scattering timber and dense undergrowth.

Descend SW. slope, 145 ft.to

Draw, course SW. Ascend SE. slope, 60 ft,

Spur ridge, brs. SW. Descend NE slope, 550 ft.to
  8.00
13.40
            Horsehoe Gulch, 2 chs.wide, course SW.
                                                                                    Ascend SE.slope,
32.25
                    100 ftto
            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, 1913 on S.rim,
39.94
                  \frac{1}{4} S 11 in N., and S 14 in S.half; and raise a mound of stone, 2 ft.base, 1\frac{1}{2} ft. high, N.
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of cor. Pits impracticable.

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14. Partial Subdivision of frac. Township 4 S., R. 28 East.
Chains
             Augustine Topez' house brs.S.39°E., about 7 chs.dist. Descend SW. slope, 35 ft. to Gulch, course S. Ascend SE' slope, 15 ft.to
41.30
             Spur ridge, brs.S. Descend SW. slope, 100 ft.to Gulch, course S. Ascend SE. slope, 125 ft.to Spur ridge, brs. SW. Descend SW. slope, 100 ft.to
43.90
50.15
55.90
60.60
             Gulch, course SW. Ascend broken SE. slope, 200 ft.to.
Ridge, brs.NE and SW. Descend NW. slope, 105 ft.to.
The cor. of secs.10,11,14 and 15.
Land, mountainous and hilly.
72.90
79.88
             Soil, rocky, 4th rate.
Timber, scattering cedar and oak.
Undergrowth, dense mesquite, scrub oak, catclaw and cacti.
Mountainous land, 70 chs.
              N.0°1 W., bet. secs.10 and 11.
              Through scattering timber and dense undergrowth. Descend
              NW' slope, 130 ft.to
Gulch, course W. Ascend SW. slope, 70 ft.to
5.50
10.00
             Spur ridge, brs. W. Descend NW: slope, 115 ft.to
Gulch, course W. Ascend SW. slope, 200 ft.to
Ridge, brs. NE and SW. Descend NW: slope, 300 ft.to
15.25
22.50
             Gulch, course SW. Ascend S. slope, 125 ft.to
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
the ground, for 4 sec.cor., marked on brass cap,
35.00
40.00
              1913 on S.rim,

$\frac{1}{2}$ S 10 in W., and

$\frac{1}{2}$ It. high, W. of
             corner. Pits impracticable.
Ascend SE. slope, 245 ft.to
Ridge, brs.E. and W. Descend
Trail, brs. E. and W.
54.50
59.75
                                                        Descend NW. slope, 170 ft.
             Gulch, course NW. Ascend SW. slope, 30 ft.to
Spur ridge, brs.W. Descend NW slope, 95 ft.to
Gulch, course SW. Ascend SE slope, 160 ft.to
Set an iron post, 3 ftlong, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 2, 3, 10 and 11, marked
 63.00
 68.00
 72.00
 80.00
                    the ground,
on brass cap,
1913 on S.rim,
T 4 S R 28 E in N.half;
                                           S 3 in NW.,
S 2 in NE.,
S 11 in SE., and
S 10 in SW. quadrant;
                    and raise a mound of stone 2 ft.base, 12 ft. high, west
                    of corner. Pits impracticable.
              Land, mountainous.
Soil, very rocky, 4th rate.
              Timber, scattering cedar.
              Undergrowth, dense mesquite, catclaw, scrub oak and cacti. Mountainous land, 80 chs.
                                                                               Dec.27, 1913.
```

Jan.5, 1914: At 8h. 3m. a.m., l.m.t., I set off 33°6'

N. on the lat.arc; 22°36½'S. on the decl.arc; and
determine a meridian with the solar at the cor.of secs. 2,3,10 and 11, hereinbefore described. Thence I run,
N.0°1 W., on a random line, bet. secs. 2 and 3.
Set temp. 4 sec. cor.

40.00

79.93

Intersect N.bdy. of Tp., 23 lks. east of the cor. of secs. 2,3,34 and 35, established by me, as described in Book "A."

```
Chains.
             Thence I run, S.0011 E., on a true line, bet. secs.2 and 3.
             Through scattering timber and dense undergrowth. Descend
                   SE. slope, 215 ft.to
             Gulch, course SW. As Trail, brs. E and W.
15.00
                                                 Ascend NW. slope, 60 ft.
19.55
19.95
23.95
32.45
             Ridge, brs.E. and W. Descend SE. slope, 90 ft.to Gulch, course SW. Ascend NW. slope, 135 ft.to
             Gulch, course SW.
             Ridge, brs. NE and SW. Descend S. slope, 155 ft.to
37 • 95
39 • 93
             Canyon, course W. Ascend N. slope, 50 ft. 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,
                   1913 on S.rim,

$\frac{1}{4}$ S 3 in W., and
$S 2 in E.half;

and raise a mound of stone, 2 ft. base, $\frac{1}{2}$ ft. high, west
                   of corner. Pits impracticable.
            Spur ridge, brs.SW. Descend S. slope, 320 ft.to Canyon, course NW. Ascend NE. slope, 260 ft.to Ridge, brs.NE and SW. Descend SE. slope, 30 ft.to The cor.of secs.2,3,10 and 11.
49.70
76.95
79.93
             Land, mountainous and hilly. Soil, very rocky, 4th rate.
             Timber, scattering cedar.
             Undergrowth, dense mesquite, catclaw, scrub oak and caction Mountainous land, 80 chso
                                                                                 Jan. 5, 1914.
            Dec. 13, 1913. At the cor. of secs. 3,4,33 and 34, on the south bdy. of he Tp. established by me, as described in Book "A," I set off 23°8'S. on the decl. arc; and at apparent noon, I observe the sun on the meridian; the resulting lat. is 33° 2'N.
            Thence I run,
N.0°2'W., bet. secs. 33 and 34.
Through scattering timber and dense undergrowth. Ascend
            SE. slope, 20 ft.to
Ridge, brs.NW and SE. Descend NE. slope, 350 ft.to
3.00
16.00
             canyon, course NE.; ascend.
16.50
17.00
29.10
             Spur ridge, brs.SE.; descend.
            Gulch, course SE. Ascend SE. slope, 300 ft.to Ridge, brs.E. and W. Descend N. slope, 300 ft. Set an iron post 3 ft.lbng, 1 in. in diam., 26 ins. in the ground, for ½ sec.cor., marked on brass cap,
40.00
                                         1913 on S. rim,
                  and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, west of cor. Pits impracticable.
            Canyon, course east. Ascend S. slope, 240 ft.to Ridge and trail, bear east and west.
41.00
49.50
             Descend N. slope, 230 ft. to
            Canyon, course NE. Ascend broken SE' slope, 525 ft.to Ridge, brs. E. and W. Descend N. slope, 200 ft.to 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
55•75
72•00
80.00
                    on brass cap,
                                         1913 on S.rim,
T 4 S R 28 E in N.half;
                                         s 28 in NW.,
                                         S 27 in NE°,
S 34 in SE., and
S 33 in SW. quadrant;
```

and raise a mound of stone, 2 ft. base, la ft. high, Pits impracticable.

west of cor.

```
Partial Subdivision of fram. Township 4 South Range 28
Chains
             Land, hilly and mountainous.
             Soil, very rocky, 4th rate.
Timber, scattering cedar and pinon.
             Undergrowth, dense scrub oak, mesquite, catclaw and cacti. Mountainous land 74 chs.
             East, on a random line, bet. secs.27 and 34.
40.00
             Set temp. 4 sec.cor.
             Intersect the N. and S. line, 7 lks. S. of the cor. of secs. 26.27, 34 and 35, hereinbefore described.

Thence I run,
80.21
              S.89° 57 W., on a true line, bet. secs. 27 and 34.
              Through scattering timber and dense undergrowth. Descend
              SW. slope, 10 ft.to
Gulch, course SE. Ascend E. slope, 60 ft.to
0.55
2.95
4.70
10.65
             Spur ridge, brs.SE. Descend SW. slope, 40 ft.to Gulch, course SE. Ascend E. slope, 110 ft.to Spur ridge, brs.S. Descend SW. slope, 50 ft.to
14.60
              Ditch, course SE.
14.70
18.20
              Wire fence, brs. NW and SE.
             Gulch, course SE. Ascend SE. slope, 35 ft.to
Spur ridge, brs.SE. Descend SW. slope, 50 ft.to
Wire fence brs.NE. and SW.
Small irrigation ditch, course SW.
Small irrigation dditch, course SE.
20.30
20.56
20.48
21.80
Small irrigation dditch, course SE.

Small stream of water, course SE. Ascend E slope, 925 ft.

40.105

Set an iron post 3 ft.long, l inlin diam., 26 ins. in the ground, for \( \frac{1}{4} \) sec.cor., marked om brass cap, 1913 in S.rim, \( \frac{1}{4} \) S 27 in N., and \( S \) 34 in S.half; from which, \( A \) cedar, 6 ins. in diam., brs.N.34°W., 29 lks. dist., marked \( \frac{1}{4} \) S 27 B T.

A cedar, 6 ins. in diam., brs.S.6\( \frac{3}{4} \) E.,22 lks. dist., marked \( \frac{1}{4} \) S 34 B T.
                                           dist., marked 1 S 34 B T.
 42.20
             Ascend NE. slope.
             Trail, brs.NW and SE.
Rocky ledge, brs.NW and SE.
Thence along north slope.
 52.50
58.20
            Descend NW slope, 125 ft.to
THe cor. of secs. 27,28, 33 and 34.
 68.70
80.21
             Land, mountainous.
Soil, very rocky, 4th rate.
Timber, scatering cedar, cottonwood and willow.
                Undergrowth, dense mesquite, catclaw and cactii.
             Mountainous land, 68 chs.
                                                                       Dec. 13, 1913.
                     Dec.30, 1913: At 8h. 58m. a.m., l.m.t., I set off 23°9' S. on the decl.arc; 33°2½'N. on the lat.arc; and determine a meridian with the solar at the cor. of secs.
                    27,28, 33 and 34.
              Thence I run,
N.0°2 W., bet. secs.27 and 28.
Through costioning
              Through scattering timber and dense undergrowth. Descend NE. slope, 180 ft. to
              Gulch, course NE. Ascend SE. slope, 260 ft.to Spur ridge, brs.E. Descend NE. slope, 650 ft.to
   6.00
 21.00
              Ridge, brs.NE. and SW. Continue to descend NW. slope.

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,

1913 on S.rim,
\(\frac{1}{4}\) S 28 in W., and
 28.50
 40.00
                                           S 27 in E-half;
                  and raise a mound of stone 2 ft.base, 12 ft. high, W.
                                     Pits impracticable.
                  of cor.
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Partial Subdivision of frac. Township 4 South Range 28 E.
Chains.
           Continue to descend NW. slope to
           Canyon, course NE. Ascend rocky broken SE. slope,500 ft. Foot of ledge, brs. E'and W., 30 ft. to top
45.00
53.50
56.00
           Rocky spur ridge, brs.SE.; descend.
Canyon, course SE2 Ascend SW. slope.
58.00
64.00
           Narrow rocky spur ridge, brs.E.
                                                                   Descend NE. slope, 450
                ftto
76.00
           Canyon, course NE.
           Bonita Creek Trail, brs.NE and SW.
Ascend S. slope, 60 ft.to
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
80.00
                brass cap,
                                    1913 on S.rim,
T 4 S R 28 E in N.half;
                                    S 21 in NW.,
                                    S 22 in NE.,
                                    S 27 in SE., and
S 28 in SW.quadrant;
                and raise a mound of stone 2 ft. base, l_{\overline{g}} ft. high, w. of corner. Pits impracticable.
           This corner is at the foot of a cliff, 50 fthigh, brs.
                E-and W.
           Land, mountainous and hilly. Soil, very rocky, 4th rate.
           Timber, scattering cedar, oak andcottonwood.
           Undergrowth, dense mesquite, catclaw, scrub oak and
                cacti.
           Mountainous land, 66 chs.
                e: The sky was overcast at noon, making an observation for latitude impossible.
           N.89°57'E., on a random line, bet. secs.22 and 27. Set temp. 4 sec.cor.
40.00
           Intersect N. and S. line, 40 lks. south of the cor. of secs.
80.32
                22,23,26 and 27, hereinbefore described.
           Thence I run, S.89°40 W., on a true line, bet. secs.22 and 27. Ascend east slope of ridge, through scattering timber
                and dense undergrowth.
2.50
7.50
11.00
           Spur rige, brs. NE. Descend NW. slope, 30ft.to Gulch, course NE. Ascend E. slope, 75 ft. Bonita Creek trail, brs. NE and SW.
           Ridge, brs.NE and SW. Descend NW. slope, 30 ft.to Gulch, course NE. Ascend E slope, 150 ft.to Ridge, brs.NE and SW. Descend NW.slope, 200 ft.t.
15.25
18.00
          Enter canyon, course NE.

Point for $\frac{1}{4}$ sec.cor., falls in canyon. Impossible to set post. Ascend SE'slope, 330 ft. for wit.cor.

This being the nearest practical point, set an iron post 3 ft.long, l in. in diam., 26 ins. in the ground at this point for witness cor. to $\frac{1}{4}$ sec.cor., marked on brass cap,
28.00
                                                    Descend NW.slope, 200 ft.to
37.00
40.16
43.97
                                    1913 on S.rim,
W C 1 in E.half;
S 22 in NW., and
                                    S 27 in SW.quadrant;
                and raise a mound of stone 2 ft. base, 1\frac{1}{2} ft. high,
                north of cor. Pits impracticable.
           Ridge, brs.NW. and SE. Descend SW. slope, 250 ft.to. The cor. of secs. 21, 22, 27 and 28.
           Land, mountainous and hilly. Soil, rocky, 4th rate.
           Timber, scattering cedar.
          Undergrowth, dense mesquite, catclaw, scrub cak and caction Mountainous land, 58 chs.
                                                              Dec.30, 1913.
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Partial Subdivision of frac. Township 4 South Range 28 E.
Chains.
           Dec. 31, 1913: At 8h. 55m. a.m., l.m.t., I set off 33° 3½ N. on the latearc; 23° 5'S. on the declearc; and determine a meridian with the solar, at the core of secs.
                 21,22, 27 and 28, hereinbefore described.
            Thence I run, N.0°2 W., bet. secs. 21 and 22.
            Through scattering timber and dense undergrowth. Ascend
                rocky south slope, 220 ft.to
 2.65
                                                                    Descend steep NE. slope,
           Narrow rocky ridge, brs. E and W.
                 125 ft.to
           Gulch, 2 chs.wide, course E. Ascend S. slope, of Turtle Mountain, 950 ft.
Ascend SW. slope, of Turtle Mountain.
 8.00
26.00
           Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for \frac{1}{4} sec.cor., marked on brass cap,
40.00
                                     1913 on S.rim, 
 $ 21 in W., and
                                       S 22 in E.half; from which,
                               A pinon, 6 ins. in diam., brs.S.40 w., 79 lks.dist., marked & S 21 B T.
           No other trees within limits. Raise a mound of stone 2 ft.base, la ft.high, west of cor. Pits impracticable. Ridge, brs. NW. and SE. Descend NE. slope, 1150 ft.
41.00
53.00
56.00
            Gulch, course E.
           Ridge, brs.E. Continue to descend broken NE slope.
Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 15,16,21 and 22, marked on
80.00
                 brass cap,
                                     1913 on S.rim,
T 4 S R 28 E in N.half;
S 16 in NW.,
                                      S 15 in NE \cdot,
                                      S 22 in SE., and
                                      S 21 in SW · quadrant;
                 and raise a mound of stone, 2 ft.base, 12 ft. high, W.
                of corner. Pits impracticable.
                      At this cor., Dec.31, 1913, I set off 23°5'S.on
            Note:
                 the decl.arc, and at apparent noon, observe the sun
                 on the meridian; the resulting late is 33° 42°N.
            Land, mountainous. Soil, very rocky, 4th rate.
            Timber, scattering cedar and pine.
                                             scrub cak, mesquite, catclaw and
            Undergrowth, dehse
                 cacti.
            Mountainous land, 80 chs.
           N.89°40 'E., on a random line, bet. secs.15 and 22.

Set temp. 4 sec.cor.

Intersect Nand S. line, 16 lks.N. of the cor. of secs.14,15,
40.00
80.18
                 22 and 23, hereinbefore described.
            Thence I run,
            S.89°47' W., on a true line, bet secs.15 and 22.

Descend west slope, on ridge, through scattering timber and dense undergrowth.
 4.24
            Trail, brs.N.and S.
            Descend west slope, 225 ft., into Eagle Creek.

Small irrigation ditch, at foot of bluffs, course S.

Enter cultivated land belonging to Frank Gomez.

Wire fence brs. N. and S. Leave cultivated land.
12.30
15.35
16.75
18.20
            Eagle Creek, 60 lks.wide, 5 ins. deep, course SE.
Leave Eagle Creek bottom; ascend east slope,315 ft.
Frank Gomez' cabin brs.N. about 3 chs.dist.
Ridge, brs.NE' and SW. Descend NW. slope, 25 ft.to
32.20
            Gulch, course NE. Ascend E. slope, 90 ft.

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,

1913 on S.rim,
36.00
40.09
                                      \frac{1}{4} S 15 in N., and
```

S 22 in S.half;

BOOK 2773

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Partial Subdivision of frac. Township 4 South Range 28 East.
Chains.
                  and raise a mound of stone, 2 ft.base, lt ft. high, N.
                  of corner, Pits impracticable.
             Spur ridge, brs.NE. to creek.
46.20
                                                                  Thence along foot of cliffs,
                  brs. E. and W.
             Vacant Mexican cabin, brs.N.44°W., about 18 chs.dist.
            Thence along broken north slope.

Descend NW. slope, 75 ft.to

Gulch, course N. Ascend NE slope, 325 ft.to
49.70
56.90
60.20
             Gulch, course NE.; ascend.
68.20
            Spur ridge, brs. NE.; descend. The cor. of secs. 15,16,21 and 22. Land, mountainous and hilly.
70.00
80.18
             Soil, 2d rate on wreek; rocky, 4th rate rest of way.
             Timber, scattering cedar and pine.
            Undergrowth, dense scrub oak, mesquite, catclaw and caction Mountainous land, 68 chs.
                                                                  Dec. 31, 1913.
             Jan. 1, 1914: At 9h. 3m., a.m., l.m.t., I set off 33°4½'N. on the lat.arc; 23°½'S. on the decl.arc; and deter-
                   mine a meridian with the solar at the cor. of secs.
                    15,16,21 and 22, hereinbefore described.
            Thence I run, N.0°2 W., bet. secs.15 and 16.
            Through scattering timber and dense undergrowth. Descend broken N. slope, 200 ft.to
  6.00 .
            Gulch, course NE.; ascend slighly to
            Spur ridge, brs.E.; descend to Gulch, course E. Ascend slightly to
  8.20
10.00
13.00
14.00
            Spur ridge, brs.E.; descend to
            Gulch, course E. Foot of descent; ascend S. slope, 90
                   ft.to
            Spur ridge brs.E. on south side ofdeep box canyon, course NE., over which I cannot chain; therefore, I measure by stadia, rod reading (mean of three), 4.738 ft. Ratio, 1 ft. 2 chs. Focal constant, 1.025 ft. Vertical angle, plus 6° 20'. The dist. to instrument point is therefore, 4.738 x 2 x .9878 plus .016 = 9.38 chs., which added to 22.72 chs. 32.10 chs., instrument
22.72
                   point.
32.10
            Instrument point on N. bank of canyon. Ascend SW. slope,
                   235 ft.
            Ascend SE slope.
37.40
40.00
            Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for \frac{1}{4} sec.cor., marked on brass cap,
                                       1913 on S.rim,

1/4 S 16 inW., and
                 S 15 in E.half; and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, W.
                  of corner. Pits impracticable.
           Spur ridge, brs.E. Descend NE' slope, 130 ft.to
Gulch, course E. Ascend S. slope, 40 ft.to
Spur ridge, brs.E. Descend NW. slope, 230 ft.to
Gulch, course E. Ascend S. slope, 370 ft.to
Ridge, brs.E. and W. Descend NE' slope, 75 ft.to
Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 9,10,15 and 16, marked
41.40
47.50
52.70
61.00
76.00
80.00
                   on brass cap,

1913 on S.rim,

28 E i
                                       T 4 S R 28 E in N.half;
                                       S 9 in NW.
                                       S 10 in NE.,
                                 S 15 in SE., and
S 16 in SW. quadrant; from which,
A cedar limb, 6 ins. in diam., brs.S.442°W.,
100 lks.dist., marked T 4 S R 28 E S 16 BT.
A cedar, 8 ins. in diam., brs.N.33°W., 130
lks.dist., marked T 4 S R 28 E S 9 B T.
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70.00

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Partial Subdivision of frac. Township 4 South Range 28 E
Chains
               No other trees within limits; raise a mond of stone 2 ft. base, la ft. high, west of corner. Pits impracticable.

Note: At this cor., Jan. 1, 1914, I set off 230 s. on the decl. arc; and atapparent noon, I observe the sun
               on the meridian; the resulting latitude is 33°5½ N. Land, mountainous and hilly.
                Seil, -rocky, -4th-rate.
                Timber, scattering pine and cedar.
               Undergrowth, mesquite, catclaw, hackberry and cacti. Mountainous land. 72 chs.
               N.89°47 E., on a random line, bet. secs. 10 and 15.
               Top98676 Iuff901000 ft shigh jbrs . Neand Stbeing the ligest bank
 37.25
               Thops Ragio: Creek. S. Tightains. distance bacross Eaglet Creek. by stadia measurement from this point to rod set in Creek bottom, near foot of bluff, on
                     east side of creek. Red reading, 2.436 ft. Ratio, 1 ft.

- 2 chs. Focal constant, 1.025 ft. Angle of depress-
ion -1958. The dist. to rod istherefore, 2.436 x 2

x.8834 plus .016 = 4.32 chs. which added to 37.25
chs. = 41.57 chs. rod point. As the point for \( \frac{1}{4} \) sec.

cor. will evidently be subject to overflow from

Fagle Creek. I neture on mandom line S.80817 ft.
                      Eagle Creek, I return on random line, S. 89°47 W. 4.12
                      chs.to
37.45
               A point on west side of creek, at foot of bluff, and as
                     this is the nearest point to point for \frac{1}{4} sec.cor. at
                     which it is practicable to set witness core in order to escape overflow, \frac{1}{4} set temp witness core to \frac{1}{4} sec.core
                      at this point.
               West bank of deep rocky box canyon, course SW., across which I cannot chain; therefore, obtain the distacross by stadia measurement. Rod reading 4.740 ft. Ratio, 1 ft. 2 chs. Focal constant, 1.025 ft. Vertical angle plus 5° 24'. The dist. on random line to rod istherefore, 4.740 x 2 x .9911 plus .016 = 9.41 chs., which added to 56.20chs. 65.61 chs. rod point
56.20
65.61
               Rod point on east side of canyon.
80.12
               Intersect N. and S. line, 26 lks. north of the cor. of secs.
                      10,11,14 and 15, hereinbefore described.
               Thence I run, S. 89°58 W., on a true line, bet. secs. 10 and 15.
               Through scattering timber and dense undergrowth. Descend
               NW. slope, 140 ft. Trail, brs.NE. and SW.
12.05
15.30
23.70
               East bank of deep box canyon, course SW.
              West bank of canyon.

West bank of canyon.

Descend west slope, 200 ft., into Eagle Creek.

Foot of bluff, brs.NNE. and SSW.

Eagle Greek, 80 lks.wide, 5 ins. deep, course S.

Point for $\frac{1}{4}$ sec.cor. is subject to overflow of Eagle

Creek; therefore it is impracticable to set post.
27.00
38.10
39.20
40.06
41.00
               Trail, brs. N. and S.
42.67
               Foot of bluff, 100 ft. high, brs. N. and S.
                                                                                                               As this is
               the nearest practical point for witness cor., I
Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in
the ground at this point, for witness cor. to \( \frac{1}{4} \) sec.cor.
                     marked on brass cap,
                                               1913 on S rim,
W C 1 in E.half;
S 10 in NW., and
                                      S 15 in SW. quadrant; from which,
A sycamore, 14 ins. in diam., brs. N.434°E.,
112 lks.dist., marked W C 4 S 10 B T
A sycamore, 10 ins. in diam., brs. S.858°E.,150
lks.dist., marked W C 4 S 15 B T.
              Top of bluff; ascend east slope, 250 ft.to
Spur ridge, brs.SE. Descend SW. slope, 25 ft.to
Gulch, course SE. Ascend NE. slope, 235 ft.to
Spur ridge, brs.N. Descend SW. slope, 15 ft.to
43.00
52.10
56.00
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Partial Subdivision of frac. Township 4 South, Range 28 E.
Chains.
              Gulch, course NE. Ascend SE slope, 165 ft.to
72.30
80.12
              The cor. of secs. 9,10,15 and 16.
              Land, mountainous and hilly.
              Soil, rocky, 4th rate; 2nd rate in Creek bottom.
              Timber, -- scattering pine, cedar and sycamore.
              Undergrowth, dense scrub oak, mesquite, catclaw, hackberry
                     and cact.
              Mountainous land, 72 chs.
                                                                                                  Jan. 1, 1914.
                      4, 1914. At 7h. 53m. a.m., l.m.t., I set off 33°5' N. on the lat.arc; 22°43'S. on the decl.arc; and
               Jan. 4, 1914.
                       determine a meridian with the solar at the cor. of secs.
                       9,10,15 and 16, hereinbefore described.
              Thence I run,
N.0°2'W., bet. secs.9 and 10.
Descend NE. slope, 275 ft., through scattering 1mber and
                       dense undergrowth.
               Impossible to chain across a deep box canyon, course E.;
11.35
                       therefore, leave rod at this point, and with instru-
                       menton ridge on opposite side, take stadia measurement. Rod reading (mean of bree) 4.281 ft.Ratio,1 ft.
                     - 2 chs. Focal constant, 1.025 ft. Level. The distance to instrument point is therefore, 4.281 x 2 plus
              ance to instrument point is therefore, 4.281 x 2 plus
.016 = 8.58 chs., which added to 11.35 chs.=

Instrument point on rocky spur ridge, brs.E. Set rod
ahead on line, and take stadia measurement across
a deep V-shaped canyon, course E. Rod reading, (mean
of three), 3.476 ft. Ratio, 1 ft.= 2 chs. Focal con-
stant, 1.025 ft. Vertical angle plus 3°30'. The dist.
on sec.line to rod point is therfore, 3.476 x 2 x
.9963 plus .016 = 6.94 chs., which added to 19.93 chs.=

Rod point onspur ridge, brs.E. Set rod ahead on line,
and take stadia measurement across another deep V-shaped
19.93
26.87
              and take stadia measurement across another deep V-shaped canyon, course E. Rod reading (mean of three), 5.457 ft. Ratio, 1 ft.= 2 chs. Focal constant, 1.025 ft.

Vertical angle plus 4° 20°. The dist.on secline to rod is therefore, 5.457 x 2 x .9943 plus .016 = 10.87 chs., which added to 26.87chs. =
              Rod point nnrocky spur ridge, brs.SE. Impossible t chain or stadia from here. Set a flag ahead on line; leave
37.74
                    a flag at this point, and from the flag ahead, measure a base line S.27°31 E., 17.89 chs. from the SE. end of which the flag bears S.83° 45 W.
               The dist. on sec. line is computed as follows: \frac{68^{\circ}}{44} x \frac{17.89}{2} = 16.77 chs., where \frac{1}{2}
                                          68° 44' x 17.89 = 16.77 chs., which added sin. 83° 47'
              to 37.74 chs.=
From this point, I return on sec.line S.0°2'E. measuring
54.51
                    dist. by stadia across a V-shaped box canyon, 200 ft. deep, course E. Rod reading (mean of three) 4.001 ft. Ratio, 1 ft. 2 chs. Focal constant, 1.025 ft. Angle of depression, - 2°30'. The dist.on sec.line to rod point is therefore, 4.001 x 2 x .9981 plus .016 = 8.00 chs., which subtracted from 54.51 chs. =
              Rod point on south side of canyon. As point for \( \frac{1}{4}\) sec. core (\( \frac{1}{4}\) 0.00) falls in an discressible place d as this
46.51
              point is as near to cor. point as it is practicable to measure distance, I therefore,
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, at this point, for witness cor. to \(\frac{1}{4}\) sec.
                     cor., marked on brass cap,
                                              1913 on Sorim,
                                              W C in N.half;
S 10 in SE., and
                     S 9 in SW quadrant; and raise a mound of stone, 2 ft. base. 1 ft. high, W.
                     of cor. Pits impracticable.
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Partial Bubdivision of frac. Township 4 South, Range 28 E.
             Thence I return to 54.51 chs. point, and continue measure-
ment, N.0°2'W.
             Gulch, course E. Ascend SE slope, 180 ft, to Spur ridge, brs.E. Descend NE slope, 65 ft.to
55.50 62.60
             Gulch, course E. Ascend SE. slope, 170 ftto
Spur ridge, brs.E. Descend NE slope, 20 ft. to
66.25
73.00
77.50
80.00
             Gulch, course E. Ascend SE. slope, 65 ft.to
Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 3,4,9 and 10, marked on
                   brass cap,
                                         1913 on S.rim,
T 4 S IR 28 E in N.half;
S 4 in NW.,
S 3 in NE.,
S 10 in SE., and
                                         S 9 in SW. quadrant;
                   and raise a mound of stone 2 ft. base, 12 ft. high, W.
             of cor. Pits impracticable.

Note: At this cor. Jan. 4, 1914, I set off 22° 44' S.on
the decl.arc., and at apparent noon, I observe the sun
on the meridian; the resulting late is 33° 6'N.
             Land, mountainous and hilly.
Soil, very rocky, 4th ras.
             Timber, scattering cedar and pine.
Undergrowth, dense mesquite, catclaw, scrub oak and cacti
             Mountainous land and dense undergrowth, 80 chs.
            N. 89°58 E., on a random line, bet. secs. 3 and 10. Set temp. 2 sec. cor.
40.00
            Intersect north and south line, 37 lks. north of the cor.
79.93
                    of secs. 2,3,10 and 11, hereinbefore described.
            Thence I run, N.89°46'W., on a true line, bet. secs.3 and 10.
N.89°46'W., on a true line, bet. secs.3 and 10.

Through scattering timber and dense undergrowth. Descend SW. slope, '435 ftto

Gulch, course NW. Ascend NE slope, 50 ft.to

Low spur ridge, brs.N. Descend NW. slope, 120 ft.to

Gulch, course N. Ascend slight NE slope.

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,

1913 on S.mm,

$\frac{1}{4}$ S $\frac{1}{2}$ in N., and

S 10 in S.half:
                                        S 10 in S.half;
                  and raise a mound of stone 2 ft. base, 1\frac{1}{2} ft. high, N. of
                             Pits impracticable.
                  cor.
            Descend slight SW -slope.
42.00
            Gulch, course NW. Easth edge of Eagle Creek Canyon. Descend W. slope,150 ft.
60.00
61.00
61.50
            Foot of bluff, brs.N. and S.
            Trail, brs.N. and S.
            Eagle Creek, 100 lks.wide, 6 ins. deep, course SW. Foot of cliffs, brs. NE. and SW. Ascend SE. slope, 450 ft. Top of cliffs; continue to ascend SE. slope, on ridge.
62.80
63.30
64.40
            The cor of secs. 3,4,9 and 10. Land, mountinous and hilly. Soil, rocky, 4th rate.
79.93
             Timber, scattering cedar.
             Undergrowth, dense mesquite, catclaw and scrub oak. Mountainous land, 72 chs.
                                                                                     Jan.4, 1914.
             Jan. 6, 1914: At 7h. 54m. a.m., l.m.t., I set off 33°6'
N. on the lat.arc; 22230'S. on the decl.arc; and determine a meridian with the solar at the cor. of secs.
             3,4,9 and 10, hereinbefore described. Thence I run,
```

N.0°2'W., on a random line, bet. secs.3 and 4.

N.70°04'E. 49.60

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Partial Subdivision of frac. Township 4 Suth Range 28 East 23
Chains
          Impossible to chain from here. Set a flag on line here,
15.12
                and one at a point on line ahead, and from the north flag measure a base line S.18.44 E., 18.92 chs. From
               the SE end of this base line, the south flag
                                                                                      brs.S.
                35°08 W.
                              The dist. on sec.line bet. flags is there-
               fore
               sin. 126°08' x 18.92 = 26.53 chs.

sin. 35°10'

which added to 15.12 chs. =
                             Especial care was taken with this triangula
41.65
          Flag point.
               tion, as it was impossible to measure a clonger base
                or secure larger angles.
          Thence I chain a return measurement, S.0° 2'E., 4.56 chs. to
          As this point is as close to true point for \(\frac{1}{4}\) sec.cor., as \(\frac{1}{2}\) is practicable for witness const., I set temp. witness cor. to \(\frac{1}{4}\) sec.cor. here. I return to 41.65 chs.
37.09
               point, and continue random line N.0°2'W.
          Foot of cliffs; impossible to chain from here.
45.30
                                                                                      Triangu-
               late as follows:
          From this point, measure a base line, N.62°18'W., 5.50 chs., from he NW. end of which a flag set on random line on the cliffs ahead, brs.N.70° 04'E. The dis-
               tance on random line to this flag is if ound from the
               following:
                                           sin. 47° 38' x 5.50 = 4.32 chs.
                                             sin.70°06'
               which added to 45.30 chs. =
49.62 Flag point.
          Top of rocky spur ridge, brs.W. From this point line
57.96
               passes over a deep box canyon, course W., over which I cannot chain; therefore, obtain dist. across by
               stadia measurement to rod on N. side of canyon. Rod
               reading (mean of three) 4.785 ft. Ratio, 1 ft. = 2 chs. Focal constant, 1.025 ft. Vertical angle, plus
               40.
                        The distance on random line to rod point is
               therefore, 4.785 \times 2 \times .9951 \text{ plus} .016= 9.54 \text{ chs}.
               which added to 57.96 chs. =
67.50
79.54
          Rod point.
          Intersect N.bdy.of Tp., 28 lks.east of the cor.of secs. 3,4,33 and 34, established by me, as described in Book
          Thence I run,
          S.0°14 E., on a true line, bet. secs. 3 and 4.
          Through scattering timber and dense undergrowth,
                                                                                      Descend
          SE. slope, 75 ft. to
Gulch, course SW. Ascend NW. slope, 75 ft.to
Spur ridge, brs. W. Nonth side, of deep box canyon,
5.70
12.00
          Spur ridge, brs. W. course W.
                ridge, brs.W. South side of deep box canyon. Descend slight SW. slope.
21.70
          Spur ridge, brs.W.
          Bluff, brs. NW. and SE. Descend SW. slope,1155 Foot of bluff, 60 ft. high, brs. NW and SE. Eagle Creek, 25 lks.wide, 2 ft. deep, course SE. Thence along west bank of Eagle Creek.

Trail, brs.NW and SE.
29.90
                                                 Descend Sw. slope, 1155 ft.to.
31.80
33.05
37.90
          Point for $ sec.cor. is subject to over Creek. Impracticable to set post.
39.54
                                           is subject to overflow from Eagle
42.20
          Cross bend of Eagle Creek, 25 lks.wide, 2 ft. deep, from
          NE., course SE.
Foot of cliff, 100 ft.high, brs.NW. and SE. As this is the neablestappint to pt. for & sec.cor. at which it is practi-
42.45
          cable to set witness core; therefore, I
Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in
the ground, at this point, for witness core to \( \frac{1}{4} \) sec.
               cor., marked on brass cap,
                                 1913 on S.rim,

中C 表 in N.half;
S 3 in SE., and
S 4 in SW. quadrant; from which,
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Partial Subdivision of frac. Township 4 South Range 28 E.
  Chains.
                                        A cottonwood, 8 ins. in diam., brs.S.42°E.,55 lks.dist., marked W C ½ S 3 B T.

A cottonwood, 9 ins. in diam., brs.N.30°W.,86 lks.dist. marked W C ½ S 4 B T.
                 Ascend NE slope, 385 ft.to
  67.50
72.55
77.45
79.54
                 Top of bluff brs. E. and W. Descend SE slope, 150ft.to
                 Guich course E. Ascend NE. slope, 110 ft. to
Ridge, brs. E and W. Descend SE. slope, 30 ftto
                 The cor. of secs. 3,4, 9 and 10.

Note: At this cor., Jan. 6, 1914, I set off 22°30½ S.on
the decl. arc; and at apparent noon, I observe the sun
on the meridian; the resulting lat. is 33° 6'N.
                 Land, mountainous and hilly.
                 Soil, rocky, 4th rate.
                 Timber, scattering cedar, pine, and cottonwood. Undergrowth, dense mesquite, catclaw, scrub oak, hackberry
                        and cacti.
                 Mountainous land, 69 chs.
                 From the cor. of secs. 3,4,9 and 10, I run,
                 West, on a true line, bet. secs4 and 9.
                 Through scattering timber and dense undergrowth.

Foot of cliff, 100 ft.high, brs.N.and S. As I cannot chain over this cliff, I set a flag on line ontop of the cliff, and returning to cor. of secs. 3,4,9 and
     2.90
                              I measure a base line from the sec.cor., north
                        2.09 chs. (it being impossible to secure a longer
5.56:36'W
                       base line here) from the north end of which, the flag brs. S. 56 36 W. The dist from cor. of secs. 3,4, 9 and 10 to flag on top of cliff is therefore obtained
                        as follows:
                 tang. 56° 36' x 2.09 = 3.17 chs.
Flag point on top of cliff. Ascend east slope, 185 ft.to
Ridge, brs.N. and S. Descend W. slope, 170 ft.to
Top of high bluff, brs.NE' and SW. Descend NW. slope, 600
   3.17
11.00
   19.90
                        ft.to
                  Gultch, course NE.; ascend.
   28.00
                  Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the ground, for \( \frac{1}{4} \) sec.cor., marked on brass cap,
   40.00
                                                  1913 on S.rim, \frac{1}{4} S 4 in N., and
                      S 9 in S.half; and raise a mound of stone 2 ft.base, 1\frac{1}{2} ft. high, N. of
                                   Pits impracticable.
                      cor.
                 Ascend slight SE. slope, to
Ridge, brs.NE and SW. Descend NW. slope, 165 ft.to
Gukch, course N. Ascend NE. slope, 85 ft.to
Spur ridge, brs.NW. Descend W. slope, 190 ft.to
Gulch, course NW. Ascend NE. slope, 45 ft.to
   51.00
   57.50
65.00
                 Gulch, course NW. Ascend NE. slope, 45 ft.to
Spur ridge, brs.N. Thence along N. slope to
Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in
the ground, for cor. of secs. 4,5, 8 and 9, marked
   70.80
    76.00
   80.00
                           the ground,
on brass cap,
1913 on Srim,
                                                  T 4 S R 28 E in N.half;
                                                  S 5 in NW.,
                                                  s 4 in NE.,
                                           S 9 in NE., and
S 8 in SW-quadrant; from which,
A pine, 8 ins. in diam., brs. N.482°E., 79
lks.dist., marked T 4 S R 28 E S 4 B T.
                                           A cedar, 8 ins. in diam., brs.S.71°E., 15 lks. dist., marked T 4 S R 28 E S 9 B T.

A pine 7 ins. in diam., brs.S.65°W., 49 lks. dist., marked T 4 S R 28 E S 8 B T.

A pine, 10 ins. in diam., brs.N.39½°W., 74 lks.dist., marked T 4 S R 28 E S 5 B T.
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Land, mountainous and hilly.

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Partial Subdivision of frac. Township 4 South Range 28 E.
Chains.
             Soil, rocky 4th rate.
             Timber, scattering pine and cedar.
             Undergrowth, dense mesquite, catclaw, scrub oak and caction Mountainous land, 70 chs.
                                                                                Jan.6, 1914.
            Jan. 7, 1914:
N.0°2'W., on a random line, bet. sec. 4 and frac.sec.5.
Set temp. ½ sec.cor.
Intersect N.bdy.of Tp., 53 lks. east of the witness cor.
to cor.of secs.4,5, 32 and 33, established by me,0.30
chs.west of cor.point, as described in Book A."
40.00
79.48
            From the true point for corl, I run, 5.0°12° E., on a true line, bet. secs. 4 and frac.sec.5.
             Through scattering timber and dense undergrowth. Descend
            in gulch, 20 ft.to

Leave gulch; ascend NW. slope, 120ft.to

Spur ridge, brs.SW. Descend S. slope, 115 ft.to

Gulch, course west. Ascend slight north slope.

Ridge, brs.E' and W. Descend SE' slope, 300 ft.
3.75
14.00
19.00
21.00
24.90
             Ledge brs.NE and SW., 40 ft.to bottom.
31.00
36.00
38.00
            Descend in draw, course S.
Top of bluff, brs.E'and W; descend abruptly.
Foot of bluff. Eagle Creek, 60 lks.wide, 2 ft. deep,course
                    east.
             True point for \frac{1}{4} sec.cor. subject bto overflow; therefore.
39.48
                    it is impracticable to set post here.
             Trail, brs.E. and W.
Small dry irrigation ditch, course E.
41.21
41.39
41.77
             As this is the nearest practical point for winess cor. I
             Set an iron post, 3 ft.long, 1 in. on diam., 26 ins. in the ground atthis point, for witness core to 4 sec.cor.
                    marked on brass cap,
            marked on brass cap,

1913 on S.rim,

W C ½ in N.half;

S 4 in SE., and

S 5 in SW quadrant; from which,

A sycamore, 10 ins. in diam., brs.N.64½ E.,77

lks.dist., marked W C ½ S 4 B T.

A sycamore, 36 ins. in diam., brs.N.78½ W., 146

lks.dist., marked W C ½ S 5 B T.

This core is at the foot of a bluff 40 ft.high, brs.NW and

SE.
                    SE.
             rop of bluff, brs.NW. and SE.
41.90
                                                                        Ascend NE. slope, 20 ft.
42.50
47.20
48.00
             Spur ridge. brs.E. Descend SE. slope, 100 ft. Wire fence brs. NE and SW. Trail brs. NE and SW. House brs.west, about 4 chs. dist.
49.00
50.70
             Small dry irrigation ditch, course SW. Enter cultivated
                    land.
56.46
             Wire fence, brs.NE' and SW. Leave field.
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Partial Subdivision of Fractional T
Chains
            Eagle Creek, 100 lks. wide, 6 ins. deep, course SW. Trail, brs. N. and S. at foot of bluff, 20 ft. high. Spur ridge, brs. W. Descend.
57.50
59.32
60.00
            Enter Eagle Creek Bottom.
51.00
            Eagle Creek, 20 lks. wide, 2 ft. deep, course E. Foot of bluffs, 100 ft. high, br. E. and W. Asc. abruptly. Add. NW. rslope, 250 ft. to Color. SE. slope, 50 ft. to
65.14
65.34
                                                                  10ps, 200
70.00
            Gulch, course NE. Asc. NW. slope, 30 ft.to
77.00
            The cor. of secs. 4, 5, 8 and 9.
79.48
            Land, mountainous and hilly. Soil, 1st and 2nd rate on Creek; remainder rocky 4th rate.
            Timber, scattering cedar and pinion, sycamore and cotton-
            Undergrowth, densemesquite, cat claw, scrub oak and cacti. Mountainous land, 65 chs.
                                                                         Jan. 7, 1914.
            Jan. 6, 1914: At 9 hrs. 58 m., a.m., l.m.t., I set off 330/6'N. on the lat. arc; 220/10' S. on the decl. arc;
                anddetermine a meridian with the solar at the cor. of
                secs. 4, 5, 8 and 9.
            Thence I run
            West, on a true line, pet frac secs 5 & 8
           Through scattering timber and dense undergrowth.
            Gulch, course NE. Asc. E. slope, 185 ft. to
Spurridge, brs. N. Desc. NW. slope, 60 ft. to
Gulch, course NE. Asc. E. slope, 470 ft. to
Spur ridge, brs. NE. Continue to asc. E. slope.
Gulch, course NE. Asc. NE. slope. to
Pidge, brs. NW. and CE. Desc. Company.
    .35
 8.00
11.00
21.50
31.00
            Ridge, brs. NW. and SE. Desc. SW. slope, 65 ft.
38.50
             Set an iron post, 3 ft. long, 1 in. dia., 25 ins. in the
40.00
                ground, for $\frac{1}{4}$ sec. cor., marked on brass cap 1913 on
                S. rim
                                 \frac{1}{4}S5 in N. and
                      $8 in S. half; from which A pine, 10 ins. dia., brs. S. 822° E., 283 lks. dist.,
                         marked 488 BT.
             No other trees within limits. Raise a mound of stone, 2
             ft. base, 1½ ft. high, N. of cor. Pits impracticable. Intersect the E. bdy. of the White Mountain Indian Res-
44.94
             ervation, 13.88 chs. S. of the 55½ mile cor., whi repstablished by mel as.d the described in book "C".
             At the point of intersection, I
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the
ground, for closing cor.offfrac.secs.50& 8, marked on
                brass cap; 1913 on S. rim
                                  CC W. of center;
                                 WMIR in W. half
                                  S5 in NE., and
                T4S R28E S8 in SE. quadrant; and raise a mound of stone, 2 ft. base, 1\frac{7}{8} ft. high, E. of cor.
                Pits impracticable.
             Land, mountainous and hilly.
             Soil, rocky 4th rate.
             Timber, scattering pine andcedar.
Undergrowth, dense scrub oak, mesquite, cat claw and cacti.
Mountainous land, 36 chs.
                                                                                Jan. 8, 1914.
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General Description.

This township is very mountainous, rocky, 4th rate, with the exception of small narrow strips along Eagle coop creek and in the gulches, which are rich sandy loam, 1st rate.

Scattering Cottonwood, Sycamore, Ash, Walnut and willows along Raglewcreek and in the gulches.

7 7

There are several mineral claims in the NortheEastern part of this township.

There is water in Eagle creek all the year.

The pump station in sec. 26 raises water to Morenci, about 7 miles distant and 1500 ft. above Eagle creek.

There are several settlers in this township, which is fairly well watered with numerous small springs and Eagle creek. creek.

This township is covered with a short, rich, nutritious

grass, fairly good grazing.
There are no settlers or agricultural land in the unsurveyed sections.

William B. Kimmel,

U. S. Surveyor.

Boundaries of Frac.T.4 S., R.28 E., (Surveyed portion)

Latitud	es, departur	es and	Closing	errors.		
Line designated	True course	Dist.	Latitudes		Departures	
			N.	S.	Ε.	W.
South big of Tp.	West	240.00				240.00
Subdivisional Boundary	N.O°2'W. West	400.00				.23 124.94
West bdy of Tp. (E.bdy of W.M.IR)	North	79,44	79 .44	7.4		
North bdy of Tp.	East	364 .54	* *		364.54	
East bdy.of Tp.	South	480.00		480.00	er (L. 🛦 i S	
Convergency .					.25	
	Totals		479.44	480.00	364.7.9 0	
				479.44		364.79
	Error in la	ti, tude		0,56		
			Error in	ı departu	ıre	0.38

William B. Kimmel.

U.S.Surveyor.

118 2113 PROOF F

FOR FINAL OATH OF UNITED STATES SURVEYOR. See Book D.

I,	, U. S. Surveyor, do solemnly swear that, in pursuance
	s received from the U.S. Surveyor General for
	, 191 , I have well, faithfully, and truly,
	erson, and in strict conformity with said instructions, the Manual of Surveying
	laws of the United States, surveyed all those parts or portions of
	·
	of the
	Meridian, in the State of, which are represented in
	otes as having been executed by me, and under my direction; and I do further
	all the corners of said survey have been established and perpetuated in strict accord-
	of Surveying Instructions, and the special written instructions of the U.S. Surveyor
	and in the specific manner described in the field notes, and that
	original field notes of such survey.
	U. S. Surveyor.
Subscribed by said	and sworn to before me
	day of, 191
	, , , , , , , , , , , , , , , , , , , ,
SEAL W	
	APPROVAL.
•	OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
	Phoenix Arizona June 19, 1915
The foregoing field	d notes of the survey of part of the
***************************************	Subdavision Lines of
F	ractional Township 4 South Range 28 East
****	of the Gila and Salt River Base & Meridian
	in the State of Arizona
executed by Willia	m B, Kimmel U.S.Surveyor
·	uctions dated April 4, 1913 for Group 26 , set , having been
	ad the necessary corrections and explanations made, the said field notes, and the
surveys they describe,	
. To they describe,	Inank dona alla
* W	Surveyor General.
I certify that the f	oregoing transcript of the field notes of the above described surveys in
	, has been correctly copied from the original notes on file in this office
	· · · · · · · · · · · · · · · · · · ·