

Book "N"
Subdivisions
FIELD NOTES

BOOK 2779

OF THE SURVEY OF THE

Subdivision lines

RESURVEY OF THE

North and Part of the East Boundary

AND

RETRACEMENT OF

Part of the East Boundary

of TOWNSHIP 13 SOUTH RANGE 27 EAST

Of the Gila and Salt River Base and Meridian,

In the State of ARIZONA

EXECUTED BY

WILLIAM B. KIMMEL

In the capacity of U. S. Surveyor, under instructions dated December 30, 1913 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, January 9, 1914, pursuant to authority contained in the Act of Congress dated June 23, 1913 and August 1, 1914.

Survey & Re Survey commenced June 8, 1914

Survey & Re Survey completed July 19, 1914

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Book "N"

BOOK 2779

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B

Retracement of East bdy. of Township 13 South, Range 27 East.

Chains.

Survey commenced June 8, 1914, and executed with a Young and Sons' light mountain transit No. 8541, with Smith's solar attachment. For description of this instrument and certificate of approval, see Book "A."

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

At my camp, near the center of the NE. 1/4 of sec. 34, T. 13 S., R. 27 E.; latitude, 32° 15 1/2' N.; longitude, 109° 34' W., I set off 32° 15 1/2' N. on the lat. arc; 22° 52' N. on the decl. arc; and at 5h. 20m. p.m., l.m.t., determine with the solar a meridian, and mark a point thereon by setting a flag firmly in the ground, about 5 chs. north of my station.

At 8h. 18m. p.m., by my watch, which is correct l.m.t., I observe Polaris in accordance with the Manual of Instructions, and mark a point in the line thus determined on a peg driven in the ground, about 5 chs. north of the same station.

June 8, 1914.

June 9, 1914: At 6h. 30m. a.m., l.m.t., I lay off the azimuth of Polaris, 0° 2' to the west, which is the azimuth corresponding to an hour angle of 0h. 5m., the point falling on flag set by solar observation, June 8, 1914.

June 9, 1914: At this same station, at 6h. 35m., a.m., l.m.t., I set off 32° 15 1/2' N. on the lat. arc; 22° 55 1/2' N. on the decl. arc; and determine with the solar a meridian, which agrees with the p.m. observation of June 8, 1914; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic decl. of the true meridian, at 6h. 40m. a.m., l.m.t., is 13° 25' E.

I test the stadia wire interval, by setting rod 4.016 chs. from the instrument; the rod reading is 2.000 ft., which is correct.

From the original 1/4 sec. cor. on the east bdy. of sec. 13, which is a charred stake (pits nearly obliterated) in the south pit is a stake 2 ins. sq., 4 ins. above ground, marks nearly obliterated, I run, North on a random line, bet. secs. 13 and 18, on north half mile.

40.00 No corner found; set temp. corner for secs. 7, 12, 13 and 18.

From the original 1/4 sec. cor., bet. secs. 13 and 18, described above, I run, South, on a random line, bet. secs. 13 and 18, on south half mile.

40.25 Fall 5 lks. west of point for original cor. of secs. 13, 18, 19 and 24, which I located 5 1/2 ft. N. 45° W. from stake, 2 ins. square, 6 ins. above ground, marks very indistinct, in SE. pit (pits nearly obliterated).

True course and distance of this half mile is therefore S. 0° 4' E., 40.25 chs.

June 9, 1914.

June 10, 1914: At 7h. a.m., l.m.t., I set off 32° 17 1/2' N. on the lat. arc; 23° 00' N. on the decl. arc; and determine a meridian with the solar at the point for original cor. of secs. 13, 18, 19 and 24, described above.

2. Retracement of the East bdy. of Township 13 South, Range 27 E	
Chains	
40.14	Thence I run, South, on a random line, bet. secs. 19 and 24. Fall 8 lks. east of original $\frac{1}{4}$ sec. cor., a stone 9x6x6 ins. above ground, firmly set, marked $\frac{1}{2}$ on the W. face; Pits obliterated. True course and dist. of this half mile is therefore S.0° 7' W., 40.14 chs.
40.11	Thence I run, South, on a random line, bet. secs. 19 and 24, on south half mile. Fall 12 lks. west of original cor. of secs. 19, 24, 25 and 30, a cedar post 6 ins. sq., protruding 3 ft. from a mound of stone, 4 ft. base, 3 ft. high, marked and witnessed as described by the Surveyor General. True course and dist. of this half mile is therefore S.0° 10' E., 40.11 chs.

40.00	From the temp. cor. of secs. 7, 12, 13 and 18, hereinbefore described, I run, North, on a random line, bet. secs. 7 and 12. No cor. found; set temp. $\frac{1}{4}$ sec. cor.
81.26	Fall 10 lks. east of a point where a post 4 ins. sq., 2 ft. long, with marks nearly obliterated was laying, and where I uncovered the butt of the same post. Evidently this is the remains of original cor. of secs. 1, 6, 7 and 12. True course and dist. of this mile is therefore, N.0° 4' W., 81.26 chs.
40.17	Thence I run, North, on a random line, bet. secs. 1 and 6. Fall 7 lks. west of point for original $\frac{1}{4}$ sec. cor., where I uncovered a charred stake, with a stake 2 ins. square, 4 ins. above ground, in south pit; marks nearly obliterated. True course and dist. of this half mile is therefore S.0° 6' W., 40.17 chs.
40.00	Thence I run, North, on a random line, bet. secs. 1 and 6, on north half mile. No trace of original township cor. could be found.
80.00	Thence I continue measurement, North, on a random line, bet. secs. 31 and 36, of T. 12 S., Rs. 27 and 28 E.
120.24	No corner found. Fall 6 lks. east of original cor. of secs. 25, 30, 31 and 36, which is a post 4 ins. sq., 40 ins. above ground, properly marked; part of the marks are very dim, with indication of pits; redig pits, 18x18x12 ins. in each sec., $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, west of corner. The return bearing is therefore S.0° 2' E.
40.08	Thence I run, S.0° 2' E., on temp. N. and S. line, bet. secs. 31 and 36, on east bdy. of T. 12 S., R. 27 E.
80.16	Set temp. $\frac{1}{4}$ sec. cor. Set temp. cor. for T. 12 and 13 S., Rs. 27 and 28 E., and continue temp. N. and S. line, S.0° 2' E., bet. secs. 1 and 6 on east bdy. of T. 13 S., R. 27 E.
120.24	Intersect the point for original $\frac{1}{4}$ sec. cor., hereinbefore described. June 10, 1914.
	June 11, 1914. I now proceed to determine the proper point to reestablish the township cor., as follows: From the point for the original $\frac{1}{4}$ sec. cor., bet. secs. 1 and 36, on the north bdy. of T. 13 S., R. 27 E., which I locate $5\frac{1}{2}$ ft. west from a stake, 2 ins. square, 5 ins. above ground in east pit, marked $\frac{1}{2}$ S on N. face (pits

Retracement of East bdy. of Township 13 South, Range 27 East. 3.

Chains.

- nearly obliterated). At this cor. at 7h.50m. a.m., l.m.t. I set off $32^{\circ}20'N.$ on the lat. arc; $23^{\circ}4'N.$ on the decl. arc; and determine a meridian with the solar.
- Thence I run,
East, on a random line, on east half mile, bet. secs. 1 and 36, on north bdy. of T. 13 S., R. 27 E.
- 40.00 No trace of original Tp. cor. could be found; continue random line east, bet. secs. 6 and 31, on north bdy. of T. 13 S., R. 28 E.
- 78.93 Fall 51 lks. south of point for original $\frac{1}{4}$ sec. cor., which I locate $5\frac{1}{2}$ ft. west from a stake 2 ins. sq., 2 ins. above ground in east pit, faintly marked (pits obliterated, as this stake is near edge of cultivated land). The return bearing is therefore $S.89^{\circ}38'W.$
- Thence I run,
 $S.89^{\circ}38'W.$, on temp. E and W. line, on west half mile, bet. secs. 6 and 31, on north bdy. of Tp. 13 S., R. 28 E.
- 38.82 (Proportional distance). Set temp. township cor., 4 lks. south of which, and 19 lks. east of the temp. Tp. cor. set by me on temp. N. and S. line, I reestablish the cor. of Ts. 12 and 13 S., Rs. 27 and 28 E., as follows:
Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, marked on brass cap,
1914 on south rim,
T 12 S in N.,
R 28 E in E.,
T 13 S in S., and
R 27 E in W. half;
S 36 in NW.,
S 31 in NE.,
S 6 in SE., and
S 1 in SW. quadrant;
pits impracticable. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, south of corner.
- Continue temp. east and west line, $S.89^{\circ}38'W.$, bet. secs. 1 and 36, on north bdy. of T. 13 S., R. 27 E.
- 78.93 Intersect the point for the original $\frac{1}{4}$ sec. cor., hereinbefore described.
- The true course and dist. of the east half mile of line bet. secs. 1 and 36 on the N. bdy. of Tp. 13 S., R. 27 E., resulting from the reestablishment of the Tp. cor. is therefore $S.89^{\circ}41'W.$, 40.11 chs., and the true course and distance of the north half mile of line bet. secs. 1 and 6, on east bdy of T. 13 S., R. 27 E. is therefore $S.0^{\circ}15'W.$, 40.08 chs.

Retracement of North bdy. of Township 13 S., R. 27 East.

- From the point for original $\frac{1}{4}$ sec. cor., bet. secs. 1 and 36. I run,
West, on a random line, bet. secs. 1 and 36, on west half mile.
- 40.16 Fall 3 lks. south of the point for original cor. of secs. 1, 2, 35 and 36, which I located $5\frac{1}{2}$ ft. $N.45^{\circ}W.$ from a stake, 2 ins. square, 4 ins. above ground, in SE. pit faintly marked (pits nearly obliterated).
True course and dist. of this $\frac{1}{2}$ mile is therefore, $N.89^{\circ}57'W.$, 40.16 chs.
- Thence I run,
West, on a random line, bet. secs. 2 and 35.
- 40.14 Fall 2 lks. south of point for original $\frac{1}{4}$ sec. cor., where I uncovered a charred stake, with a stake 2 ins. square, 6 ins. above ground, in E. pit, marks indistinct. True course and dist. of this half mile is therefore, $N.89^{\circ}58'W.$, 40.14 chs.

4. Retracement of North bdy of Township 13 South Range 27 E.

Chains

Thence I run,
West, on a random line, bet. secs.2 and 35, on west half
mile.
40.13 Fall 3 lks.south of the point for original cor.of secs.2,3,
34 and 35, which I located $5\frac{1}{2}$ ft. N.45°W. from a stake,
2 ins.square, 3 ins. above ground, marks obliterated,
in SE.pit (pits nearly obliterated).
True course and dist. of this $\frac{1}{2}$ mile is therefore N.89°
57'W., 40.13 chs.
June 11, 1914.

June 12, 1914: At 8h. a.m., l.m.t., I set off 32°20'N.on
lat.arc; 23°8 $\frac{1}{2}$ 'N. on the decl.arc, and determine a mer-
idian with the solar at the point for the original
corner of secs.2,3,34 and 35, described above.
Thence I run,
West, on a random line, bet. secs 3 and 34.
40.14 Fall 2 lks.south of the point for original $\frac{1}{4}$ sec.cor.,
which I locate $5\frac{1}{2}$ ft. west from a stake 2 ins. sq., 5
ins. above ground in east pit, marked $\frac{1}{4}$ S on N.face;
(pits nearly obliterated)
True course and dist. of this half mile is therefore N.89°
58'W., 40.14 chs.

Thence I run,
West, on a random line, bet. secs . 3 and 34, on west half
mile.
40.16 Fall 2 lks.north of the original cor. of secs. 3,4,33 and
34, a stone, 4x6x5 ins. above ground, marked 3 notches
on E. and W. edges. (Pits obliterated)
True course and distance of this half mile is therefore,
S.89° 58' W., 40.16 chs.

Thence I run,
West, on a random line, bet. secs.4 and 33.
40.13 Fall 2 lks.north of the point for original $\frac{1}{4}$ sec.cor.,
where I uncovered charred stake (pits nearly obliterated);
did not find stake in pit. True course and
dist. of this half mile is therefore, S.89° 58'W.,
40.13 chs.

Thence I run,
West, on a random line, bet. secs.4 and 33, on west half
mile.
40.00 No corner found. Set temp. cor.for secs. 4,5,32 and 33.

Thence I run,
West, on a random line, bet. secs.5 and 32.

40.00 No corner found; set temp. $\frac{1}{4}$ sec.cor.
80.36 Fall 11 lks.south of the original cor.of secs. 5,6,31 and
32, a stone 8x5x5 ins. above ground, marked with 5
notches on the W., and 1 notch on E. edge (pits nearly
obliterated).
True course and dist.of W. $\frac{1}{2}$ mile, bet. secs.4 and 33 is
therefore N.89° 57'W., 40.12 chs., and of the mile bet.
secs.5 and 32 is N.89° 57'W., 80.24 chs.

Thence I run,
West, on a random line, bet. secs.6 and 31.
40.00 No corner found; set temp. $\frac{1}{4}$ sec.cor.
78.93 Fall 7 lks.S. of the original cor. of Ts.12 and 13 S.,Rs.
26 and 27 E., a stone 12x10x10 ins. above ground,
firmly set, marked with 6 notches on each edge,
12 S on NE.,
27 E on SE.,
13 S on SW., and
26 E on NW. faces; with a mound of stone,
south of corner.

Retracement of North bdy. of Township 13 South, Range 27 East. 5.

Chains,

True course and distance of this mile is therefore, N. 89° 57' W., 78.93 chs. June 12, 1914.

Part of Retracement of East bdy. of Township 13 South, Range 27 E.

39.48 June 13, 1914: At 7h, 45m. a.m., l.m.t., I set off 32° 16' N. on the lat. arc; 23° 12' N. on the decl. arc; and determine with the solar a meridian at the original cor. of secs. 19, 24, 25 and 30, hereinbefore described. Thence I run, South, on a random line, bet. secs. 25 and 30. Fall 18 lks. west of the original 1/4 sec. cor., a post 4 ins. sq., protruding 3 ft. from a mound of stone, marked 1/4 S on W. face; Therefore, the true course and dist. of this half mile is S. 0° 15' E., 39.48 chs.

39.17 Thence I run, South, on a random line, bet. secs. 25 and 30, on south half mile. Fall 7 lks. west of the original cor. of secs. 25, 30, 31 and 36, a post 4 ins. square, protruding 2 ft. from a mound of stone, marked and witnessed, as described by the Surveyor General. Therefore, the true course and distance of this half mile is S. 0° 6' W., 39.17 chs.

40.00 Thence I run, South, on a random line, bet. secs. 31 and 36. No corner found; set temp. 1/4 sec. cor. June 13, 1914.

82.19 June 15, 1914. Fall 129 lks. west of the original corner of Ts. 13 and 14 S., Rs. 27 and 28 E., which is a post 4 ins. sq., protruding 3 ft. from a mound of stone, marked and witnessed as described by the Surveyor General. True course and dist. of this mile is therefore S. 0° 54' E., 82.20 chs. June 15, 1914.

Resurvey of part of the East bdy. of T. 13 S., R. 27 East.

1.05 June 30, 1914: From the reestablished cor. of Ts. 12 and 13 S., Rs. 27 and 28 E., hereinbefore described, I run, S. 0° 15' W., on a true line, on west bdy of sec. 6, of T. 13 S., R. 28 E. Over gently rolling land, through scattering undergrowth. Center of S.P. Railroad, brs. N. 75° W., and S. 75° E. 1.74 Telegraph line, brs. same as R.R. 2.65 Wire fence brs. same as R.R. 40.08 Point for the original 1/4 sec. cor., hereinbefore described, where I now set an iron post 3 ft. long, 1 in. in diam, 26 ins. in ground, for reestablished 1/4 sec. cor. to sec. 6 of T. 13 S., R. 28 E., marked on brass cap, 1914 on S. rim, S 1 on W., and 1/4 S 6 on E. half; dig pits 18x18x12 ins., N. and S of post, 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, E. of cor.

6. Resurvey of part of the East bdy of Township 13 S., R. 27 E.

Chains.

Thence I run,
 S.0°6'W., on a true line, on south half of west bdy. of
 sec. 6., T. 13 S., R. 28 E.
 39.95 Wagon road, brs. E. and W.
 40.17 The point for original cor. of secs. 1, 6, 7 and 12, herein-
 before described, where I now set an iron post, 3 ft.
 long, 3 ins. in diam., 24 ins. in the ground, for the
 reestablished cor. of secs. 6 and 7, T. 13 S., R. 28 E.,
 marked on brass cap,
 1914 on S. rim,
 T 13 S in N., and
 S 1, S 12 R 27 E in W. half;
 S 6 in NE., and
 R 28 E S 7 in SE. quadrant;
 dig pits 24x24x12 ins. in each sec. 6 ft. dist., and
 raise a mound of earth, 4 ft. base, 2 ft. high, east of
 cor.
 F. H. Hachheim's cabin, brs. SW. about 150 lks. dist.
 Land, gently rolling.
 Soil, sandy loam, and gumbo, 1st and 2nd rate.
 No timber.
 Undergrowth, scattering mesquite and cacti.

S.0°3'E., on a true line, on west bdy. of sec. 7, T. 13 S.,
 R 28 E.
 Over gently rolling land, through dense undergrowth.
 36.00 Wash, 20 lks. wide, 18 ins. deep, course E.
 40.00 Wagon road, brs. E. and W., to Bowie Junction.
 40.42 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
 the ground, for reestablished $\frac{1}{4}$ sec. cor., to sec. 7,
 T. 13 S., R. 28 E., marked on brass cap,
 1914 on S. rim,
 S 12 on W., and
 $\frac{1}{4}$ S 7 on E. half;
 dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist.,
 and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
 east of cor.
 43.40 Old wagon road brs. E and W.
 47.15 Wagon brs. NE and SW.
 50.00 J. M. Keith's cabin brs. West, about 8.00 chs. dist.
 50.50 Wash, 60 lks. wide, 1 ft. deep, course East.
 80.84 Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in
 the ground, for the reestablished corner of secs. 7
 and 18, T. 13 S., R. 28 E., marked on brass cap,
 1914 on S. rim,
 T 13 S in N., and
 S 12 S 13 R 27 E in W. half;
 S 7 R 28 E in NE., and
 S 18 in SE. quadrant;
 dig pits 24x24x12 ins. in each sec. 6 ft. dist., and
 raise a mound of earth 4 ft. base, $1\frac{1}{2}$ ft. high, east
 of corner.
 Land, gently rolling.
 Soil, sandy loam and gumbo, 1st and 2nd rate.
 No timber.
 Undergrowth, dense mesquite and catclaw.

S.0°3'E., on a true line, on west bdy of sec. 18, T. 13 S.,
 R 28 E.
 Over rolling land, through dense undergrowth.
 14.70 Wash, 30 lks. wide, 3 ft. deep, course NE.
 32.70 Wash, 30 lks. wide, 3 ft. deep, course NE.
 37.20 Wash, 40 lks. wide, 3 ft. deep, course NE.
 40.42 The point for original $\frac{1}{4}$ sec. cor., hereinbefore described,
 where I now set an iron post 3 ft. long, 1 in. in diam.,
 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. to sec. 18, T. 13
 S., R. 28 E., marked on brass cap,

Resurvey of part of the East bdy. of Township 13 S., R. 27 E., T. 7.

Chains.

1914 on S. rim,
 S 13 on W., and
 $\frac{1}{4}$ S 18 on E. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, east
 of corner. Pits impracticable.
 Thence I run,
 S. $0^{\circ}4'$ E., on a true line, on S. $\frac{1}{2}$ of west bdy. of sec. 18,
 T. 13 S., R. 28 E.
 6.90 Wash, 60 lks. wide, 6 ft. deep, course NE.
 12.90 Wash, 20 lks. wide, 2 ft. deep, course NE.
 20.40 Wash, 20 lks. wide, 1 ft. deep, course NE.
 40.25 The point for the original cor. of secs. 13, 18, 19 and 24,
 hereinbefore described, where I now set an iron post
 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for
 the reestablished cor. of secs. 18 and 19, T. 13 S., R. 28
 E., marked on brass cap,
 1914 on S. rim,
 T 13 S in N. and
 S 13 S 24 R 27 E in W. half;
 R 28 E S 18 in NE., and
 S 19 in SE. quadrant;
 dig pits 24x24x12 ins. in each sec. 6 ft. dist., and
 raise a mound of earth 4 ft. base, 2 ft. high, east
 of cor.
 Land, rolling.
 Soil, sandy loam and gumbo, 1st and 2nd rate.
 No timber.
 Undergrowth, dense mesquite and catclaw.
 June 30, 1914.

June 23, 1914:
 S. $0^{\circ}7'$ W., on a true line, on west bdy. of sec. 19, T. 13 S.,
 R 28 E.
 Over rolling land, through dense undergrowth.
 5.10 Wagon road, brs. NE. and SW.
 40.14 The original $\frac{1}{4}$ sec. cor. hereinbefore described. I reset
 same stone with the marks to the east, for reestab-
 lished $\frac{1}{4}$ sec. cor. to sec. 19, T. 13 S., R. 28 E.; dig pits
 18x18x12 ins., N. and S. of stone 3 ft. dist., and raise
 a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, east of cor.
 Thence I run,
 S. $0^{\circ}10'$ E., on a true line, on south $\frac{1}{2}$ of west bdy of sec.
 19, T. 13 S., R. 28 E.
 5.50 Wash, 15 lks. wide, 4 ft. deep, course NE.
 36.00 Foot of mountain, brs. E. and W.; ascend NE. slope, 100 ft. to
 40.11 The original corner of secs. 19, 24, 25 and 30, hereinbefore
 described. I change this cor. to refer to secs. 19 and
 30, T. 13 S., R. 28 E. by destroying marks referring
 to secs. 24 and 25 on the west, and raise a mound of
 stone 2 ft. base, $1\frac{1}{2}$ ft. high, east of cor.
 Land, rolling and mountainous.
 Soil, sandy loam and gumbo, 1st and 4th rate; south 4
 chs. very rocky.
 No timber.
 Undergrowth, dense mesquite and catclaw.
 June 23, 1914.

From the original cor. of secs. 25, 30, 31 and 36, Ts. 13 S.,
 Rs. 27 and 28 E. hereinbefore described, I change this
 cor. to refer to secs 30 and 31, T. 13 S., R. 28 E., by
 destroying all marks referring to secs. 25 and 36 on
 the west, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft.
 high, east of cor.
 Thence I run,
 S. $0^{\circ}54'$ E., on a true line, on west bdy. of sec. 31, T. 13 S.,
 R. 28 E.

8. Resurvey of part of the E. bdy. of Township 13 S., R. 27 E.

Chains.

- Along rolling, rocky east slope, through dense undergrowth and scattering timber.
- 7.45 Rocky spur, slopes east; descend SE. slope.
- 25.00 Draw, course east.
- 39.50 Draw, course east, 700 ft. below rocky spur; ascend NE. slope, 100 ft.
- 41.10 Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground, on bedrock, supported by a mound of stone for reestablished $\frac{1}{4}$ sec. cor., to sec. 31, T. 13 S., R. 28 E., marked on brass cap,
 1914 on S. rim,
 S 36 on W., and
 $\frac{1}{4}$ S 31 on E. half; from which,
 An oak, 8 ins. in diam., brs. S. 47° E., 37 lks. dist. marked $\frac{1}{4}$ S 31 BT.
 An oak, 14 ins. in diam., brs. S. 67° W., 17 lks. dist., marked S 36 B T.
- 46.00 Spur, slopes east; descend SE. slope, 150 ft. to
- 53.50 Rocky gulch, course NE.; ascend N. slope.
- 60.00 Ascend NE. slope.
- 70.00 Draw, course NE.
- 77.10 Rocky spur, slopes NE., 650 ft. above gulch; thence over rolling, rocky east slope.
- 80.00 Draw, course NE.; ascend NW. slope, 25 ft.
- 82.20 The original cor. of Ts. 13 and 14 S., Rs. 27 and 28 E. hereinbefore described. I now change this corner to refer to T. 13 S., R. 28 E. only, by destroying all marks referring to Ts. on the W. and S.; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, NE. of cor. Pits impracticable. Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, scattering oak and cedar.
 Undergrowth, dense scrub oak, catclaw and cacti.
 July 20, 1914.

Resurvey of the North bdy. of Township 13 South, Range 27 E.

- June 30, 1914.
- From the reestablished cor. of Ts. 12 and 13 S., Rs 27 and 28 E., hereinbefore described, I run,
 S. 89° 41' W., on a true line, on south bdy. of sec. 36, T. 12 S., R. 27 E.
- 3.88 Over gently rolling land, through scattering undergrowth.
 Center of S. P. Railroad, brs. N. 75° W., and S. 75° E.
- 63.35 Telegraph line, bears same as railroad.
- 9.75 Wire fence brs. same as R. R.
- 40.11 To point for original $\frac{1}{4}$ sec. cor., hereinbefore described, where I now set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor., to sec. 36, T. 12 S., R. 27 E., marked on brass cap,
 1914 on S. rim,
 $\frac{1}{4}$ S 36 on N., and
 S 1 on S. half;
 dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of corner.
 Thence I run,
 N. 89° 57' W., on a true line, on west half of south bdy. of sec. 36, T. 12 S., R. 27 E.
- 40.16 The point for the original cor. of secs. 1, 2, 35 and 36, hereinbefore described, where I now set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for the reestablished cor. of secs. 35 and 36, T. 12 S., R. 27 E., marked on brass cap,

Resurvey of North bdy. of Township 13 S., Range 27 East. 9.

Chains.

1914 on S. rim,
T 12 S in N.,
S 1 S 2 T 13 S in S., and
R 27 E in W. half;
S 35 in NW., and
S 36 in NE. quadrant;

dig pits 24x24x12 ins., in each sec. 6 ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high, north
of cor.

Land, gently rolling.

Soil, sandy loam and gumbo, 1st and 2nd rate,
No timber.

Undergrowth, scattering mesquite.

N. 89° 58' W., on a true line on S. bdy. of sec. 35, T. 12 S., R.
27 E.

40.14 Over gently rolling land, through scattering undergrowth.
The point for original $\frac{1}{4}$ sec. cor., hereinbefore described,
where I now set an iron post, 3 ft. long, 1 in. in diam.,
26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor.,
to sec. 35, T. 12 S., R. 27 E., marked on brass cap,

1914 on S. rim,
 $\frac{1}{4}$ S 35 on N., and
S 2 on S. half;

dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist.,
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.
of corner.

Thence I run,

N. 89° 57' W., on a true line, on west half of south bdy.
of sec. 35, T. 12 S., R. 27 E.

4.00 Draw, 400 lks. wide, 20 ft. deep, course north.

40.13 The point for the original cor. of secs. 2, 3, 34 and 35,
hereinbefore described, where I now set an iron post,
3 ft. long, 3 ins. in diam., 24 ins. in the ground, for
the reestablished cor. of secs. 34 and 35, T. 12 S., R.
27 E., marked on brass cap,

1914 on S. rim,
T 12 S in N.,
S 2, S 3 T 13 S in S., and
R 27 E in W. half;
S 34 in NW., and
S 35 in NE. quadrant;

dig pits, 24x24x12 ins., in each sec. 6 ft. dist., and
raise a mound of earth, 4 ft. base, 2 ft. high, north of
cor.

Land, gently rolling.

Soil, sandy loam and gumbo, 1st and 2nd rate.

No timber.

Undergrowth, scattering mesquite.

June 30, 1914.

July 18, 1914:

N. 89° 58' W., on a true line, on south bdy. of sec. 34, T. 12
S., R. 27 E.

40.14 Over gently rolling land, through scattering undergrowth.
The point for original $\frac{1}{4}$ sec. cor., hereinbefore described
where I now set an iron post, 3 ft. long, 1 in. in diam.,
26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor., to
sec. 34, T. 12 S., R. 27 E., marked on brass cap,

1914 on S. rim,
 $\frac{1}{4}$ S 34 on N., and
S 3 on S. half;

dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.,
and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
north of cor.

10. Resurvey of North bdy. of Township 13 South, Range 27 E.

Chains.

40.16 Thence I run,
 S.89° 58' W., on a true line, on west half of south bdy. of
 sec. 34, T.12 S., R.27 E.
 The original cor. of secs. 3, 4, 33 and 34, hereinbefore de-
 scribed; as this stone is too small, at the same place
 I set an iron post, 3 ft. long, 3 ins. in diam., 24 ins.
 in the ground, for the reestablished cor. of secs. 33 and
 34, T.12 S., R.27 E., marked on brass cap,
 1914 on S. rim,
 T 12 S on N.,
 S 3, S 4 T 13 S in S., and
 R 27 E in W. half;
 S 33 in NW., and
 S 34 in NE. quadrant;
 dig pits, 24x24x12 ins. in each sec. 6-ft. dist., and
 raise a mound of earth, 4 ft. base, 2 ft. high, north of
 corner.
 Land, gently rolling.
 Soil, sandy loam and gumbo, 1st and 2nd rate.
 No timber.
 Undergrowth, scattering mesquite.

1.40 S.89° 58' W., on a true line, on south bdy. of sec. 33, T.12
 S., R.27 E.
 Over rolling land, through scattering undergrowth.
 Draw, 150 lks. wide, 12 ft. deep, course NE.
 40.13 The point for original $\frac{1}{4}$ sec. cor., hereinbefore described,
 where I now set an iron post 3 ft. long, 1 in. in diam.,
 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor., to
 sec. 33, T.12 S., R.27 E., marked on brass cap,
 1914 on S. rim,
 $\frac{1}{4}$ S 33 on N., and
 S 4 on S. half;
 dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist.,
 and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
 north of cor.

40.12 Thence I run,
 N.89° 57' W., on a true line, on west half of S. bdy. of
 sec. 33, T.12 S., R.27 E.
 (Proportional distance). Set an iron post 3 ft. long, 3
 ins. in diam., 24 ins. in the ground, for the reestab-
 lished cor. of secs. 32 and 33, T.12 S., R.27 E., marked
 on brass cap,
 1914 on S. rim,
 T 12 S in N.,
 S 4, S 5, T 13 S in S., and
 R 27 E in W. half;
 S 32 in NW., and
 S 33 in NE. quadrant;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, north
 of corner. Pits impracticable.
 Land, rolling.
 Soil, sandy loam and gumbo, 1st and 2nd rate,
 No timber.
 Undergrowth, scattering mesquite and catclaw.
 July 18, 1914.

June 15, 1914.
 N.89° 57' W., on a true line, on south bdy. of sec. 32, T.12
 S., R.27 E.
 Over rolling land, through scattering undergrowth.
 1.00 Wash, 20 lks. wide, 1 ft. deep, course NE.
 27.00 Gold Gulch wash, 150 lks. wide, 2 ft. deep, course NE.

Resurvey of the North bdy. of Township 13 South, Range 27 E. 11.

Chains.

40.12 (Proportional distance) Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. to sec. 32, T. 12 S., R. 27 E., marked on brass cap,
 1914 on S. rim,
 $\frac{1}{4}$ S 32 on N., and
 S 3 in S. half;
 dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

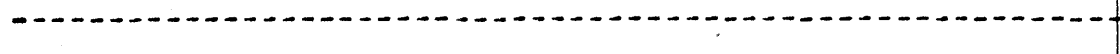
50.00 Wash, 20 lks. wide, 1 ft. deep, course N.

52.35 Wagon road brs. NE and SW.

72.70 Wagon road, brs. NE and SW.

80.24 The original cor. of secs. 5, 6, 31 and 32. As stone is too small, I replace it with an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for the reestablished cor. of secs. 31 and 32, T. 12 S., R. 27 E., marked on brass cap,
 1914 on S. rim,
 T 12 S in N.,
 S 5, S 6 T 13 S in S., and
 R 27 E in W. half;
 S 31 in NW., and
 S 32 in NE. quadrant;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, north of cor. Pits impracticable.

Land, rolling.
 Soil, sandy loam and gumbo, gravelly, 1st and 2nd rate.
 No timber.
 Undergrowth, scattering mesquite and catclaw.
 June 15, 1914.



July 14, 1914.
 N. 89° 57' W., on a true line, on S. bdy. of sec. 31, T. 12 S., R. 27 E.

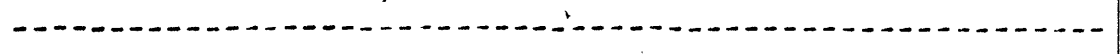
12.00 Over rolling land, through scattering undergrowth. Wash, 30 lks. wide, 10 ins. deep, course NE.

40.15 (Proportional distance). Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor., to sec. 31, T. 12 S., R. 27 E., marked on brass cap,
 1914 on S. rim,
 $\frac{1}{4}$ S 31 on N., and
 S 6 on S. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of corner. Pits impracticable.

57.50 Wash, 50 lks. wide, 4 ft. deep, course NE.

78.93 The original cor. of Ts. 12 and 13 S., Rs. 26 and 27 E. here- in before described. I change this cor. to cor. of Ts. 12 S., Rs. 26 and 27 E. by destroying all marks referring to townships on the south, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, north of cor. Pits impracticable.

Land, rolling.
 Soil, sandy loam and gumbo, gravelly, 1st and 3rd rate.
 No timber.
 Undergrowth, scattering mesquite and catclaw.
 July 14, 1914.



12. Resurvey of the North bdy of Township 13 South, Range 27 E.

Chains.

July 10, 1904.

Boundaries of Township 13 South, Range 27 East.
Latitudes, departures and closing errors.

Line designated.	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South bdy.,	West,	475.32				475.32
West bdy.,	North,	477.68	477.68			
North bdy.,	S. 89° 57' E.	273.13		.24	273.13	
	N. 89° 58' E.	80.29	.05		80.29	
	S. 89° 58' E.	80.28		.05	80.28	
	N. 89° 41' E.	40.11	.22		40.11	
East bdy.,	S. 0° 15' W.	40.08		40.08		.18
	S. 0° 6' W.	79.34		79.34		.14
	S. 0° 3' E.	121.26		121.26	.10	
	S. 0° 4' E.	40.25		40.25	.05	
	S. 0° 7' W.	40.14		40.14		.08
	S. 0° 10' E.	40.11		40.11	.12	
	S. 0° 15' E.	39.48		39.48	.17	
	S. 0° 54' E.	77.50		77.49	1.22	
Convergency,					.45	
Totals,-----			477.95	478.44	475.92	475.72
Error in latitude-----				477.95	475.72	
Error in departure,-----				0.49		0.20

Chains

- Survey commenced June 22, 1914, and executed with a Young and Sons' light mountain transit, No. 8541. For description of this instrument and Certificate of Approval, see Book "A."
- July 6, 1914: At 9h. 15m. a.m., l.m.t., I set off $32^{\circ} 15'$ N. on the lat. arc; $22^{\circ} 45'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32, on south bdy. of Tp., established by me, as described in Book "A."
- Thence I run,
 $N. 0^{\circ} 1' E.$, bet. secs. 31 and 32.
 Through scattering timber and undergrowth.
 Ascend steep rocky east slope, 45 ft. to
 2.00 Rocky point; descend rocky east slope, 105 ft. to
 12.00 Ridge, brs. $N. 20^{\circ} E.$ and $S. 20^{\circ} W.$; descend rolling rocky NW.
 slope, 550 ft.
 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,
 1914 on S. rim,
 $\frac{1}{4}$ S 31 on W., and
 S 32 on E. half; from which,
 An oak, 14 ins. in diam., brs. $N. 88^{\circ} E.$, 64 lks.
 dist., marked $\frac{1}{4}$ S 32 B T.
 An oak, 9 ins. in diam., brs. $N. 63\frac{1}{2}^{\circ} W.$, 55 lks.
 dist., marked $\frac{1}{4}$ S 31 B T.
 40.55 Gulch, course W.; ascend south slope, 45 ft. to
 44.00 Spur, slopes west; descend N. slope, 110 ft. to
 50.00 Gulch, course west; ascend south slope, 50 ft. to
 56.00 Ridge, brs. E and W.; descend north slope, 125 ft. to
 62.50 Gulch, course W.; ascend south slope, 110 ft. to
 72.00 Spur, slopes west; descend N. slope, 100 ft. to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in
 the ground, on bedrock, supported by a mound of stone
 for the cor. of secs. 29, 30, 31 and 32, marked on brass
 cap,
 1914 on S. rim,
 T 13 S S 30 in NW.,
 R 27 E S 29 in NE.,
 S 32 in SE., and
 S 31 in SW. quadrant; from which,
 An oak, 8 ins. in diam., brs. $S. 31\frac{1}{2}^{\circ} E.$, 148 lks.
 dist., marked T 13 S R 27 E S 32 B T.
 An oak, 14 ins. in diam., brs. $N. 3^{\circ} W.$, 77 lks.
 dist., marked T 13 S R 27 E S 30 B T.
 No other trees within limits; raise a mound of stone 2 ft.
 base $1\frac{1}{2}$ ft. high, west of cor. Pits impracticable.
 Oliver Saner's house brs. $N. 37\frac{1}{2}^{\circ} W.$
 Note: At this cor., July 6, 1914, I set off $22^{\circ} 44'$ N. on
 the decl. arc; and at apparent noon, observe the sun on the
 the meridian; the resulting latitude is $32^{\circ} 16' N.$
 Land, mountainous.
 Soil, rocky, 4th rate, granite formation.
 Timber, scattering oak and juniper.
 Undergrowth, scattering, with patches of dense scrub oak,
 catclaw and mahogany brush.
-
- 40.00 West, on a random line, bet. secs. 30 and 31.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.34 Intersect the west bdy. of the Tp. 14 lks. north of the
 corner of secs. 25, 30, 31 and 36, established by me, as
 described in Book "A."
 Thence I run,
 $N. 89^{\circ} 54' E.$, on a true line, bet. secs. 30 and 31.
 Ascend SW. slope, through scattering timber and under-
 growth.
 3.70 Old wagon road, brs. NW and SE.
 16.75 Spur slopes south, continue along south slope.

14. Subdivision of Township 13 South, Range 27 East.

Chains.

- 18.70 Old wagon road, brs.N.and S.
 21.00 Ascend SW. slope.
 40.17 Set an iron post 3 ft.long, 1 in. in diam., 18 ins. in the ground, on bedrock, supported by a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,
 1914 on S.rim,
 $\frac{1}{4}$ S 30 on N., and
 S 31 on S.half; from which,
 An oak, 16 ins. in diam., brs.S.2 $\frac{1}{2}$ °W., 79 lks. dist., marked $\frac{1}{4}$ S 31 BT.
 An oak, 16 ins. in diam., brs.N.55 $\frac{1}{2}$ °W., 106 lks. dist., marked $\frac{1}{4}$ S 30 B T.
 Note: This $\frac{1}{4}$ sec.cor. is on a ridge, bearing NW. and SE., 750 ft. above sec.cor.; descend east slope, 160 ft.
 45.15 Old wagon road brs.N.and S.
 49.50 Draw, course SE.; ascend SW. slope, 35 ft. to
 54.00 Spur slopes south; descend SE. slope, 275 ft. to
 67.00 Gulch, course NE.; ascend NW. slope, 325 ft. to
 80.34 The cor.of secs.29,30,31 and 32.
 Land, mountainous.
 Soil, rocky, granite formation, 4th rate.
 Timber, scattering oak, cedar and juniper.
 Undergrowth, scattering, with patches of dense catclaw and scrub oak.

July 6, 1914.

- July 8, 1914: At 8h. a.m., l.m.t., I set off 32° 15 $\frac{1}{2}$ ' N. on the lat.arc; 22° 33' N. on the decl.arc; and determine a meridian with the solar at the cor.of secs. 29,30,31 and 32.
 Thence I run,
 N.0°1'E., bet. secs. 29 and 30.
 Through scattering timber and undergrowth.
 Descend NW. slope, 460 ft. to
 16.50 Foot of descent, brs. E.and W. Old wagon road brs.E.and W.
 20.00 Wash, 25 lks.wide, 3 ft. deep, course W.
 20.25 Ascend south slope.
 27.00 Ascend west slope.
 30.50 Draw, course SW.; ascend south slope.
 40.00 Set an iron post 3 ft.long, 1 in.in diam., 16 ins. in the ground, on bedrock, supported by a mound of stone for $\frac{1}{4}$ sec.cor., marked on brass cap,
 1914 on S.rim,
 $\frac{1}{4}$ S 30 on W., and
 S 29 on E.half; from which,
 An oak, 8 ins. in diam., brs.S.72°E., 73 lks. dist., marked $\frac{1}{4}$ S 29 BT.
 A cedar, 10 ins. in diam., brs.N.72°W., 77 lks. dist., marked $\frac{1}{4}$ S 30 B T.
 56.40 Ridge, brs. NW. and SE., 725 ft. above gulch 20 ch.point. Oliver Saner's house brs.S. 63°W., descend NE. slope, 200 ft. to
 69.50 Gulch, course NW.; continue along rolling west slope.
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for the cor.of secs.19,20,29 and 30, marked on brass cap,
 1914 on S.rim,
 T 13 S S 19 in NW.,
 R 27 E S 20 in NE.,
 S 29 in SE., and
 S 30 in SW.quadrant; from which,
 An oak, 4 ins. in diam., brs.N.72 $\frac{1}{2}$ °E., 81 lks. dist., marked T 13 S R 27 E S 20 B T.
 An oak, 12 ins. in diam., brs.S.30 $\frac{1}{2}$ °E., 118 lks.dist., marked T 13 S R 27 E S 29 B T.
 An oak, 14 ins. in diam., brs.S.6°W., 39 lks. dist., marked T 13 S R 27 E S 30 B T.

Subdivision of Township 13 South, Range 27 East. 15.

Chains.

An oak, 16 ins. in diam., brs.N.81°W., 215 lks. dist., marked T 13 S R 27 E S 19 B T.

Note: At this cor., July 8, 1914: I set off 22° 31½' N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 32° 16½' N.

Land, mountainous.
Soil, rocky, granite formation, 4th rate.
Timber, scattering oak and cedar.
Undergrowth, scattering with dense patches of scrub oak, catclaw, and mahogany brush.

S.89° 54' W., on a random line bet. secs.19 and 30.

40.00
80.24

Set temp. ¼ sec. cor.
Intersect the west bdy. of the township, 5 lks. north of the corner of secs. 19, 24, 25 and 30, established by me as described in Book "A."

Thence I run, N.89° 52' E., on a true line, bet. secs.19 and 30. Over rolling land, through scattering timber and undergrowth.

3.90
5.00
19.75
27.75
38.00

Wagon road, brs. NW. and SE.
Ascend broken SW. slope.
Wire fence brs. NE. and SW.
Draw, course south.
Spur ridge, slopes south, 825 ft. above cor.; continue along rolling rocky south slope.

40.12

Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, on bedrock, supported by a mound of stone, for ¼ sec. cor., marked on brass cap, 1914 on S. rim, ¼ S 19 on N., and S 30 on S. half; raise a mound of stone 2 ft. base, 1½ ft. high, north of cor. Pits impracticable.

47.00
63.30
72.50
80.24

Ridge, brs. NW. and SE.; descend NE. slope.
Draw, course NE.; continue along rolling north slope.
Gulch, course NW., 240 ft. below ridge; ascend west slope, 130 ft. to
The corner of secs. 19, 20, 29 and 30,
Land, mountainous.
Soil, rocky, granite formation, 4th rate.
Timber, scattering oak, juniper and cedar.
Undergrowth, scattering, with patches of dense catclaw and scrub oak.

July 8, 1914.

July 9, 1914: At 9h. a.m., l.m.t., I set off 32° 16½' N. on the lat. arc; 22° 25½' N. on the decl. arc; and determine a meridian with the solar at the corner of secs. 19, 20, 29 and 30.

Thence I run, N.0° 1' E., bet. secs. 19 and 20. Through scattering timber and undergrowth.

3.60
18.00
24.00
28.60
37.75
40.00

Ascend SW. slope, 110 ft. to
Granite spur, slopes west, 110 ft. above cor.; continue along rolling west slope; descending.
Descend north slope.
Gulch, course NW., 350 ft. below granite spur; ascend SW. slope, 80 ft. to
Spur, slopes NW.; descend NW. slope, 200 ft. to
Gulch, course NW.; ascend west slope, 140 ft.
Set an iron post 3 ft. long, 1 in. in diam., 10 ins. in the ground, on bedrock, supported by a mound of stone for ¼ sec. cor., marked on brass cap, 1914 on S. rim, ¼ S 19 on W., and S 20 on E. half; from which,

16. Subdivision of Township 13 South, Range 27 East.

Chains.

An oak, 18 ins. in diam., brs. S.44° E., 70 lks. dist., marked $\frac{1}{4}$ S 20 BT.
 An oak, 10 ins. in diam., brs. S.77° W., 67 lks. dist., marked $\frac{1}{4}$ S 19 B T.

48.55 Top of ascent; descend west slope.
 53.50 Draw, course NW.
 57.50 Canyon, course NE., 200 ft. below 48.55 ch. point; ascend east slope, 70 ft. to
 64.00 Top of ascent; descend east slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, on bedrock, supported by a mound of stone for the corner of secs. 17, 18, 19 and 20, marked on brass cap,
 1914 on S. rim,
 T 13 S S 18 in NW.,
 R 27 E S 17 in NE.,
 S 20 in SE., and
 S 19 in SW. quadrant; from which,
 An oak, 12 ins. in diam., brs. S.45 $\frac{3}{4}$ ° W., 218 lks. dist., marked T 13 S R 27 E S 19 B T.
 No other trees within limits; raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, west of corner. Pits impracticable.
 Land, mountainous.
 Soil, rocky, granite formation, 4th rate.
 Timber, scattering oak, juniper and cedar.
 Undergrowth, scattering, with patches of dense scrub oak, catclaw and mesquite.

Note: At the cor. of secs. 17, 18, 19 and 20, July 9, 1914, I set off 22° 24 $\frac{1}{2}$ ' N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting latitude is 32° 17 $\frac{1}{2}$ ' N.

Thence I run,
 S. 89° 52' W., on a random line, bet. secs. 18 and 19.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.17 Intersect the west bdy. of the Tp., 26 lks. north of the cor. of secs. 13, 18, 19 and 24, established by me, as described in Book "A."
 Thence I run,
 N. 89° 41' E., on a true line, bet. secs. 18 and 19.
 Over rolling land, through scattering timber and undergrowth.
 1.40 Gold Gulch wash, 20 lks. wide, 3 ft. deep, course NE.
 3.00 Wagon road, brs. N. and S.
 4.00 Ascend west slope of mountain.
 29.00 Spur ridge, slopes north, 540 ft. above wash; descend over rolling north slope.
 40.085 Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in the ground, on bedrock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1914 on S. rim,
 $\frac{1}{4}$ S 18 on N., and
 S 19 on S. half;
 raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, north of corner. Pits impracticable.
 44.50 Draw, course north.
 58.65 Gulch, course NE.
 80.17 The cor. of secs. 17, 18, 19 and 20, 450 ft. below spur.
 Land, mountainous.
 Soil, rocky, granite formation, 4th rate.
 Timber, scattering oak and cedar.
 Undergrowth, scattering with patches of dense scrub oak, catclaw, mahogany and mesquite.

July 9, 1914.

Subdivision of Township 13 South, Range 27 East, 17.

Chains.

July 14, 1914: At 7h. 15m. a.m., l.m.t., I set off $32^{\circ} 17\frac{1}{2}'$ N. on the lat. arc; $21^{\circ} 47'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20.

Thence I run,
 $N. 0^{\circ} 1' E.$, bet. secs. 17 and 18.
 Through scattering undergrowth; descend north slope, 125 ft. to

9.85 Gulch, course NW.; foot of mountain, brs. west and NE.; continue over rolling land, slopes north.

25.25 Wash, 50 lks. wide, 5 ft. deep, course NE.

28.60 Same wash, course NW.

36.20 Dim wagon road, brs. NW. and SE.

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,
 1914 on S. rim,
 $\frac{1}{4}$ S 18 on W., and
 S 17 on E. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, west of cor.
 Pits impracticable.
 Mrs. C.H. Curtis' house brs. $N. 36^{\circ} W.$

62.80 Wagon road brs. NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 7, 8, 17 and 18, marked on brass cap,
 1914 on S. rim,
 T 13 S S 7 in NW.,
 R 27 E S 8 in NE.,
 S 17 in SE., and
 S 18 in SW. quadrant;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, west of corner. Pits impracticable.
 Land, mountainous and rolling.
 Soil, 1st half mile rocky, granite formation, 4th rate; last half mile, sandy loam and gumbo, gravelly, 1st and 2nd rate.
 No timber.
 Undergrowth, scattering, with patches of dense catclaw and mesquite.

S. $89^{\circ} 41'$ W., on a random line, bet. secs. 7 and 18.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.15 Intersect the W. bdy. of the Tp, 7 lks. S. of the cor. of secs. 7, 12, 13 and 18, established by me, as described in Book "A."

Thence I run,
 $N. 89^{\circ} 44' E.$, on a true line, bet. secs. 7 and 18.
 Over rolling land, through scattering undergrowth.

5.35 Wagon road brs. NE. and SW.

31.15 Gold Gulch wash, 170 lks. wide, 18 ins. deep, course NE.

35.20 Well, 20 lks. south, belongs to S.F. Mitchell.

37.60 Wagon road brs. NE. and SW.

40.075 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the ground, on hardpan, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1914 on S. rim,
 $\frac{1}{4}$ S 7 on N., and
 S 18 on S. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, north of corner. Pits impracticable.
 S. F. Mitchell's house, brs. $S. 32\frac{1}{2}^{\circ} W.$
 Lizzie Mitchell's house, brs. $N. 7^{\circ} E.$
 Wesley Beckton's house, brs. $N. 14\frac{1}{2}^{\circ} E.$

47.90 Wagon road, brs. NE. and SW.

59.60 Wagon road, brs. N. and S.

64.00 Spur ridge, brs. NE. and SW., 50 ft. high.
 Mrs. C.H. Curtis' house, brs. $S. 14\frac{1}{2}^{\circ} E.$

18. Subdivision of Township 13 South, Range 27 East.

Chains.

71.10 S. F. Mitchell's house, brs. S. $65\frac{1}{2}^{\circ}$ W.
 76.85 Lizzie Mitchell's house, brs. N. $34\frac{1}{2}^{\circ}$ W.
 80.15 Wesley Beckton's house, brs. N. 13° W.
 Wash, 10 lks. wide, 2 ft. deep, course N.
 Dim wagon road, brs. NW. and SE.
 The cor. of secs. 7, 8, 17 and 18.
 Land, rolling.
 Soil, sandy loam, and gumbo, gravelly, 1st and 2nd rate.
 Timber, scattering ash and sycamore along Gold Gulch wash.
 Undergrowth, scattering with patches of dense catclaw and mesquite.

112.55 N. 0° 1' E., bet. secs. 7 and 8.
 14.80 Over rolling land, through scattering undergrowth.
 25.75 Wagon road, brs. E and W.
 30.00 Wash, 30 lks. wide, 2 ft. deep, course NE.
 40.00 Wagon road, brs. NE and SW.
 Dim wagon road, brs. E and W.
 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,
 1914 on S. rim,
 $\frac{1}{4}$ S 7 on W., and
 S 8 on E. half;
 dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of corner.
 53.75 Wash, 10 lks. wide, 1 ft. deep, course NE.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the corner of secs. 5, 6, 7 and 8, marked on brass cap,
 1914 on S. rim,
 T 13 S S 6 in NW.,
 R 27 E S 5 in NE.,
 S 8 in SE., and
 S 7 in SW. quadrant;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, west of corner. Pits impracticable.
 Bert Parkhurst's house, brs. N. 45° W., from this corner.
 Land, rolling.
 Soil, sandy loam and gumbo, gravelly, 1st and 2nd rate.
 No timber.
 Undergrowth, scattering, with patches of dense catclaw and mesquite.
 Note: Clouds obscure the sun at noon this day, rendering an observation for latitude impossible.

4400.00 S. 89° 44' W., on a random line, bet. secs. 6 and 7.
 80.12 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect the West bdy. of the Tp., 14 lks. south of the corner of secs. 1, 6, 7 and 12, established by me, as described in Book "A."
 Thence I run,
 N. 89° 50' E., on a true line, bet. secs. 6 and 7.
 7.70 Over rolling land, through scattering undergrowth.
 14.00 Wash, 30 lks. wide, 2 ft. deep, course N.
 29.80 Spur ridge, 70 ft. high, brs. NE and SW.
 40.06 Wash, 10 lks. wide, 1 ft. deep, course NE.
 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,
 1914 on S. rim,
 $\frac{1}{4}$ S 6 on N., and
 S 7 on S. half;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, north of corner. Pits impracticable.

Subdivision of Township 13 South, Range 27 East. 19.

Chains.

44.00 Dim wagon road, brs.NE and SW.
 47.00 Bert Parkhurst's house, brs.N.54°E.
 49.00 Dim wagon road, brs.NE. and SW.
 53.00 Gold Gulch Wash, 110 lks.wide, 2 ft. deep, course NE.
 55.10 Wash, 20 lks.wide, 2 ft. deep, course NE.
 59.00 Wash, 15 lks.wide, 3 ft. deep, course NE.
 62.00 Wash, 10 lks.wide, 2 ft. deep, course NE.
 67.85 Dim wagon road, brs. NE and SW.
 80.12 The cor.of secs.5,6,7 and 8.
 Land, rolling.
 Soil, sandy loam, and gumbo, gravelly, 1st and 2nd rate.
 Timber, scattering ash and sycamore along Gold Gulch Wash.
 Undergrowth, scattering with patches of dense catclaw, greasewood, mesquite and cacti.

22.40
34.75
40.00

Knowing from the closing of the west boundary of this township, that closing corners will be necessary along the north bdy., I run,
 N.0°1'E., on a true line, bet. secs.5 and 6.
 Over rolling land, through scattering undergrowth.
 Wash, 10 lks.wide, 2 ft.deep, course NE.
 Gold Gulch Wash, 60 lks.wide, 5 ft.deep, course NE.
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.in the ground, for 1/4 sec.cor., marked on brass cap,
 1914 on S. rim,
 1/2 S 6 on W., and
 S 5 on E.half;
 raise a mound of stone 2 ft.base, 1 1/2 ft. high, west of corner. Pits impracticable.

500.00
77.15
77.47

Wagon road, brs.NE and SW.
 Wagon road, brs.NE and SW.
 Intersect the north bdy.of the Tp., S.89°57'E., 766 lks. dist., from the reestablished cor.of secs. 31 and 32, T.12 S., R.27 E., hereinbefore described in my notes of Resurvey of N.bdy.of T.13 S., R.27 E. At point of intersection, set an iron post 3 ft.long 2 ins. in diam., 24 ins. in the ground, for closing cor.of secs.5 and 6, marked on brass cap,
 1914 on S rim,
 C C S of center,
 T 12 S S 31 S 32 in N.,
 T 13 S in S., and
 R 27 E in W.half;
 S 5 in SE., and
 S 6 in SW quadrant;
 raise a mound of stone 2 ft.base, 1 1/2 ft. high, south of corner. Pits impracticable.
 Land, rolling.
 Soil, sandy loam, and gumbo, gravelly, 1st and 2nd rate.
 Timber, scattering ash and sycamore along Gold Gulch Wash.
 Undergrowth, scattering, with patches of dense catclaw and mesquite.

July 14, 1914.

July 7, 1914: At 9h.10m. a.m., l.m.t., I set off 32°15' N.on the lat.arc; 22°39' N.on the decl.arc; and determine with the solar a meridian at the cor.of secs. 4,5,32 and 33, on south bdy.of Tp., established by me, and described in Book "A."
 Thence I run,
 N.0° 1'E., bet. secs. 32 and 33.
 Descend NW. slope, through scattering timber and undergrowth.

20. Subdivision of Township 13 South, Range 27 East.

Chains

- 4.00 Head of gulch, course NE.; descend east. slope.
 13.75 Ridge, slopes NE. and SW., 170 ft. below sec.cor.; descend north slope, 400 ft.to
 32.00 Gulch, course NW., 400 ft. below ridge; ascend SW. slope.
 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, 1914 on S.rim, $\frac{1}{4}$ S 32 on W., and S 33 on E-half; from which,
 An oak, 10 ins. in diam., brs.N.23 $\frac{1}{2}$ °E., 116 lks. dist., marked $\frac{1}{4}$ S 33 B T.
 An oak, 12 ins. in diam., brs.N.53°W., 128 lks. dist., marked $\frac{1}{4}$ S 32 B T.
- 41.25 H. Saner's house, brs.N.65°W.
 42.00 Spur, slopes NW., 160 ft.above gulch; descend N. slope, 70 ft. to
 48.00 Gulch, course W.; ascend south slope, 275 ft.to
 61.00 Spur slopes west; descend NW. slope, 120 ft.to
 67.00 Gulch, course SW.; ascend SE. slope, 380 ft.to
 78.00 Rocky ridge, brs .E and NW.; a spur slopes SW.
 H. Saner s house brs.S.22°W. Descend NE' slope, 25 ft.to
 80.00 Set an iron post 3 ft.long, 2 ins in diam., 24 ins. in the ground, for the cor.of secs.28,29,32 and 33, marked on brass cap, 1914 on S.rim, T 13 S S 29 in NW., R 27 E S 28 in NE., S 33 in SE., and S 32 in SW. quadrant; from which,
 An oak, 16 ins. in diam., brs.N.83 $\frac{1}{2}$ °E., 223 lks. dist., marked T 13 S R 27 E S 28 B T.
 An oak, 10 ins. in diam., brs.S.35°E., 148 lks. dist., marked T 13 S R 27. E S 33 BT.
- No other trees within limits; raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft. high, west of corner. Pits impracticable.
- Note: At this corner, July 7, 1914, I set off 22°38'N. on the decl.arc; and at apparent noon, observe the sun on the meridian; the resulting latitude is 32° 16' N.
- Land, mountainous.
 Soil, rocky, granite formation, 4th rate,
 Timber, scattering oak and juniper.
 Undergrowth, scattering scrub oak, catclaw and mesquite.
-
- 40.00 West, on a random line, bet. secs.29 and 32.
 Set temp. $\frac{1}{4}$ sec.cor.
 79.72 Intersect N.and S. line, 23 lks.north of the cor.of secs. 29,30,31 and 32.
 Thence I run,
 N.89°50'E., on a true line, bet. secs. 29 and 32.
 Through scattering timber and undergrowth.
 2.00 Ascend NW. slope, 15 ft.to
 2.00 Spur, slopes north; descend NE. slope, 150 ft.to
 13.00 Draw, course N.; ascend NW. slope, 35 ft.to
 15.50 Spur, slopes N.; descend NE. slope, 75 ft.to
 19.50 Draw, course N.; ascend west slope, 30 ft.to
 21.00 Spur, slopes north; descend NE. slope 260 ft.to
 32.00 Foot of descent, brs.NW. and SE.
 33.50 Old wagon road, brs.NW. and SE.
 37.30 Wash, 40 lks.wide, 4 ft. deep, course NW.
 38.00 Ascend SW. slope, 200 ft.
 39.86 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, 1914 on S.rim, $\frac{1}{4}$ S 29 on N., and S 32 on S.half; from which,

Subdivision of Township 13 South, Range 27 East. 21.

Chains.

An oak, 10 ins. in diam., brs.S.26 $\frac{1}{2}$ °W., 55 lks. dist., marked $\frac{1}{4}$ S 32 B T.
 An oak, 10 ins. in diam., brs.N.64°W., 49 lks. dist., marked $\frac{1}{4}$ S 29 BT.

48.50 Spur, slopes SW.; descend SE. slope, 75 ft. to
 54.00 Draw, course S.; ascend SW. slope, 540 ft. to
 78.50 Rocky ridge, brs.NW. and SE.; descend NE. slope, 6 ft. to
 79.72 The cor. of secs. 28, 29, 32 and 33.
 Land, mountainous.
 Soil, rocky, granite formation, 4th rate.
 Timber, scattering oak and cedar.
 Undergrowth, scattering with patches of dense scrub oak, and mahogany.

July 8, 1914.

July 10, 1914: At 9h. 15m., a.m., l.m.t., I set off 32° 15 $\frac{1}{2}$ ' N. on the lat. arc 22° 18 $\frac{1}{2}$ ' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 28, 29, 32 and 33.
 Thence I run,
 N.0°1'E., bet. secs. 28 and 29.
 Through scattering timber and undergrowth; descend north slope, 360 ft. to
 17.50 Gulch, course NE.; ascend south slope, 100 ft. to
 23.75 Spur slopes east; continue along east slope.
 28.00 Ascend SE. slope, 415 ft.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 5 ins. in the ground, off bedrock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1914 on S. rim,
 $\frac{1}{4}$ S 29 on W., and
 S 28 on E. half; from which,
 An oak limb, 8 ins. in diam., brs.S.20°W., 39 lks. dist., marked $\frac{1}{4}$ S 29 B T.
 An oak, 5 ins. in diam., brs.N.82°E., 102 lks. dist., marked $\frac{1}{4}$ S 28 BT.

53.50 Ridge, brs.NE. and SW.; continue along rocky west slope.
 69.25 Spur, slopes NW.; descend N. slope, 410 ft. to
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 12 ins. in the ground, on bedrock, supported by a mound of stone for the cor. of secs. 20, 21, 28 and 29, marked on brass cap,
 1914 on S. rim,
 T 13 S S 20 in NW.,
 R 27 E S 21 in NE.,
 S 28 in SE., and
 S 29 in SW. quadrant;
 raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, west of corner. Pits impracticable.

Note: At this cor., July 10, 1914, I set off 22° 17 $\frac{1}{2}$ ' N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 32° 16 $\frac{1}{2}$ ' N.
 Land, mountainous.
 Soil, rocky, granite formation, 4th rate,
 Timber, scattering oak and juniper.
 Undergrowth, scattering, with patches of dense scrub oak and catclaw.

40.00 S.89°50'W., on a random line, bet. secs. 20 and 29.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.80 Intersect the N. and S. line, 14 lks. south of the cor. of secs. 19, 20, 29 and 30.
 Thence I run,
 N.89°56'E., on a true line, bet. secs. 20 and 29.

22. Subdivision of Township 13 South, Range 27 East.

Chains.	
	Ascend west slope, through scattering timber and undergrowth.
10.00	Spur, slopes SW.; continue along rolling south slope.
12.00	Draw, course SW.; ascend SW. slope.
22.70	Rocky ridge, brs.N and S., 560 ft. above sec.cor.; descend east slope.
39.90	Set an iron post 3 ft.long, 1 in. in diam., 5 ins. in the ground, on bedrock, supported by a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap, 1914 on S rim, $\frac{1}{4}$ S 20 on N., and S 29 on S.half; from which, An oak, 12 ins. in diam., brs.S.25 $\frac{1}{2}$ °W., 12 lks. dist., marked $\frac{1}{4}$ S 29 B T. An oak, 9 ins. in diam., brs.N.71 $\frac{1}{2}$ °W., 48 lks. dist., marked $\frac{1}{4}$ S 20 B T.
48.50	Draw, course south; continue along south slope.
49.25	Descend SE. slope.
61.80	Gulch, course NE., 690 ft. below ridge; ascend NW. slope, 320 ft.to
75.20	Rocky spur, slopes north; descend rocky N. slope, 80 ft.to
79.80	The cor.of secs.20,21,28 and 29. Land, mountainous. Soil, rocky, granite formation, 4th rate. Timber, scattering oak, juniper and cedar. Undergrowth, scattering, with patches of dense scrub oak and catclaw.

	N.0° 1'E., bet. secs.20 and 21. Through scattering timber and undergrowth. Descend N. slope.
7.50	Draw, course NW.; thence along west slope, descending.
15.00	Gulch, course NE., 375 ft. below cor.; continue along rolling east slope.
28.50	Draw, course NE.
35.50	Gulch, course NE.; ascend SE. slope, 250 ft.
40.00	Set an iron post, 3 ft.long, 1 in. in diam., 6 ins. in the ground, on bedrock, supported by a mound of stone for $\frac{1}{4}$ sec.cor., marked on brass cap, 1914 on S rim, $\frac{1}{4}$ S 20 on W., and S 21 on E.half; from which, An oak, 18 ins. in diam., brs.N.9°E., 242 lks. dist., marked $\frac{1}{4}$ S 21 B T. No other trees within limits; raise a mound of stone, 2 ft.base, 1 $\frac{1}{2}$ ft. high, west of cor. Pits impracticable. July 10, 1914.
	July 11, 1914: At 9h.20m. a.m., l.m.t., I set off 32°17' N.on the lat.arc; 22°11' N. on the decl.arc; and determine a meridian with the solar at this $\frac{1}{4}$ sec.cor.
47.50	Top of ascent; continue along rolling east slope.
58.00	Spur, slopes east; descend north slope, 100 ft.to
62.00	Gulch, course east; ascend south slope, 140 ft.to
68.50	Rocky spur, slopes NE.; descend along rolling rocky west slope.
80.00	Set an iron post 3 ft.long, 2 ins. in diam., 14 ins. in the ground, on bedrock, supported by a mound of stone, for the cor.of secs.16,17,20 and 21, marked on brass cap, 1914 on S rim, T 13 S S 17 in NW., R 27 E S 16 in NE., S 21 in SE., and S 20 in SW.quadrant; from which, An oak, 6 ins.in diam., brs.N.69 $\frac{1}{2}$ °E., 24 lks.dist., marked T 13 S R 27 E S 16 B T.

Subdivision of Township 13 South, Range 27 East. 23.

Chains.

- A cedar, 8 ins. in diam., brs. S. 51° W., 25 lks. dist., marked T 13 S R 27 E S 20 B T.
 No other trees within limits; raise a mound of stone 2 ft. base, 1½ ft. high, west of cor. Pits impracticable.
 Land, mountainous.
 Soil, rocky, granite formation, 4th rate.
 Timber, scattering oak and cedar.
 Undergrowth, scattering, with patches of dense scrub oak and catclaw.
-
- 40.00 S. 89° 56' W., on a random line, bet. secs. 17 and 20.
 Set temp ¼ sec. cor.
 80.01 Intersect N. and S. line, 7 lks. north of the cor. of secs. 17, 18, 19 and 20.
 Thence I run,
 N. 89° 53' E., on a true line, bet. secs. 17 and 20.
 Through scattering timber and undergrowth. Descend E. slope, 40 ft. to
 2.50 Gulch, course N.; ascend west slope, 60 ft. to
 10.00 Spur, slopes north; descend east slope, 50 ft. to
 17.25 Gulch, course north; ascend west slope, 160 ft. to
 27.00 Spur slopes north; descend east slope, 80 ft. to
 33.00 Gulch, course north; ascend west slope, 160 ft. to
 40.005 Set an iron post, 3 ft. long, 1 in. in diam., 2 ins. in the ground, on bedrock, supported by a mound of stone, for ¼ sec. cor., marked on brass cap,
 1914 on S. rim,
 ¼ S 17 on N., and
 S 20 on S. half; from which,
 An oak, 12 ins. in diam., brs. S. 47° W., 19 lks. dist., marked ¼ S 20 B T.
 An oak, 10 ins. in diam., brs. N. 54½° W., 82 lks. dist., marked ¼ S 17 B T.
 44.00 Spur ridge, slopes NE.; descend east slope, 210 ft. to
 53.50 Gulch, course N.; ascend NW. slope, 180 ft. to
 63.00 Spur slopes north; descend NE. slope, 240 ft. to
 75.00 Draw, course N.; ascend W. slope, 150 ft. to
 80.01 The cor. of secs. 16, 17, 20 and 21.
 Land, mountainous.
 Soil, rocky, granite formation, 4th rate.
 Timber, scattering oak and juniper.
 Undergrowth, scattering with patches of dense scrub oak.
 July 11, 1914.
-
- July 15, 1914: At 7h. 30m., a.m., l.m.t., I set off 32° 17½' N. on the lat. arc; 21° 37½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 16, 17, 20 and 21.
 Thence I run,
 N. 0° 1' E., bet. secs. 16 and 17.
 Descend rocky NW. slope, through scattering timber and undergrowth. Descend rocky NW. slope, 500 ft. to
 22.00 Foot of mountain, brs. E. and W.; continue over rolling land.
 24.25 Wash, 30 lks. wide, 4 ft. deep, course NE.
 27.50 Wash, 12 lks. wide, 2 ft. deep, course NE.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,
 1914 on S. rim,
 ¼ S 17 on W., and
 S 16 on E. half;
 raise a mound of stone, 2 ft. base, 1½ ft. high, west of cor. Pits impracticable.

24. Subdivision of Township 13 South, Range 27 East.

Chains.

42.95	Wash, 15 lks.wide, 2 ft.deep, course NE.
60.00	Wash, 10 lks.wide, 1 ft. deep, course NE.
80.00	Set an iron post 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for the cor.of secs.8,9,16 and 17, marked on brass cap, 1914 on S.rim, T 13 S S 8 in NW., R 27 E S 9 in NE., S 16 in SE., and S 17 on SW-quadrant; raise a mound of stone 2 ft.base, 1½ ft. high,west of corner. Pits impracticable.
	Land, south 22 chs., mountainous; north 58 chs.,rolling. Soil, south 22 chs., rocky, granite formation, 4th rate, North 58 chs. sandy loam and gumbo, gravelly, 1st and 2nd rate.
	Timber, south 22 chs., scattering oak and juniper;north 58 chs. no timber.
	Undergrowth, scattering, with patches of dense scrub oak, and catclaw.

40.00	S.89°53' W., on a random line, bet. secs.8 and 17. Set temp.¼ sec.ccr.
80.00	Intersect N.and S. line, 5 lks.south of the cor.of secs. 7, 8,17 and 18. Thence I run, N.89°55'E., on a true line, bet. secs. 8 and 17. Over rolling land, through scattering undergrowth.
3.75	Wash, 5 lks.wide, 3 ft.deep, course north.
12.55	Wash, 20 lks.wide, 1 ft. deep, course north.
16.00	Wash, 50 lks.wide, 3 ft. deep, course NE.
19.85	Wash,20 lks.wide, 2 ft.deep, course NW.
25.70	Wagon road brs.NW. and SE.
30.00	Ridge, 60 ft.high, brs.NE. and SW.
40.00	Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for ¼ sec.cor., marked on brass cap, 1914 on S.rim, ¼ S 8 on N., and S 17 on S.half; raise a mound of stone 2 ft.base, 1½ ft high, north of corner. Pits impracticable.
47.55	Wagon road, brs.NE. and SW.
64.00	Wash, 3 lks.wide, 2 ft. deep, course NE.
70.75	Wash,20 lks.wide, 3 ft. deep, course NW.
80.00	The cor.of secs. 8,9,16 and 17. Land, rolling. Soil, sandy loam and gumbo, gravelly, 1st to 3rd rate. No timber. Undergrowth, scattering, with patches of dense catclaw.

	N.0°1'E. bet. secs. 8 and 9. Over rolling land, through scattering undergrowth.
7.60	Wagon road, brs.NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec.cor., marked on brass cap, 1914 on S.rim, ¼ S 8 on W., and S 9 on E.half; dig pits 18x18x12 ins.; N.and S.of post, 3 ft.dist., and raise a mound of earth 3½ ft. base, 1½ ft. high,W. of corner.
42.75	Wash, 20 lks.wide, 1 ft. deep, course NE.
50.25	Wagon road brs.E.and W.
53.15	Wash, 20 lks.wide, 2 ft.deep, course NE.

Chains.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 4, 5, 8 and 9, marked on brass cap,
 1914 on S. rim,
 T 13 S S 5 in NW.,
 R 27 E S 4 in NE.,
 S 9 in SE., and
 S 8 in SW. quadrant;
 raise a mound of stone 2 ft. base, 1½ ft. high, west of corner.
 Pits impracticable.
 Note: At this corner, July 15, 1914, I set off 21° 35½' N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting latitude is 32° 19' N.
 Land, rolling.
 Soil, sandy loam and gumbo gravelly, 1st and 2nd rate.
 No timber.
 Undergrowth, scattering, with patches of dense catclaw and mesquite.

40.00 S. 89°55' W., on a random line, bet. secs. 5 and 8.
 Set temp. ¼ sec. cor.
 80.01 Intersect the N. and S. line, 2 lks. north of the corner of secs. 5, 6, 7 and 8.
 Thence I run,
 N. 89°54' E., on a true line, bet. secs. 5 and 8.
 Over rolling land, through scattering undergrowth.
 22.65 Wash, 20 lks. wide, 2 ft. deep, course north.
 40.005 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,
 1914 on S. rim,
 ¼ S 5 on N., and
 S 8 on S. half;
 dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist., and raise a mound of stone 3½ ft. base, 1½ ft. high, north of corner.
 41.25 Wash, 15 lks. wide, 2 ft. deep, course NE.
 67.40 Wash, 20 lks. wide, 2 ft. deep, course NE.
 80.01 The cor. of secs. 4, 5, 8 and 9.
 Land, rolling.
 Soil, sandy loam and gumbo, 1st and 2nd rate, gravelly.
 No timber.
 Undergrowth, scattering, with patches of dense catclaw and mesquite
 A

39.10 N. 0° 1' E., on a true line, bet. secs. 4 and 5.
 Over rolling land, through scattering undergrowth.
 Wash, 20 lks. wide, 1 ft. deep, course NE.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,
 1914 on S. rim,
 ¼ S 5 on W. half; and
 S 4 on E. half;
 raise a mound of stone 2 ft. base, 1½ ft. high, west of corner.
 Pits impracticable.
 77.31 Intersect the north bdy. of the Tp., S. 89°57' E., 741 lks. dist., from the reestablished corner of secs. 32 and 33, T. 12 S., R. 27 E. hereinbefore described in my notes of Resurvey of North boundary of T. 13 S., R. 27 E.

26. Subdivision of Township 13 South, Range 27 East.

Chains.

At point of intersection, I set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the closing corner of secs. 4 and 5, marked on brass cap,

1914 on S.rim,
C C S of center,
T 12 S S 32, S 33 in N.,
T 13 S in S., and
R 27 E in W. half;
S 4 in SE., and
S 5 in SW quadrant;

raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high south of corner.

Pits impracticable.

Land, rolling.

Soil, sandy loam and gumbo, gravelly, 1st and 2nd rate.

No timber.

Undergrowth, scattering, with patches of dense catclaw and mesquite.

July 15, 1914.

June 26, 1914:

At 8h. a.m., l.m.t., I set off $32^{\circ}15'$ N. on the lat. arc; $23^{\circ}24'$ N. on the decl. arc; and determine a meridian with the solar at the true point for the cor. of secs. 3, 4, 33 and 34, on south bdy. of township, which is 10 lks. east of the witness corner to said corner, established by me, as described in Book "A."

Thence I run, N. $0^{\circ}2'$ E., bet. secs. 33 and 34.

Through scattering timber and undergrowth; descend NW. slope, 155 ft.

- 4.00 Trail, brs. NE and SW.
- 6.00 Gulch, course NE.; ascend SE. slope, 20 ft. to
- 8.00 Spur, slopes east; descend NE. slope, 80 ft. to
- 14.75 Gulch, course east; ascend SE. slope, 115 ft.
- 19.00 Cabin, vacant, about 18 chs. east.
- 19.50 Spur, slopes east; descend NE. slope, 15 ft. to
- 25.00 Gulch, course SE.; ascend south slope, 600 ft.
- 39.90 Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in the ground, on bedrock, supported by a mound of stone, at foot of sloping rock, for witness corner to the $\frac{1}{4}$ sec. cor., marked on brass cap,
1914 on S.rim,
W C N of center,
 $\frac{1}{4}$ S 33 on W., and
S 34 on E. half; from which,
An oak, 16 ins. in diam., brs. S. 12° W., 104 lks. dist., marked $\frac{1}{4}$ S 33 B T.
- No other trees within limits; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, west of corner.
- Pits impracticable.
- 40.00 Point for $\frac{1}{4}$ sec. cor. falls on a sloping rock, slopes SW.
- 46.00 Ridge, brs. E. and W.; descend north slope, 115 ft. to
- 58.00 Gulch, course E.; ascend SE. slope, 430 ft. to
- 76.50 Top of ascent; continue along east slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on bedrock, supported by a mound of stone, for the cor. of secs. 27, 28, 33 and 34, marked on brass cap,
1914 on S.rim,
T 13 S S 28 in NW.,
R 27 E S 27 in NE.,
S 34 in SE., and
S 33 in SW quadrant; from which,
An oak, 24 ins. in diam., brs. N. $58\frac{1}{2}^{\circ}$ E., 165 lks. dist., marked T 13 S. R 27 E S 27 B T.

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Chains.	<p>No other trees within limits; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, 4 ft. SW. of cor. Impracticable to raise mound on west. Pits impracticable.</p> <p>Land, mountainous. Soil, rocky, granite formation, 4th rate. Timber, scattering oak and cedar. Undergrowth, scattering, with patches of dense scrub oak and cacti.</p> <p style="text-align: right;">June 26, 1914.</p>
40.00	<p>June 27, 1914: At 8h. 10m. a.m., l.m.t., I set off 32° $15\frac{1}{2}'$ N. on the lat. arc; $23^{\circ}22'$ N. on the decl. arc; and determine with the solar meridian at the cor. of secs. 27, 28, 33 and 34. Thence I run,</p>
80.00	<p>West, on a random line, bet. secs. 28 and 33. Set temp. $\frac{1}{4}$ sec. cor. Intersect the N. and S. line, 5 lks. south of the cor. of secs. 28, 29, 32 and 33. Thence I run, S. $89^{\circ}58'$ E., on a true line, bet. secs. 28 and 33. Descend N. slope, through scattering timber and undergrowth. Descend NE. slope.</p>
6.00	<p>Gulch, course NW., 130 ft. below cor.; ascend W. slope, 230 ft. to</p>
19.50	<p>Ridge, brs. N. and S.; descend E. slope, 375 ft.</p>
27.45	<p>Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground, on bedrock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,</p>
40.00	<p>1914 on S. rim, $\frac{1}{4}$ S 28 on N., and S 33 on S. half; from which, An oak, 12 ins. in diam., brs. S. $12\frac{1}{4}^{\circ}$ E., 85 lks. dist., marked $\frac{1}{4}$ S 33 B T. An oak, 12 ins. in diam., brs. N. 41° W., 223 lks. dist., marked $\frac{1}{4}$ S 28 B T.</p>
47.00	<p>Gulch, course north; ascend west slope.</p>
49.50	<p>Draw, course NW.</p>
72.00	<p>Ridge, brs. N. and S., 545 ft. above gulch; descend E. slope, 210 ft. to</p>
80.00	<p>The cor. of secs. 27, 28, 33 and 34. Land, mountainous. Soil, rocky, granite formation, 4th rate. Timber, scattering oak, and cedar. Undergrowth, scattering, with patches of dense scrub oak and cacti.</p>
8.00	<p>N. $0^{\circ}2'$ E., bet. secs. 27 and 28. Along rolling east slope, through scattering timber and undergrowth.</p>
19.00	<p>Ridge, brs. NE. and SW.; descend NW. slope, 195 ft. to</p>
24.00	<p>Draw, course NE.; ascend SE. slope, 50 ft. to</p>
35.53	<p>Ridge, brs. NE. and SW.; descend N. slope, 410 ft.</p>
40.00	<p>An oak, 20 ins. in diam., on line. Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, on bedrock, supported by a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim, $\frac{1}{4}$ S 28 on W., and S 27 on E. half; from which, An oak, 10 ins. in diam., brs. S. $41\frac{1}{2}^{\circ}$ E., 82 lks. dist., marked $\frac{1}{4}$ S 27 B T. An oak, 20 ins. in diam., brs. S. 59° W., 39 lks. dist., marked $\frac{1}{4}$ S 28 B T.</p>
42.25	<p>Note: At this corner, June 27, 1914, I set off $23^{\circ}21'$ N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is $32^{\circ}16'$ N.</p>
44.00	<p>Draw, course W.; ascend SW. slope, 20 ft. to Spur slopes west; descend NW. slope, 420 ft. to</p>

Subdivision of Township 13 South, Range 27 East, 27.

Chains.	
65.00	Gulch, course NE.; ascend east slope, 90 ft. to
74.00	Rocky spur, slopes NE.; descend NW. slope, 130 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, on bedrock, supported by a mound of stone for the corner of secs. 21, 22, 27 and 28, marked on brass cap, 1914 on S. rim, T 13 S S 21 in NW., R 27 E S 22 in NE., S 27 in SE., and S 28 in SW. quadrant; from which, An oak, 16 ins. in diam., brs. N. 45° E., 124 lks. dist., marked T 13 S R 27 E S 22 B T. An oak, 10 ins. in diam., brs. S. 75° E., 29 lks. dist., marked T 13 S R 27 E S 27 B T. An oak, 8 ins. in diam., brs. S. 65° W., 32 lks. dist., marked T 13 S R 27 E S 28 B T. An oak, 8 ins. in diam., brs. N. 26½° W., 10 lks. dist., marked T 13 S R 27 E S 21 B T.
	Land, mountainous. Soil, rocky, granite formation, 4th rate. Timber, scattering oak and cedar. Undergrowth, scattering with patches of dense scrub oak and cacti. June 27, 1914.
40.00	N. 89° 58' W., on a random line, bet secs. 21 and 28. Set temp. ¼ sec. cor.
80.29	Intersect the N. and S. line, 5 lks. north of the cor. to secs. 20, 21, 28 and 29, and at this cor. July 13, 1914: At 9h. 10m. a.m., l.m.t., I set off 32° 16½' N. on the lat. arc; 21° 54½' N. on the decl. arc; and determine with the solar a meridian. Thence I run, East, on a true line, bet. secs. 21 and 28. Along north slope, through scattering timber and undergrowth.
1.00	Ascend NW. slope.
8.00	Rocky point slopes NW., 135 ft. above cor.; continue along rolling N. slope.
23.75	Ridge, brs. NE. and SW.; descend east slope, 420 ft.
40.145	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, on bedrock, supported by a mound of stone for ¼ sec. cor., marked on brass cap, 1914 on S. rim, ¼ S 21 on N., and S 28 on S. half; raise a mound of stone 2 ft. base, 1½ ft. high, north of corner. Pits impracticable.
47.50	Draw, course SE.; continue along south slope.
53.00	Descend east slope, 400 ft. to
66.75	Canyon, course NE.; ascend NW. slope, 275 ft. to
80.29	The cor. of secs. 21, 22, 27 and 28. Land, mountainous. Soil, rocky, granite formation, 4th rate, Timber, scattering oak and cedar. Undergrowth, scattering with patches of dense scrub oak, catclaw and mahogany.
12.75	N. 0° 2' E., bet. secs. 21 and 22. Through scattering timber and undergrowth. Descend NW. slope, 400 ft. to
20.60	Canyon, course NE.; ascend along rolling east slope.
26.50	Draw, course east.
29.00	Rocky spur, slopes east.

28. Subdivision of Township 13 South, Range 27 East.

Chains.

- 31.00 Draw, course east; ascend south slope, 180 ft. to
 38.00 Rocky point, slopes east.
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 4 ins. in
 the ground, on bed rock, supported by a mound of stone
 for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1914 on S. rim,
 $\frac{1}{4}$ S 21 on W., and
 S 22 on E. half; from which,
 A cedar, 14 ins. in diam., brs. S. 33° E., 107
 lks. dist., marked $\frac{1}{4}$ S 22 B T.
 A cedar, 7 ins. in diam., brs. N. $2\frac{1}{2}^{\circ}$ W., 183 lks.
 dist., marked $\frac{1}{4}$ S 21 B T.
- Note: At this cor., July 13, 1914, I set off $21^{\circ}53\frac{1}{2}'$ N.
 on the decl. arc; and at apparent noon, observe the sun
 on the meridian; the resulting lat. is $32^{\circ}17'$ N.
- 54.00 Rocky spur, slopes east; descend NE. slope.
 62.00 Foot of descent, 130 ft. below rocky point; continue
 along rolling east slope.
 73.75 Rocky spur, slopes NE.; descend NW. slope.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 9 ins. in
 the ground, on bedrock, supported by a mound of stone
 for the cor. of secs. 15, 16, 21 and 22, marked on brass
 cap,
 1914 on S. rim,
 T 13 S S 16 in NW.,
 R 27 E S 15 in NE.,
 S 22 in SE., and
 S 21 in SW. quadrant; from which,
 A cedar, 12 ins. in diam., brs. N. $69\frac{1}{2}^{\circ}$ E., 73
 lks. dist., marked T 13 S R 27 E S 15 B T.
- No other trees within limits; raise a mound of stone
 2 ft. base, $1\frac{1}{2}$ ft. high, west of cor.
 Pits impracticable.
 Land, mountainous.
 Soil, rocky, granite formation, 4th rate,
 Timber, scattering cedar and oak.
 Undergrowth, scattering with patches of dense scrub oak
 and catclaw.

July 13, 1914.

- July 16, 1914: At 7h. 40m. a.m., l.m.t., I set off 32°
 $17\frac{1}{2}'$ N. on the lat. arc; $21^{\circ}27\frac{1}{2}'$ N. on the decl. arc;
 and determine a meridian with the solar at the cor.
 of secs. 15, 16, 21 and 22.
 Thence I run,
 West, on a random line, bet. secs. 16 and 21.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.06 Intersect the N. and S. line, 16 lks. south of the cor.
 of secs. 16, 17, 20 and 21.
 Thence I run,
 S. $89^{\circ}53'$ E., on a true line, bet. secs. 16 and 21.
 Through scattering timber and undergrowth; ascend rocky
 west slope, 30 ft. to
 1.50 Rocky point slopes north.
 3.00 Descend east slope, 90 ft. to
 6.00 Draw, course N.; ascend west slope, 90 ft. to
 8.75 Rocky spur, slopes NE.; descend east slope, 450 ft. to
 25.80 Foot of descent, brs. N. and S.; wash, 75 lks. wide, 10 ft.
 deep, course N.; continue over rolling, broken land,
 slopes east.
 26.95 Wire fence brs. N. and S.
 28.95 Wire fence, brs. N. and S.
 29.90 Wash, 20 lks. wide, 2 ft. deep, course north. G.W. Nolan's
 house, brs. south, about 250 lks. dist.
 31.15 Wagon road, brs. NE. and SW.
 32.00 Ascend west slope, 250 ft.
 40.03 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in
 the ground, on bedrock, supported by a mound of stone

Subdivision of Township 13 South, Range 27 East, 29.

Chains.

for $\frac{1}{4}$ sec.cor., marked on brass cap,
 1914 on S.rim,
 $\frac{1}{4}$ S 16 on N.; and;
 S 21 on S.half; from which,
 An oak, 10 ins. in diam., brs.S.78 $\frac{1}{2}$ $^{\circ}$ W., 200
 lks.dist., marked $\frac{1}{4}$ S 21 B T.
 An oak, 8 ins. in diam., brs.N.61 $\frac{3}{4}$ $^{\circ}$ W. 120 lks.
 dist., marked $\frac{1}{4}$ S 16 B T.

45.00 Rocky point, slopes north; continue along rolling, rocky
 north slope.

58.00 Descend NE. slope, 100 ft.to

62.30 Gulch, course NE.; ascend NW. slope, 75 ft.to

67.00 Top of ascent; continue along north slope.

70.00 Descend east slope, 125 ft.to

76.85 Draw, course north; ascend west slope, 50 ft. to

80.06 The cor.of secs.15,16,21 and 22.
 Land, mountainous.
 Soil, rocky, granite formation, 4th rate.
 Timber, scattering oak and cedar.
 Undergrowth, scattering, with patches of dense scrub oak
 and catclaw.

N.0 $^{\circ}$ 2'E., bet. secs. 15 and 16.
 Through scattering timber and undergrowth; descend N.
 slope, 250 ft.

15.00 J. M. Elms' house, brs.west about 3 chs.dist.

16.00 Foot of mountain, brs.E.and W.; leave timber; enter
 dense undergrowth, brs.E.and W.; continue over rolling
 land.

21.90 R. E. Groom's house, brs.S.54 $^{\circ}$ E., about 20 chs. dist.

27.85 Wagon road brs.NW. and SE.

36.00 Wash, 20 lks.wide, 1 ft. deep, course NE.

40.00 Set an iron post, 3 ft.long, 1 in. indiam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec.cor. marked on brass cap,
 1914 on S.rim,
 $\frac{1}{4}$ S 16 on W., and
 S 15 on E.half;
 raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft. high, west of
 corner. Pits impracticable.
 Note: At this cor., July 16,1914, I set off 21 $^{\circ}$ 26' N.on
 the decl.arc; and at apparent noon, observe the sun
 on the meridian; the resulting lat.is 32 $^{\circ}$ 18' N.

43.75 Wagon road, brs.NE.and SW.

80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in
 the ground, for the cor.of secs.9,10,15 and 16,marked
 on brass cap,
 1914 on S.rim,
 T 13 S S 9 in NW.,
 R 27 E S 10 in NE.,
 S 15 in SE., and
 S 16 in SW. quadrant;
 dig pits 18x18x12 ins., in each sec. 5 $\frac{1}{2}$ ft. dist., and
 raise a mound of earth 4 ft. base, 2 ft.high, west
 of cor.
 Land, south 16 chs. mountainous; north 64 chs.rolling.
 Soil, south 16 chs.rocky, granite formation, 4th rate;
 north 64 chs. sandy loam, gumbo; gravelly, 1st and 2nd
 rate.
 Timber, scattering oak and cedar on south 16 chs.; no
 timber on north 64 chs.
 Undergrowth,scattering on S.16 chs; dense catclaw and mesquite
 on north 64 chs.

July 16, 1914

30. Subdivision of Township 13 South, Range 27 East.

Chains.

- N.89°53'W., on a random line, bet. secs.9 and 16.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.88 Intersect the N.and S. line, 7 lks.north of the cor.of
 secs.8,9,16 and 17, and at this corner,
 July 18, 1914, at 7h.a.m., l.m.t., I set off 32°18 $\frac{1}{2}$ 'N.,
 on the lat.arc; 21°8 $\frac{1}{2}$ 'N.on the decl.arc, and deter-
 mine a meridian with the solar.
 Thence I run,
 S.89°56'E., on a true line, bet. secs.9 and 16.
 Over rolling land, through dense undergrowth.
 11.25 Wash, 15 lks.wide, 4 ft. deep, course NE.
 12.40 Wagon road, brs.NW. and SE.
 13.10 Wash, 12 lks.wide, 3 ft. deep, course N.
 26.25 Wash, 18 lks.wide, 2 ft. deep, course N.
 30.60 G.W. Smith's house, brs.S.25°E.
 33.50 Wagon road, brs.N. and S.
 33.60 Corner of wire fence, 15 lks.south, brs. E.and S.
 39.94 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,
 1914 on S.rim,
 $\frac{1}{4}$ S 9 on N., and
 S 16 on S. half;
 dig pits 18x18x12 ins., E and W.of post, 3 ft. dist.,
 and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
 north of corner.
 G. W. Smith's house brs.S.10°W.
 41.30 Corner of wire fence, 20 lks. south, brs.W.and S.
 79.88 The cor.of secs.9,10,15 and 16.
 Land, rolling.
 Soil, sandy loam and gumbo, gravelly, 1st and 2nd rate.
 No timber.
 Undergrowth, dense catclaw and mesquite.
 July 18, 1914.
-
- July 16, 1914:
 N.0°2'E., bet. secs. 9 and 10.
 Over rolling land, through dense undergrowth.
 17.35 Wash, 10 lks.wide, 1 ft. deep, course NE.
 38.15 Wagon road, brs.E.and W.
 40.00 Set an iron post, 3 ft.ling, 1 in. in diam., 26 ins. in
 the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,
 1914 on S.rim,
 $\frac{1}{4}$ S 9 on W., and
 S 10 on E. half;
 raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft. high,west of
 corner. Pits impracticable.
 42.50 Wash, 6 lks.wide, 1 ft. deep, course NE.
 79.10 Wash, 12 lks.wide, 4 ft. deep, course NE.
 79.90 Wash, 20 lks.wide, 2 ft. deep, course NE.
 80.00 Fall in wash, on unsafe place, for the cor.of secs.3,4,
 9 and 10, Therefore,I set a witness cor. to this cor.
 N.0°2'E. 1.10 chs. as hereinafter described.
 Land, rolling.
 Soil,sandy loam and gumbo, gravelly, 1st and 2nd rate.
 No timber.
 Undergrowth, dense catclaw and mesquite.
-
- From the true point for the cor.of secs.3,4,9 and 10, I
 run,
 N.89°56'W., on a random line, bet. secs.4 and 9.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.86 Intersect the N. and S line, 7 lks.south of the cor.of
 secs.4,5,8 and 9.

ECCOX 2778

Subdivision of Township 13 South, Range 27 East. 31.

Chains.

Thence I run,
S.89°53'E., on a true line, bet. secs.4 and 9.
Over rolling land, through scattering undergrowth.

24.00 Enter dense undergrowth, brs. NE. and SW.
25.00 Wash, 30 lks.wide, 1 ft. deep, course N.
39.50 Wash, 15 lks.wide, 2 ft. deep, course NE.
39.93 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,
1914 on S.rim,
 $\frac{1}{4}$ S 4 on N., and
S 9 in S.half;
raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft. high, north
of cor. Pits impracticable.

79.00 Wash, 12 lks.wide, 3 ft. deep, course N.75° E.
79.86 The point for cor.of secs.3,4,9 and 10.
Land, rolling.
Soil, sandy loam and gumbo, gravelly, 1st and 2nd rate.
No timber.
Undergrowth, scattering on west 24chs.; dense mesquite
and catclaw on east 55.86 chs.

From the point for the cor. of secs.3,4,9 and 10, I run,
N.0°2'E., on a true line, bet. secs.3 and 4.
Over rolling land, through dense undergrowth.

3.30 Wash, 12 lks.wide, 2 ft. deep, course NE.
1.10 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in
the ground, for the witness cor.to cor.of secs.3,4,9
and 10, marked on brass cap,
1914 on S.rim,
W C N of center,
T 13 S S 4 in NW.,
R 27 E S 3 in NE.,
S 10 in SE., and
S 9 in SW.quadrant;
raise a mound of stone 2 ft.base, $1\frac{1}{2}$ ft. high, west
of corner. Pits impracticable.

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,
1914 on S.rim,
 $\frac{1}{4}$ S 4 on W., and
S 3 on E.half;
dig pits, 18x18x12 ins., N.and S.of post, 3 ft. dist.,
and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
west of corner.

77.59 Intersect the north bdy. of the Tp., N.89°58'E., 684 lks.
from the reestablished cor. of secs.33 and 34, T.12
S., R.27 E. hereinbefore described in my notes of re-
survey of north bdy.of T.13 S., R.27 E.
At point of intersection, I set an iron post, 3 ft. long
2 ins. in diam., 24 ins. in the ground, for clos.cor.of
secs. 3 and 4, marked on brass cap,
1914 on S.rim,
C C S of center,
T 12 S S 33 S 34 in N.,
T 13 S in S., and
R 27 E in W.half;
S 3 in SE., and
S 4 in SW.quadrant;
dig pits, 24x18x12 ins. crosswise on each line, E and
W. 3 ft., and S.of post 7 ft.dist., and raise a mound
of earth, 4 ft.base, 2 ft.high, south of cor.
Land, rolling.
Soil, sandy loam and gumbo, gravelly, 1st to 3rd rate.
No timber.
Undergrowth, scattering, with patches of dense mesquite
and catclaw.

July 16, 1914.

32. Subdivision of Township 13 South, Range 27 East.

Chains.

- June 25, 1914: At 7h. 30m. a.m., l.m.t., I set off $32^{\circ} 15' N.$ on the lat. arc; $23^{\circ} 25\frac{1}{2}' N.$ on the decl. arc; and determine a meridian with the solar at the true point for the cor. of secs. 2, 3, 34 and 35 on the south bdy. of the township, which is 45 lks. west of the witness corner to said corner established by me, as described in Book "A."
- Thence I run, from true point for cor., $N. 0^{\circ} 2' E.$, bet. secs. 34 and 35.
Through scattering timber and dense undergrowth.
Ascend SW. slope, 35 ft. to
4.00 Spur, slopes west; descend NW. slope, 110 ft. to
12.50 Gulch, course west; ascend SW. slope, 20 ft. to
14.50 Spur, slopes west; descend north slope, 145 ft. to
20.15 Old wagon road brs. NE. and SW.
21.50 Gulch, course NE.; ascend south slope, 165 ft. to
26.00 Spur slopes east. Old quartz mill site brs. $S. 25^{\circ} W.$, about 15 chs. dist.; descend NE. slope, 275 ft. to
40.00 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground, on bedrock, supported by a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap,
1914 on S. rim,
 $\frac{1}{4}$ S 34 on W., and
S 35 on E. half; from which,
An oak, 10 ins. in diam., brs. $S. 25^{\circ} E.$, 98 lks. dist., marked $\frac{1}{4}$ S 35 B T
An oak, 14 ins. in diam., brs. $S. 42\frac{1}{2}^{\circ} W.$, 62 lks. dist., marked $\frac{1}{4}$ S 34 B T.
41.47 An oak, 14 ins. in diam., on line.
45.00 Gulch, course NW.; continue along rolling west slope.
49.40 Old wagon road, brs. E. and W.
51.40 Wagon road brs. NE. and SW.
54.55 Wagon road, brs. NW. and SE.
58.00 Spur slopes west; descend NW. slope, 120 ft. to
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 26, 27, 34 and 35, marked on brass cap,
1914 on S. rim,
T 13 S S 27 in NW.,
R 27 E S 26 in NE.,
S 35 in SE., and
S 34 in SW. quadrant;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, west of corner. Pits impracticable.
Rock house, brs. $S. 73\frac{1}{2}^{\circ} W.$, from this corner.
Land, mountainous.
Soil, rocky, granite formation, 4th rate.
Timber, scattering oak and juniper.
Undergrowth, dense mesquite, scrub oak and cacti.
June 25, 1914.
-
- 40.00 West, on a random line, bet. secs. 27 and 34.
Set temp. $\frac{1}{8}$ sec. cor.
80.06 Intersect the north and south line, at the cor. of secs. 27, 28, 33 and 34, at which corner.
June 26, 1914: I set off $23^{\circ} 23' N.$ on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is $32^{\circ} 15\frac{1}{2}' N.$
Thence I run,
East, on a true line, bet. secs. 27 and 34.
Through scattering timber and dense undergrowth.
Descend east slope, 355 ft. to
10.70 Draw, course SE.; ascend SW. slope, 15 ft. to
16.00 Spur slopes SE.; descend SE. slope.
30.00 Top of cliffs, bear N. and S., 75 ft. high.
31.35 Foot of cliff; ascend.
40.03 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in

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Chains.

the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on brass cap,
 1914 on S.rim,
 $\frac{1}{4}$ S 27 on N., and
 S 34 on S. half; from which,
 An oak, 10 ins. in diam., brs.N.72°E., 100 lks.
 dist., marked $\frac{1}{4}$ S 27 B T.
 An oak, 14 ins. in diam., brs.S.7°W., 85 lks.
 dist., marked $\frac{1}{4}$ S 34 B T.

41.00 Rocky spur, slopes SE.; descend.
 51.50 Draw, course SE., 840 ft. below 16 ch.point; continue
 along south slope.
 57.50 Rock house, brs.S.10°W.; prospect tunnel, brs.S.20°W.,
 about 18 chs.dist.; prospect tunnel brs.S.36°E., about
 4 chs.dist.; descend SE. slope, 200 ft.to
 67.00 Foot of descent, brs.N.and S. Buckeye Wash, 200 lks.
 wide, 4 ft. deep, course N.; continue over rolling
 land, slopes north.
 72.00 Wash, 100 lks.wide, 3 ft. deep, course N.
 76.90 Wagon road, brs.NE. and SW.
 77.80 Wagon road brs.N.and S.
 80.06 The cor.of secs.26,27, 34 and 35.
 Land, west 67 chs., mountainous; east 13.06 chs.,rolling.
 Soil, rocky, granite formation, 2nd to 4th rate.
 Timber, scattering oak and juniper, with sycamore, ash
 and walnut along Buckeye Wash.
 Undergrowth, dense mesquite, cacti, and scrub oak.
 June 26, 1914.

June 25, 1914:
 N.0°2'E., bet. secs.26 and 27.
 Over rolling land, through dense undergrowth.

5.60 Wagon road, brs.NE. and SW.
 17.00 Buckeye Wash, 100 lks.wide, 4 ft. deep, course NE.;ascend
 rolling SE. slope, 45 ft.to
 26.00 Spur, slopes SE.; descend.
 28.00 Draw, course E.
 37.50 Draw, course E.
 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,
 1914 on S.rim,
 $\frac{1}{4}$ S 27 on W., and
 S 26 on E.half;
 raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft.high, west of
 corner. Pits impracticable.

41.50 Draw, course east.
 48.00 Draw, course SE., 100 ft. above Buckeye Wash; ascend S.
 slope.
 Note: At this point June 25, 1914, I set off 23° 25'N.
 on the decl.arc; and at apparant noon, observe the
 sun on the meridian; the resulting lat.is 32°16'N.

58.00 Change to SW. slope.
 80.00 840 ft. above last draw, set an iron post 3 ft. long,
 2 ins. in diam., 4 ins. in the ground, on bedrock,sup-
 ported by a mound of stone, for the cor.of secs.22,23,
 26 and 27, marked on brass cap,
 1914 on S. rim;
 T 13 S S 22in NW.,
 R 27 E S 23 in NE.,
 S 26 in SE., and
 S 27 in SW.quadrant; from which,
 A cedar, 8 ins. in diam., brs.S.67 $\frac{1}{2}$ °E., 125
 lks.dist., marked T 13 S R 27 E S 26 B T.
 No other trees within limits; raise a mound of stone,
 2 ft.base, 1 $\frac{1}{2}$ ft. high, west of corner. Pits im-
 practicable.

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Chains.

Land, rolling and mountainous.
Soil, rocky, granite formation, 2nd to 4th rate.
Timber, scattering oak and cedar, with sycamore, ash and
walnut along Buckeye Wash.
Undergrowth, dense mesquite, catclaw and cacti.
June 25, 1914.

June 27, 1914:
West, on a random line, bet. secs. 22 and 27.
Set temp. $\frac{1}{4}$ sec. cor.
40.00 Intersect the N and S. line 5 lks. north of the cor. of secs
79.96 21, 22, 27 and 28.
Thence I run,
N. $89^{\circ}58'$ E., on a true line, bet. secs. 22 and 27.
Through scattering timber and dense undergrowth.
Ascend NW. slope, 10 ft. to
1.00 Spur, slopes NE.; descend east slope, 155 ft. to
6.50 Gulch, course N.; ascend NW. slope, 35 ft. to
10.00 Top of ascent; continue along north slope.
16.00 Draw, course N.; ascend W. slope, 60 ft. to
19.00 Spur, slopes north; descend NE. slope, 20 ft. to
21.50 Gulch, course N.; ascend NW. slope, 230 ft. to
34.00 Spur ridge, slopes N.; descend east slope, 275 ft.
39.98 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,
1914 on S. rim,
 $\frac{1}{4}$ S 22 on N., and
S 27 on S. half; from which,
A china tree, 6 ins. in diam., brs. N. 46° E., 46
lks. dist., marked $\frac{1}{4}$ S 22 B T.
An oak, 8 ins. in diam., brs. S. $14\frac{3}{4}^{\circ}$ W., 89 lks.
dist., marked $\frac{1}{4}$ S 27 B T.
48.00 Gulch, course N.; ascend steep north slope.
64.00 Ascend NW. slope.
74.00 Ridge, brs. NE. and SW., 610 ft. above gulch; continue
along steep rocky south slope.
779.96 The cor. of secs. 22, 23, 26 and 27.
Land, mountainous.
Soil, rocky, granite formation, 4th rate.
Timber, scattering oak and cedar.
Undergrowth, dense scrub oak and cacti.
June 27, 1914.

June 29, 1914: At 7h. 50m., a.m., 1, m.t., I set off 32°
 $16\frac{1}{2}'$ N. on the lat. arc; $23^{\circ}16\frac{1}{2}'$ N. on the decl. arc; and
determine a meridian with the solar at the cor. of
secs. 22, 23, 26 and 27.
Thence I run,
N. $0^{\circ}2'$ E., bet. secs. 22 and 23.
Through scattering timber and dense undergrowth; ascend
south slope, 60 ft. to
2.00 Spur, slopes SE.; continue along east slope.
6.00 Spur, slopes NE.; descend N. slope, 645 ft. to
33.50 Draw, course NE.; ascend SE. slope, 40 ft.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in
the ground, on bedrock, supported by a mound of stone
for $\frac{1}{4}$ sec. cor., marked on brass cap,
1914 on S. rim,
 $\frac{1}{4}$ S 22 on W., and
S 23 on E. half; from which,
An oak, 16 ins. in diam., brs. S. 46° W., 193 lks.
dist., marked $\frac{1}{4}$ S 22 B T.

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Chains.

No other trees within limits; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, west of corner. Pits impracticable.

44.00 Spur, slopes NE.; descend NW. slope.
 66.00 Draw, course NE.; descend N. slope.
 75.00 Foot of mountain, brs. E. and W., 575 ft. below spur; continue over rolling land.
 79.50 Wash, 12 lks. wide, 4 ft. deep, course east.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 14, 15, 22 and 23, marked on brass cap,
 1914 on S. rim,
 T 13 S S 15 in NW.,
 R 27 E S 14 in NE.,
 S 23 in SE., and
 S 22 in SW. quadrant;
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, west of corner. Pits impracticable.
 A. L. Martin's house, brs. N. $22\frac{1}{2}^{\circ}$ E., from this cor.
 Land, mountainous and rolling.
 Soil, rocky, granite formation, 4th rate on south 75 chs. Sandy loam and gumbo, gravelly, 2nd and 3rd rate on N. 5 chs.
 Timber, scattering oak and cedar.
 Undergrowth, dense mesquite, catclaw and scrub oak.
 June 29, 1914.

July 16, 1914:
 S. $89^{\circ}58'$ W., on a random line, bet. secs. 15 and 22.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.25 Intersect the N. and S. line, 12 lks. N. of the cor. of secs. 15, 16, 21 and 22.
 Thence I run,
 N. $89^{\circ}53'$ E. on a true line, bet. secs. 15 and 22.
 Along north slope, through scattering timber and dense undergrowth.

6.00 Spur ridge, slopes NE.; descend SE. slope.
 22.00 Foot of mountain, brs. N. and S.; continue over rolling land; wash 10 lks. wide, 2 ft. deep, course NE.
 24.50 Wash, 50 lks. wide, 4 ft. deep, course NE.
 34.00 Ascend NW. slope, 25 ft. to
 38.00 Spur slopes NE.; descend NE. slope, 95 ft.
 40.125 Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in the ground, on bedrock, supported by a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1914 on S. rim,
 $\frac{1}{4}$ S. 15 on N., and
 S 22 on S. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, north of corner. Pits impracticable.

47.50 Foot of spur, brs. NW. and SE.; continue over rolling land
 53.00 Wash, 25 lks. wide, 6 ft. deep, course NE.
 62.20 Wash, 30 lks. wide, 6 ft. deep, course NE.
 80.25 The cor. of secs. 14, 15, 22 and 23.
 Land, rolling and mountainous.
 Soil, 0 to 22 chs. and 34 to 47, 50 chs., rocky, granite formation, 4th rate. 22 to 34 chs. and 47.50 to 80.00 chs., sandy loam and gumbo, gravelly, 2nd and 3rd rate
 Timber, scattering oak and cedar on west 22 chs.; no timber on east 58 chs.
 Undergrowth, dense mesquite, catclaw and scrub oak.
 July 16, 1914.

36. Subdivision of Township 13 South, Range 27 East.

Chains

June 29, 1914:

N.0° 2'E., bet. secs. 14 and 15.

Over gently rolling land, through dense undergrowth.

10.50 Wash, 30 lks.wide, 4 ft. deep, course NE.

14.00 Wagon road, brs.NE and SW.

21.40 A.L.Martin's house; brs.S.64°E.

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

1914 on S.rim,
1/4 S 15 on W., and
S 14 on E.half;

dig pits 18x18x12ins., N.and S. of post, 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, west of cor.

46.25 Tom Mantooth's house, brs.N.68°W.

C. M. Lewis' tent, brs.N.42°E.

46.60 Wagon road, brs.NW. and SE.

65.60 Tom Mantooth's house, brs.S.47 1/2°W.

C. M. Lewis' tent brs. S.70 1/4°E.

67.15 Wagon road, brs.NE. and SW.

80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for the cor.of secs.10,11,14 and 15, marked on brass cap,

1914 on S,rim,
T 13 S S 10 in NW.,
R 27 ES 11 in NE',
S 14 in SE., and
S 15 in SW. quadrant;

dig pits 18x18x12 ins., in each sec. 5 1/2 ft. dist.,and raise a mound of earth, 4 ft.base, 2 ft.high, west of corner.

Land, rolling.

Soil, sandy loam and gumbo, gravelly, 1st and 2nd rate.

No timber.

Undergrowth, dense catclaw and mesquite.

June 29, 1914.

July 18, 1914:

S.89°53'W., on a random line, bet. secs.10 and 15.

40.00 Set temp.1/4 sec.cor.

80.40 Intersect the N.and S. line, 9 lks. north of the corner of secs.9,10,15 and 16.

Thence I run,

N.89°49'E., on a true line, bet. secs.10 and 15.

Over rolling land, through dense undergrowth.

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

1914 on S.rim,
1/4 S 10 on N., and
S 15 on S.half;

dig pits 18x18x12 ins., E.and W.of post, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, north of corner.

66.40 Wagon road brs.NE. and SW.

80.40 The cor.of secs.10,11,14 and 15.

Land, rolling.

Soil, sandy loam and gumbo, gravelly, 1st and 2nd rate.

No timber.

Undergrowth, dense catclaw and mesquite.

N.0°2'E., bet. secs. 10 and 11.

Over rolling land, through dense undergrowth.

12.75 Wagon road brs.NE. and SW.

19.40 Wash, 12 lks.wide, 1 ft. deep, course NE.

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Chains
 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, 1914 on S. rim, $\frac{1}{4}$ S 10 on W., and S 11 on E. half; dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, west of corner.

44.10 Wagon road, brs. E. and W.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 2, 3, 10 and 11, marked on brass cap, 1914 on S. rim, T 13 S S 3 in NW., R 27 E S 2 in NE., S 11 in SE., and S 10 in SW. quadrant; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Land, rolling.
 Soil, sandy loam and gumbo, gravelly, 1st and 2nd rate.
 No timber.
 Undergrowth, dense catclaw and mesquite.
 July 18, 1914.

July 19, 1914:
 S. $89^{\circ}49'$ W., on a random line, bet. secs. 3 and 10.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.35 Intersect the N. and S. line, 7 lks. south of the true point for the corner of secs. 3, 4, 9 and 10, at which point at 9h. a.m., l.m.t., I set off $32^{\circ}19'$ N. on the lat. arc; $20^{\circ}56\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar.

Thence I run,
 N. $89^{\circ}52'$ E., on a true line, bet. secs. 3 and 10.
 Over rolling land, through dense undergrowth.

40.175 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, 1914 on S. rim, $\frac{1}{4}$ S 3 on N., and S 10 on S. half; dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, north of cor.

58.00 Wash, 15 lks. wide, 3 ft. deep, course NE.
 62.60 Same wash, course SE.
 65.40 Same wash, course NE.
 80.35 The cor. of secs. 2, 3, 10 and 11.
 Land, rolling.
 Soil, sandy loam and gumbo, gravelly, 1st and 2nd rate.
 No timber.
 Undergrowth, dense catclaw and mesquite.
 July 19, 1914.

July 18, 1914:
 N. $0^{\circ}2'$ E., on a true line, bet. secs. 2 and 3.
 Over rolling land, through dense undergrowth.

21.10 Wash, 22 lks. wide, 5 ft. deep, course NE.
 22.40 Same wash, brs. N. 15° W.
 26.80 Same wash, brs. NE.
 31.50 Wash, 8 lks. wide, 2 ft. deep, course E.
 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, 1914 on S. rim, $\frac{1}{4}$ S 3 on W., and S 2 on E. half; dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, west of corner.

77.44 Intersect the N. bdy. of the Tp., S. $89^{\circ}57'$ E., 694 lks. dist., from the reestablished cor. of secs. 34 and 35, T. 12 S., R. 27 E., hereinbefore described in my notes of resurvey

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Chains.

of north bdy, of Tp. 13 S., R. 27 E.
 At point of intersection, I set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. to secs. 2 and 3, marked on brass cap,
 1914 on S. rim,
 C C S of center,
 T 12 S S 34 S 35 in N.,
 T 13 S in S., and
 R 27 E in W. half;
 S 2 in SE., and
 S 3 in SW. quadrant;
 dig pits 24x18x12 ins., crosswise on each line, E. and W. 3 ft., and S. of post, 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, south of cor.

Land, rolling.

Soil, sandy loam and gumbo, gravelly, 1st to 3rd rate.

No timber.

Undergrowth, scattering, with patches of dense catclaw and mesquite. July 18, 1914.

 June 22, 1914: At 8h. a.m., l.m.t., I set off 32°15' N. on the lat. arc; 23°27½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on the south bdy. of the Tp., established by me, as described in Book "A." Thence I run,

N. 0°3' E., bet. secs. 35 and 36.

Through scattering timber and dense undergrowth. Descend NE. slope, 25 ft. to

1.00 Draw, course east. Ascend SE. slope, 425 ft. to

18.50 Top of ascent; continue along east slope.

30.00 Ascend SE. slope, 155 ft.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, on bedrock, supported by a mound of stone for ¼ sec. cor., marked on brass cap,

1914 on S. rim,

¼ S 35 on W., and

S 36 on E. half; from which,

A juniper, 8 ins. in diam., brs. S. 11½° E., 84 lks. dist., marked ¼ S 36 B T.

A juniper, 24 ins. in diam., brs. S. 46¾° W., 302 lks. dist., marked ¼ S 35 B T.

42.00 Ridge, brs. NE. and SW.; descend north slope.

50.00 Descend NE. slope.

70.00 Gulch, course NW., 565 ft. below ridge; ascend SW. slope, 30 ft. to

73.00 Spur slopes west; descend NW. slope, 300 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground, on bedrock, supported by a mound of stone for the cor. of secs. 25, 26, 35 and 36, marked on brass cap,

1914 on S. rim,

T 13 S S 26 in NW.,

R 27 E S 25 in NE.,

S 36 in SE., and

S 35 in SW. quadrant; from which,

A cedar limb, 10 ins. in diam., brs. N. 6½° E., 83 lks. dist., marked T 13 S R 27 E S 25 B T.

No other trees available. Raise a mound of stone 2 ft. base, 1½ ft. high, 8 ft. SW. of cor. Impracticable to build on the west. Pits impracticable.

Land, mountainous.

Soil, rocky, granite formation, 4th rate.

Timber, scattering juniper and oak.

Undergrowth, dense scrub oak and cacti.

June 22, 1914.

 June 26, 1914:

West, on a random line, bet. secs. 26 and 35.

40.00 Set temp. ¼ sec. cor.

79.98 Intersect N. and S. line, 21 lks. N. of the cor. of secs. 26, 27, 34 and 35.

Thence I run,

N. 89°51' E., on a true line, bet. secs. 26 and 35.

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Chains.

Over rolling land, slopes north, through scattering timber and dense undergrowth.

10.00 Ascend NW. slope.

24.00 Gulch, course NW.; ascend west slope.

36.00 Spur, slopes NW., 550 ft. above sec. cor.; continue along north slope.

39.99 Set an iron post 3 ft. long, 1 in. in diam., 16 ins. in the ground, on bedrock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1914 on S. rim,
 $\frac{1}{4}$ S 26 on N., and
 S 35 on S. half; from which,
 An oak, 16 ins. in diam., brs. N. 6° E., 76 lks. dist., marked $\frac{1}{4}$ S 26 B T.
 An oak, 14 ins. in diam., brs. S. 38° E., 90 lks. dist., marked $\frac{1}{4}$ S 35 B T.

45.00 Ascend NW. slope.

60.00 Ascend west slope.

70.00 Ridge, brs. N. and S., 750 ft. above 45 ch. point. Descend east slope, 350 ft. to

79.25 Gulch, course N.; ascend NW. slope, 40 ft. to

79.98 The cor. of secs. 25, 26, 35 and 36.
 Land, mountainous and rolling.
 Soil, rocky, granite formation, 3rd and 4th rate.
 Timber, scattering oak and cedar.
 Undergrowth, dense catclaw, mesquite and scrub oak.
 June 26, 1914.

June 22, 1914:

Knowing from the closing of the south bdy. of this Tp., that there will be closing corners all along the east bdy. of this Tp., I run,
 East, on a true line, bet. secs. 25 and 36.
 Through scattering timber and dense undergrowth. Ascend NW. slope, 125 ft. to

4.00 Spur slopes N.; descend NE. slope, 20 ft. to

4.75 Draw, course N.; ascend NW. slope, 45 ft. to

7.00 Spur, slopes north; descend NE. slope, 20 ft. to

9.50 Draw, course N.; ascend west slope, 125 ft. to

15.60 Spur slopes N.; descend east slope, 30 ft. to

17.50 Draw, course N.; ascend west slope, 45 ft. to

20.00 Spur ridge, slopes north.

Note: At this point, June 22, 1914, I set off 23° 27' N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 32° 15½' N.; at this station, I stadia across head of rocky draw, course NE. Rod reading 2.190 ft., ratio, 1 ft. = 2.00 chs., focal constant, 1.025 ft., vertical angle plus 8°; the distance is therefore .9806 x 2 x 2.190 plus .016 = 4.31 chs., which added to 20.00 chs., makes 24.31 chs.

24.31 Spur, slopes NE., 40 ft. above last spur; descend NE. slope, 125 ft. to

30.00 Draw, course N.; ascend west slope, 15 ft. to

32.00 Spur, slopes north; descend east slope, 30 ft. to

36.00 Draw, course N.; ascend west slope, 20 ft. to

39.00 Spur ridge, slopes north; descend east slope.

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,
 1914 on S. rim,
 $\frac{1}{4}$ S 25 in N., and
 S 36 on S. half;
 raise a mound of stone 2 ft. base, 1½ ft. high, North of corner. Pits impracticable.

40.40 A point 40 ft. below spur ridge; stadia across rocky box canyon, course N. about 100 ft. deep; rod reading 2.980 ft., ratio 1 ft. = 2.00 chs., focal constant, 1.025 ft., angle of depression - 1° the distance is therefore .9997 x 2 x 2.980 plus .016 = 5.97 chs., which added to 40.40 chs., makes 46.37 chs.

46.37 Ascend NW. slope, 210 ft. to

54.00 Spur ridge, slopes NE.; descend east slope, 95 ft. to

63.50 Draw, course N., ascend NW. slope, 20 ft. to

40. Subdivision of Township 13 South, Range 27 East.

Chains.
 65.00 Spur ridge, slopes N.; descend east slope, 60 ft. to
 70.25 Draw, course N.; ascend NW. slope, 85 ft. to
 74.01 Ridge, brs. NE. and SW. Intersect the east bdy. of the township, N. $0^{\circ}6'$ E., 277 lks. dist.; from the cor. of secs. 30 and 31, T. 13 S., R. 28 E., originally corner of secs. 25, 30, 31 and 36, but changed by me to refer to secs. 30 and 31, T. 13 S., R. 28 E. only, as hereinbefore described in my notes of Resurvey of part of the East bdy. of T. 13 S., R. 27 E. At the point of intersection on the south side of a granite boulder 30x20x10 ft., I set an iron post 3 ft. long, 2 ins. in diam., on bedrock, supported by a mound of stone, for closing corner to secs. 25 and 36, marked on brass cap,
 1914 on S. rim,
 C C E of center,
 T 13 S in N., and
 S 30, S 31 R 28 E in E. half;
 S 25 in NW., and
 S 36 R 27 E in SW. quadrant;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, west of corner. Pits impracticable.
 Land, mountainous.
 Soil, rocky, granite formation, 4th rate.
 Timber, scattering cedar and oak.
 Undergrowth, dense scrub oak and cedar.
 June 22, 1914.

June 23, 1914: At 8h. 30m. a.m., 1.m.t., I set off $32^{\circ}15\frac{1}{2}'$ N. on the lat. arc; $23^{\circ}27'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 25, 26, 35 and 36.
 Thence I run,
 N. $0^{\circ}3'$ E., bet. secs. 25 and 26.
 Through scattering timber and dense undergrowth. Descend NW. slope, 60 ft. to
 2.00 Gulch, course NE.; ascend SE. slope, 70 ft. to
 14.00 Spur, slopes NE.; descend east slope, 145 ft. to
 27.00 Draw, course NE.; ascend E. slope, 25 ft. to
 32.00 Ridge, brs. NE. and SW.; descend NW. slope, 830 ft.
 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,
 1914 on S. rim,
 $\frac{1}{4}$ S 26 on W., and
 S 25 on E. half; from which,
 A cedar limb, 7 ins. in diam., brs. S. 14° E., 35 lks. dist., marked $\frac{1}{4}$ S 25 B T.
 A cedar limb, 6 ins. in diam., brs. S. 55° W., 73 lks. dist., marked $\frac{1}{4}$ S 26 B T.
 76.00 Draw, course SW.; ascend SW. slope, 40 ft. to
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 2 ins. in the ground, on bedrock, supported by a mound of stone for the cor. of secs. 23, 24, 25 and 26, marked on brass cap,
 1914 on S rim,
 T 13 S S 23 in NW.,
 R 27 E S 24 in NE.,
 S 25 in SE., and
 S 26 in SW. quadrant; from which,
 A cedar limb, 5 ins. in diam., brs. S. 24° E., 134 lks. dist., marked T 13 S R 27 E S 25 B T.
 No other trees within limits. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, west of cor. Pits impracticable.
 Note: At this corner, June 23, 1914, I set off $23^{\circ}27'$ N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is $32^{\circ}16\frac{1}{2}'$ N.
 Land, mountainous.
 Soil, rocky, granite formation, 4th rate.
 Timber, scattering cedar and oak.
 Undergrowth, dense scrub oak and catclaw.
 June 23, 1914.

June 25, 1914:
 S. $89^{\circ}51'$ W., on a random line, bet. secs. 23 and 26.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.

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Subdivision of Township 13 South, Range 27 East, 41.

- Chains.
- 80.04 Intersect the N. and S. line, 42 lks. S. of the cor. of secs. 22, 23, 26 and 27.
Thence I run,
S. 89° 51' E., on a true line, bet. secs. 23 and 26.
Through scattering timber and dense undergrowth; ascend SW. slope, 6 ft. to
- 1.25 Rocky spur, slopes SE.; descend east slope.
- 28.50 Draw, course SE.; descend SE. slope.
- 40.02 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, on bedrock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
1914 on S. rim,
 $\frac{1}{4}$ S 23 on N., and
S 26 on S. half;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, north of corner. Pits impracticable.
- 46.50 Foot of mountain brs. NE. and SW., 1020 ft. below rocky spur; continue over rolling land.
- 55.00 Buckeye Wash, 150 lks. wide, 4 ft. deep, course north.
- 67.50 Wagon road, brs. NE. and SW.
- 70.00 Foot of mountain, brs. N. and S.; ascend west slope, 230 ft. to
- 80.04 The cor. of secs. 23, 24, 25 and 26.
Land, mountainous and rolling.
Soil, on mountain, rocky, granite formation, 4th rate; balance, sandy loam and gumbo, gravelly, 2nd and 3rd rate.
Timber, scattering cedar and oak, with scattering ash, sycamore and walnut along Buckeye Wash.
Undergrowth, dense mesquite, catclaw, and scrub oak.
June 25, 1914.
-
- June 23, 1914:
East on a true line, bet. secs. 24 and 25.
Ascend SW. slope, through scattering timber and dense undergrowth.
- 4.00 Ascend west slope.
- 28.00 Spur ridge, slopes NE., 380 ft. above cor.; descend east slope, 620 ft.
- 32.20 Prospect hole about 50 lks. north.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground, on bedrock, supported by a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap,
1914 on S. rim,
 $\frac{1}{4}$ S 24 on N., and
S 25 on S. half;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, north of corner. Pits impracticable.
- 57.00 Foot of mountain, brs. N. and S.; continue over rolling land.
- 58.00 Wash, 50 lks. wide, 6 ft. deep, course NE.
- 73.80 Intersect the east bdy. of the Tp., N. 0° 10' W., 398 lks. dist., from the cor. of secs. 19 and 30, T. 13 S., R. 28 E., originally the cor. to secs. 19, 24, 25 and 30, but changed by me to refer to secs. 19 and 30, T. 13 S., R. 28 E., only, as hereinbefore described in my notes of Resurvey of part of the east bdy. of T. 13 S., R. 27 E.
At point of intersection, I set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. to secs. 24 and 25, marked on brass cap,
1914 on S. rim,
C C E of center,
T 13 S in N., and
S 19, S 30 R 28 E in E. half;
S 24 in NW., and
S 25 R 27 E in SW. quadrant;
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, west of corner. Pits impracticable.
Land, mountainous and rolling.
Soil, all rocky granite formation, 4th rate,
Timber, scattering cedar.
Undergrowth, dense scrub oak, mesquite and cacti.
-

42. Subdivision of Township 13 South, Range 27 East.

Chains	
	N. $0^{\circ} 3'$ E., bet. secs. 23 and 24.
	Through dense undergrowth; ascend SW. slope, 10 ft. to
1.50	Spur, slopes SW.; descend NW. slope, 260 ft. to
15.50	Foot of mountain, brs. NE. and SW.; continue over rolling land.
15.70	Wagon road, brs. NE. and SW.
20.40	G.S. Shephard's tent, about 250 lks. west.
26.00	Buckeye Wash, 60 lks. wide, 4 ft. deep, course NE.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim, $\frac{1}{4}$ S 23 on W., and S 24 on E. half; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, west of cor. Pits impracticable. June 23, 1914.
80.00	June 24, 1914: At 7h. a.m., l.m.t., I set off $32^{\circ} 17'$ N. on the lat. arc; $23^{\circ} 27'$ N. on the decl. arc; and determine a meridian with the solar at this $\frac{1}{4}$ sec. cor. Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 13, 14, 23 and 24, marked on brass cap, 1914 on S rim, T 13 S S 14 in NW., R 27 E S 13 in NE., S 24 in SE., and S 23 in SW. quadrant; raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, west of cor. Pits impracticable.
	Land, mountainous and rolling. Soil, rocky, granite formation, 4th rate on south 15.50 chs. Sandy loam and gumbo, gravelly, 1st to 3rd rate on N. 64.50 chs. No timber. Undergrowth, dense catclaw and mesquite. June 24, 1914.

	June 29, 1914:
40.00	N. $89^{\circ} 51'$ W. on a random line, bet. secs. 14 and 23.
79.98	Set temp. $\frac{1}{4}$ sec. cor. Intersect the N. and S. line, 7 lks. north of the cor. of secs. 14, 15, 22 and 23. Thence I run, S. $89^{\circ} 54'$ E., on a true line, bet. secs. 14 and 23. Over gently rolling land, through dense undergrowth.
6.00	Wash, 12 lks. wide, 4 ft. deep, course NE.
22.00	Wash, 30 lks. wide, 3 ft. deep, course NE.
39.99	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S rim, $\frac{1}{4}$ S 14 on N., and S 23 on S. half; raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, north of corner. Pits impracticable.
	Note: At this corner, June 29, 1914, I set off $23^{\circ} 16'$ N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is $32^{\circ} 17\frac{1}{2}'$ N.
40.50	Wash, 30 lks. wide, 4 ft. deep, course north.
54.00	Wash, 15 lks. wide, 3 ft. deep, course north.
79.98	The cor. of secs. 13, 14, 23 and 24. Land, rolling. Soil, sandy loam and gumbo, gravelly, 1st and 3rd rate. No timber. Undergrowth, dense catclaw and mesquite. June 29, 1914.

	June 24, 1914:
	East, on a true line, bet. secs. 13 and 24. Over gently rolling land, through dense undergrowth.
30.00	Wash, 50 lks. wide, 18 ins. deep, course north.
39.50	Wash, 10 lks. wide, 2 ft. deep, course NE.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap, 1914 on S. rim,

Subdivision of Township 13 South, Range 27 East, 43.

Chains.

$\frac{1}{4}$ S 13 on N., and
 S 24 on S. half;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, north of
 corner. Pits impracticable.

42.00 Wash, 10 lks. wide, 2 ft. deep, course north.
 46.50 Wash, 10 lks. wide, 2 ft. deep, course north.
 73.77 Intersect the east bdy. of the Tp., N. $0^{\circ}4'$ W., 371 lks. dist.,
 from the cor. of secs. 18 and 19, T. 13 S., R. 28 E., reestab-
 lished by me, as hereinbefore described. At point of
 intersection, I set an iron post 3 ft. long, 2 ins. in
 diam., 24 ins. in the ground, for closing cor. to secs. 13
 and 24, marked on brass cap,
 1914 on S. rim,
 C C E of center,
 T 13 S in N., and
 S 18, S 19 R 28 E in E. half;
 S 13 in NW., and
 S 24 R 27 E in SW. quadrant;
 dig pits 24x18x12 ins. crosswise on each line, N. and S.
 3 ft., and W. of post, 7 ft. dist., and raise a mound of
 earth 4 ft. base, 2 ft. high, west of cor.
 Land, rolling.
 Soil, sandy loam and gumbo, gravelly, 1st to 3rd rate.
 No timber.
 Undergrowth, dense catclaw and mesquite.

N. $0^{\circ}3'$ E., bet. secs. 13 and 14.
 Over gently rolling land, through dense undergrowth.

36.50 Wash, 30 lks. wide, 2 ft. deep, course NE.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1914 on S. rim,
 $\frac{1}{4}$ S 14 on W., and
 S 13 on E. half;
 dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist., and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, west of
 cor.

47.55 Old wagon road, brs. NE and SW.
 57.00 Wash, 20 lks. wide, 4 ft. deep, course NE.
 64.25 Wash, 15 lks. wide, 4 ft. deep, course NE.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the
 ground, for the cor. of secs. 11, 12, 13 and 14, marked on
 brass cap, 1914 on S. rim,
 T 13 S S 11 in NE.,
 R 27 E S 12 in NE.,
 S 13 in SE., and
 S 14 in SW. quadrant;
 raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, west of
 corner. Pits impracticable.
 Land, rolling.
 Soil, sandy loam and gumbo, gravelly, 1st and 3rd rate.
 No timber.
 Undergrowth, dense catclaw and mesquite.
 June 24, 1914.

June 29, 1914:
 N. $89^{\circ}54'$ W., on a random line, bet. secs. 11 and 14.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.84 Intersect the N. and S. line, 2 lks. S. of the cor. of secs.
 10, 11, 14 and 15.
 Thence I run,
 S. $89^{\circ}53'$ E., on a true line, bet. secs. 11 and 14.
 Over gently rolling land, through dense undergrowth.

15.60 Wagon road brs. N. and SW.
 39.92 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,
 1914 on S. rim,
 $\frac{1}{4}$ S 11 on N., and
 S 14 on S. half;
 dig pits 18x18x12 ins., E and W. of post, 3 ft. dist.,
 and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
 north of corner.

44. Subdivision of Township 13 South, Range 27 East.

Chains.

50.75 Wagon road, brs. NE. and SW.
 79.15 Wagon road, brs. NE. and SW.
 79.84 The cor. of secs. 11, 12, 13 and 14.
 Land, rolling.
 Soil, sandy loam and gumbo, gravelly, 1st to 3rd rate,
 No timber.
 Undergrowth, dense mesquite, cacti and catclaw.
 June 29, 1914.

June 24, 1914:
 East, on a true line, bet. secs. 12 and 13.
 Over gently rolling land, through dense undergrowth.
 37.00 Wash, 30 lks. wide, 4 ft. deep, course NE.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
 1914 on S. rim,
 $\frac{1}{4}$ S 12 in N., and
 S 13 in S. half;
 dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist.,
 and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
 north of corner.

47.55 Old wagon road, brs. NE. and SW.
 50.00 Wash, 20 lks. wide, 4 ft. deep, course NE.
 73.60 Intersect the east bdy. of the Tp., N. $0^{\circ}3'$ W., 304 lks.
 dist., from the cor. of secs. 7 and 18, T. 13 S., R. 28
 E., reestablished by me, as hereinbefore described.
 At point of intersection, I set an iron post 3 ft. long,
 2 ins. in diam., 24 ins. in the ground, for closing
 corner to secs. 12 and 13, marked on brass cap,
 1914 on S. rim,
 C C E of center,
 T 13 S in N., and
 S 7, S 18 R 28 E in E. half;
 S 12 in NW., and
 S 13 in SW. quadrant;
 dig pits, 24x18x12 ins., crosswise on each line, N. and
 S. 3 ft., and west of post 7 ft. dist., and raise a mound
 of earth 4 ft. base 2 ft. high, west of corner.
 Land, rolling.
 Soil, sandy loam and gumbo, gravelly, 1st to 3rd rate.
 No timber.
 Undergrowth, dense catclaw and mesquite.

Note: At the cor. of secs. 11, 12, 13 and 14, June 24, 1914,
 I set off $23^{\circ}26'$ N. on the decl. arc; and at apparent
 noon, observe the sun on the meridian; the resulting
 latitude is $32^{\circ}18'$ N.
 Thence I run,
 N. $0^{\circ}3'$ E., bet. secs. 11 and 12.
 Over gently rolling land, through dense undergrowth.
 .25 Wagon road, brs. NE. and SW.
 14.50 Wash, 10 lks. wide, 1 ft. deep, course east.
 32.15 Wagon road brs. NE. and SW.
 39.00 Road brs. E. and W.
 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,
 1914 on S. rim,
 $\frac{1}{4}$ S 11 on W., and
 S 12 on E. half;
 dig pits 18x18x12 ins., N. and S. of post, 3 ft. dist.
 and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
 west of corner.

Subdivision of T. 13 S., R. 27 E.

Chains

N. and S. of post, 1 1/2 ft. dist.; dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

44.15 Wagon road, bears NE. & SW. 1/4, high, N. of cor.
 61.00 Wash, 40 lks wide, 2 ft. deep, course NE.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 1, 2, 11 and 12, marked on brass cap; 1914 on S, rim,
 T13S S2 in NW.,
 R27E S1 in NE.,
 S12 in SE. and
 S11 in SW. quadrant; dig pits, 18x18x12 ins. in each sec. 5 1/2 ft. dist, and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
 Land, rolling.
 Soil, sandy loam and gumbo, 1st and 2nd rate.
 No timber.
 Undergrowth, scattering with patches of dense mesquite and catclaw.

June 24, 1914.

July 19, 1914

N. 89° 53' W., on a random line, bet, secs. 2 and 11.
 40.00 Set temp. 1/4 sec. cor.
 79.91 Intersect the N. and S. line, 14 lks. S. of the cor. of secs. 2, 3, 10 and 11.
 Thence I run
 S. 89° 47' E., on a true line, bet. secs. 2 and 11.
 390955 Over gently rolling land, through scattering undergrowth. Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. marked on brass cap; 1914 on S. rim,
 1/2 S2 on N. and
 S11 on S. half; dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.
 79.91 The cor. of secs. 1, 2, 11 and 12.
 Land, rolling.
 Soil, sandy loam and gumbo, gravelly, 1st and 2nd rate.
 No timber.
 Undergrowth, scattering with patches of dense catclaw and mesquite.

July 19, 1914.

June 24, 1914

East, on a true line, bet. secs. 1 and 12.
 Over gently rolling land, through scattering undergrowth.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap; 1914 on S. rim,
 1/2 S1 on N. and
 S12 on S. half; dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.
 40.15 Wash, 40 lks. wide, 2 ft. deep, course NE.
 73.45 Intersect the E. bdy. of the Tp., N. 0° 6' E., 244 lks. dist., from the cor. of secs. 6 and 7, T. 13 S. R. 28 E., reestablished by means hereinbefore described in my notes of resurvey of part of E. bdy. of T. 13 S. R. 27 E., at point of intersection. In set an iron post 3 ft. long, 2 ins. in diam. & 24 ins. in the ground, for closing cor. to secs. 1 and 12, marked on brass cap; 1914 on S. rim,
 COURSE of center;
 T13S in N. and
 S6 S7 R28E in E. half;
 S1 in NW. and
 S12 R27E in SW. quadrant; dig pits, 24x18x12 ins. crosswise on each line, N. and S., 3 ft., and W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
 Land, rolling.
 Soil, sandy loam and gumbo, gravelly, 1st and 2nd rate.
 No timber.
 Undergrowth, scattering with patches of dense mesquite and catclaw.

June 24, 1914.

46 Chains

Subdivision of T.13 S., R. 27 E.

40.00

N. $0^{\circ} 3' E.$, on a true line, bet. secs. 1 and 2.
Over gently rolling land, through scattering 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; 1914
on S. rim,

$\frac{1}{4}$ S2 on W. and

S1 on E. half; dig pits, 18x18x12 ins. N. and
S. of post, 3 ft. dist., and raise a mound of earth, $3\frac{1}{2}$
ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

77.69

Intersect the N. bdy. of the Tp., S. $89^{\circ} 57' E.$, 670 lks.
dist., from the cor. of secs. 35 and 36, T. 12 S., R.
27 E., reestablished by me as described in my notes of
resurvey of N. bdy. of T.13 S., R. 27 E., in this book as
described. At point of intersection I set an iron post
3 ft. long, 2 ins. in diam., 24 ins. in the ground for
closing cor. to secs. 1 and 2, marked on brass cap; 1914
on S. rim,

CC S. of center;

T12S S35 S36 in N.,

T13S in S. and

R27E in W. half;

S1 in SE. and

S2 in SW. quadrant; dig pits, 24x18x12

ins. crosswise on each line, E. and W., 3 ft., and
S. of post, 7 ft. dist., and raise a mound of earth,
4 ft. base, 2 ft. high, S. of cor.

Land, rolling.

Soil, sandy loam and gumbo, gravelly, 1st and 2nd rate.
No timber.

Undergrowth, scattering with patches of dense mesquite
and catclaw.

June 24, 1914.

General Description.

This Tp. contains nearly every variety of land, from
plains to mountains. The soil ranges from very rocky to rich
sandy loam. The soil of the northern part of the township
is sandy loam and gumbo mixed with gravel, 1st to 3rd
rate, capable of producing abundant crops with irrigation,
the settlers are trying dry farming with some success.
The southern and mountainous part of the township is
very rocky, granite formation, 4th rate (Dos Cabezas Mts.)

Scattering oak, juniper and cedar on the mountains,
scattering sycamore, cottonwood, ash and walnut along
Buckeye and Gold Gulch washes.

There are settlers in secs. 6, 7, 12, 14, 15, 16, 18,
21, 23, 30 and 32.

William B. Kimmel.

U.S. Surveyor.

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BOOK 2779

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

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191 _____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191 _____



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona June 19 _____, 191 5

The foregoing field notes of the survey of the Subdivision Lines
Resurvey of the North and part of the East bdy., and
Retracement of part of the East bdy. of
Township 13 South Range 27 East of the
Gila & Salt River Base & Meridian in the State of Arizona

executed by William B. Kimmel U.S. Surveyor
under his special instructions dated December 30, 1913 for Group 26, ~~191~~ _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the **retracements & resurveys** surveys they describe, are hereby approved.

Frank S. Ingalls

U. S. Surveyor General.
of Arizona.

~~I certify that the foregoing transcript of the field notes of the above described surveys in _____, has been correctly copied from the original notes on file in this office.~~