

3130

Book "Q"

4-879

(Subdivisions)

BOOK 3130

APR 13 1916
NOV 21 1916

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION LINES

OF

TOWNSHIP 19 NORTH, RANGE 15 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Albert Smith, Jr., U.S. Surveyor,

and

Ray D. Armstrong, U. S. Transitman,

~~In the capacity of U. S. Surveyor~~, under instructions dated January 7., 1915,

issued by the United States Surveyor General to govern surveys included in

Group No. 46, which were approved by the Commissioner of the General Land

Office, January 22., 1915.

Survey commenced April 12., 1916.

Survey completed May 27., 1916.

under Assignment
Instructions dated Jan. 28, 1915 and Nov. 6, 1915.

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Book "Q"
(Subdivisions)
Group 46- Arizona.

BOOK 3130

INDEX DIAGRAM.

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 Subdivision lines surveyed under this Group.

 Township boundaries surveyed under this Group.
Notes in Book "B." 3115

 Township boundaries resurveyed under this Group.
Notes in Book "B." 3115

SUBDIVISION OF
 TOWNSHIP 19 NORTH, RANGE 15 WEST.
DATE DIAGRAM.

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12-22-15	12-22-15	12-22-15	12-22-15	12-22-15	12-22-15	12-22-15	12-22-15

Lines dated in red were surveyed by Albert Smith, Jr., U. S. Surveyor.

Lines dated in black were surveyed by Ray D. Armstrong, U. S. Transitman.

Lines dated in green were surveyed by William L. Nash, U. S. Transitman.

Lines dated in blue were surveyed by Howard G. Mason, U. S. Transitman.

Lines dated in yellow were surveyed by Mans H. Coffin, Jr. U. S. Transitman.

2. Subdivision of Township 19 North, Range 15 West.

Chains.

The surveys described in the following field notes were begun by Albert Smith, Jr., U.S. Surveyor, chief of party, using transit number 8583, working jointly with Ray D. Armstrong, U.S. Transitman, associate, using transit number 8396, up to May 19, 1916, when Mr. Smith went on sick leave, and Mr. Armstrong assumed charge of the party. Work thereafter was continued by him jointly with William L. Nash, U.S. Transitman, associate, using transit number 8583.

The instruments are Young and Sons' light mountain transits with Smith solar attachments. The horizontal limbs are provided with two double verniers reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The transits were approved by the assistant supervisor of surveys for Arizona and California, subject to satisfactory field tests, under assignment instructions for Groups 41 and 42, on Nov. 29, 1915.

Tests of Instruments.

April 14, 1916.--Albert Smith, Jr., Observer.

At my camp near the center of sec. 23, in latitude $35^{\circ}01'$ N.; longitude, $113^{\circ}51'W.$, at 4h. 00m. p.m., l.m.t., I set off $35^{\circ}01'$ on the lat. arc; $9^{\circ}34\frac{1}{2}'N.$ on the decl. arc, and determine a meridian with the solar, marking a point in the same by a tack driven in a wooden stake firmly set in the ground 5 chs. N. of my station.

April 15, 1916.

At the above station, at 5h. 58.3m., l.m.t., I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark a point in the line thus determined by a nail driven in a wooden stake firmly set in the ground east of the point established last night.

At 7h. 45m. a.m., I turn off the azimuth of Polaris $1^{\circ}23'$ to the west, and mark the meridian thus determined by a tack driven in a wooden stake approximately in line with that set by the solar, the difference in direction being less than one minute of arc.

At 8h. 00m. a.m., l.m.t., I set off $35^{\circ}01'$ on the lat. arc; $9^{\circ}48'N.$ on the decl. arc; and determine a meridian with the solar, which agrees within less than one minute of arc with the positions previously defined.

The observations with the solar above described were duplicated at the same station by Mr. Armstrong with transit number 8396, securing practically identical results.

The positions defined for the meridian by a.m. and p.m. observations with both transits agreeing within less than one minute of arc with the true meridian as determined by observations on Polaris, it is concluded that the adjustments are satisfactory. Level and collimation adjustments were previously examined and found satisfactory.

The magnetic bearing of the true meridian at 8h. 00m., a.m., l.m.t., is $N.14^{\circ}45'W.$ The angle thus determined gives for the magnetic declination $14^{\circ}45'E.$

From the cor. of secs. 1, 2, 35 and 36 on S. bdy. of Tp., described in Book "B"

Thence $N.0^{\circ}01'W.$, bet. secs. 35 and 36.

Through scattering timber and dense undergrowth.
Descend 535 ft., over broken N. slope.

40.00

Set a stone, $24 \times 8 \times 5$ ins., 10 ins. in the ground, and 10 ins. in a mound of stone (impracticable to set stone farther in the ground) for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Impracticable to set iron post at this point.

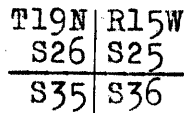
52.65

Descend 225 ft. on broken N. slope.
Blue Tanks wash, containing stream 15 lks. wide, course SE.
Ascend 560 ft. on broken S. slope.

Subdivision of T. 19 N., R. 15 W.

Chains

71.50 Spur slopes SE.. Thence along E. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, with brass cap, marked



1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous.
Soil, rocky; 3rd and 4th rate.
Timber, pinyon and cottonwood.
Undergrowth, mahogany, palo cristo, manzanita and catclaw.

40.00 East, on a random line, bet. secs. 25 and 36.
Set temp. 1/4 sec. cor.
80.00 Intersect the reestablished cor. of secs. 25, 30, 31 and 36, on E. bdy. of Tp., described in Book "B."

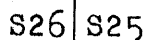
Thence West, on a true line, bet. secs. 25 and 36, over mountainous land, through scattering timber and dense undergrowth. Asc. E. slope.

7.30 Desc. broken S. slope.
18.75 Asc. broken S. slope.
21.85 Spring branch, 2 lks. wide, course S.
27.10 Spur slopes S. Desc. on S. slope.
32.50 Ravine, course SE. Asc. on E. slope.
40.00 Set a stone, 26x12x4 ins., 8 ins. in the ground and 14 ins. in a mound of stone, (impracticable to set stone farther in the ground) for 1/4 sec. cor., marked 1/4 on N. face, and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Impracticable to set iron post.

Asc. on broken E. slope.
48.75 Spur slopes S. Asc. 130 ft., on S. slope.
61.00 Spur slopes S. Desc. 160 ft., on W. slope.
70.35 Spring branch, 1 lk. wide, course SE. Asc. on E. slope 150 ft.
80.00 The cor. of secs. 25, 26, 35 and 36.

Land, mountainous.
Soil, rocky; 3rd and 4th rate.
Timber, pinyon pine.
Undergrowth, crucifixion thorn, mahogany, oak brush and manzanita.

NE 1/4 NW, bet. secs. 25 and 26,
over mountainous land, through dense undergrowth.
Desc. 50 ft., on N. slope.
.80 Ravine, course E. Asc. 155 ft., on S. slope.
15.20 Spur slopes SE. Desc. 35 ft., on NE. slope.
19.90 Ravine, course SE. Asc. 530 ft., on SE. slope.
40.00 On ridge bearing NW. and SE.,
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked



1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Desc. 180 ft., on NE. slope.
52.70 Draw, course E. Asc. 130 ft., along E. slope.

Subdivision of T. 19 N., R. 15 W.

Chains

68.00 Spur ridge extends E. Desc. 140 ft., on N. slope.
78.30 Ravine, course NE. Asc. 20 ft., along E. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on bed rock, surrounded by a mound of stone, for cor. of secs. 23, 24, 25 and 26, with brass cap, marked

T19N	R15W
S23	S24
S26	S25

1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, oak brush, mahogany, cactus and crucifixion thorn.

40.00 East on a random line, bet. secs. 24 and 25.
Set temp. ¼ sec. cor.
80.02 Intersect E. bdy. of Tp. 7 lks. S. of reestablished cor. of secs 19, 24, 25 and 30, described in book "B."

Thence S.89°57'W., on a true line, bet. secs. 24 and 25, over mountainous land, through dense undergrowth.

Asc. 295 ft., on E. slope.

24.30 Spur slopes NE. Desc. 70 ft., on W. slope.
29.70 Ravine, course NW. heads 8 chs. S. of line. Asc. on broken E. slope.

40.01 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked

S 24
¼ -----
S 25
1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

67.30 Continue to asc. broken E. slope.
Spur, 445 ft. above ravine, slopes N. 10 chs. to end.
Thence along N. slope.

77.15 Ravine, course NE. Asc. E. slope, 50 ft.

80.02 The cor. of secs. 23, 24, 25 and 26.

Land, mountainous.

Soil, rocky; 4th rate.

Undergrowth, oak brush, mahogany, cactus and crucifixion thorn.

No timber.

N.0°01'W., bet. secs. 23 and 24, over mountainous land, through dense undergrowth, along E. slope.

3.20 Spur slopes NE. Desc. 210 ft., on N. slope.

16.00 Ravine, course NNE. Asc. 125 ft., on S. slope.

21.50 Spur slopes E. Desc. NE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, to bed rock, for ¼ sec. cor., with brass cap, marked

¼
S23 S24

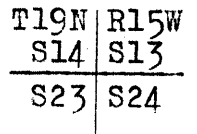
1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Raise a mound of stone around post.

Subdivision of T. 19 N., R. 15 W.

Chains

42.60 Continue descent on NE. slope.
 Cedar Wash, 315 ft. below spur, containing stream 6 lks. wide, course SE. Asc. 410 ft., on SW. slope.
 63.70 Ridge bears E. and W. Desc. 195 ft., on N. slope.
 71.70 Draw, course E. heads 10 chs. W. Asc. 60 ft., on S. slope.
 73.00 Spur slopes E. Desc. 170 ft., on broken N. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, to bed rock, for cor. of secs. 13, 14, 23 and 24, with brass cap, marked



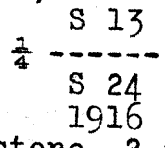
1916
 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, oak brush, mahogany, catclaw and crucifixion thorn.

40.00 East, on a random line, bet. secs. 13 and 24.
 Set temp. ¼ sec. cor.
 80.18 Intersect E. bdy. of Tp. 17 lks. N. of reestab. cor. of secs. 13, 18, 19 and 24, described in book "B"

Thence N. 89° 53' W., on a true line, bet. secs. 13 and 24, over mountainous land, through dense undergrowth. Desc. 115 ft., on broken W. slope.

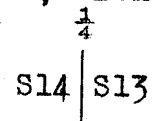
14.10 Wash, course NE., width, 10 lks. Asc. on broken N. slope.
 40.09 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked



and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Continue to asc. on broken N. slope.
 43.45 Wash, 10 lks. wide, course NE. Asc. 310 ft., on N. slope.
 73.20 Spur slopes N. Desc. 100 ft., on NE. slope.
 80.18 The cor. of secs. 13, 14, 23 and 24.
 Soil, rocky; 4th rate. Land, mountainous.
 No timber.
 Undergrowth, oak brush, mahogany and cactus.

N. 0° 01' W., bet. secs. 13 and 14, over mountainous land, through dense undergrowth. Desc. 220 ft., on broken N. slope.
 11.70 Moss Wash, containing stream 6 lks. wide, course E. Asc. 65 ft., on broken SE. slope.
 19.50 Spur slopes SE. Desc. 30 ft., along E. slope.
 37.05 Draw, course SE. Asc. on rocky S. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked



1916
 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Continue to asc. on rocky S. slope.

6

Subdivision of T. 19 N., R. 15 W.

Chains

- 46.65 Spur, 160 ft. above draw, slopes SE. Thence along broken E. slope.
 75.00 Spur ridge extends S.70°E. Desc. 25 ft., on N. slope.
 75.90 Spring branch, course E. Thence along broken rocky E. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, with brass cap, marked

T19N	R15W
S11	S12
S14	S13

1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, oak brush and mahogany.

- 40.00 East, on a random line, bet. secs. 12 and 13.
 Set temp. ¼ sec. cor.
 80.06 Intersect E. bdy. of Tp. 2 lks. S. of reestab. cor. of secs. 7, 12, 13 and 18, described in book "B."

- Thence S.89°59'W., on a true line, bet. secs. 12 and 13, over mountainous land, through dense undergrowth.
 13.40 Wagon road bears N. and S.
 Asc. on broken E. slope.
 40.03 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked

S 12

¼

S 13

1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

- Continue to asc. on broken E. slope.
 61.25 Draw, course NE. Asc. 130 ft., on broken rocky E. slope.
 80.06 The cor. of secs. 11, 12, 13 and 14.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, oak brush and mahogany.

- N.0°01'W., bet. secs. 11 and 12, over mountainous land, through dense undergrowth, along broken and rocky E. slope.
 18.40 Spring branch, 1 lk. wide, course E. Asc. on broken S. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked

S11 | S12

1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

- Continue along broken E. slope.
 68.30 Stream, 2 lks. wide, course E. Asc. 110 ft., on S. slope.
 78.30 Ridge bears E. and W. Desc. on N. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, with brass cap, marked

Subdivision of T. 19 N., R. 15 W.

Chains

T19N	R15W
S2	S1
S11	S12

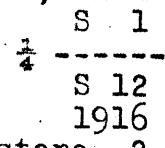
1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, oak brush, cactus and mahogany.

40.00 East, on a random line, bet. secs. 1 and 12.
 80.00 Set temp. ¼ sec. cor.
 Intersect E. bdy. of Tp. 12 lks. N. of reestab, cor. of secs. 1, 6, 7 and 12, described in book "B."

Thence N.89°55'W., on a true line, bet. secs. 1 and 12, over mountainous land, through dense undergrowth. Desc. 150 ft., on W. slope.
 9.30 Stream, 5 lks. wide, course SE. Asc. on E. slope.
 20.70 Wagon road bears N. and S.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked

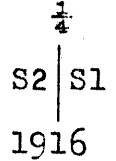


and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 45.50 Continue to asc. on S. slope.
 Spur, 440 ft. above stream, slopes SE. Asc. 180 ft., on broken SE. slope.
 71.30 Ridge bears NE. from W. Desc. 100 ft., on W. slope.
 80.00 The cor. of secs. 1, 2, 11 and 12.

Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, oak brush and mahogany.

40.00 N.0°01'W., on a random line, bet. secs. 1 and 2.
 80.20 Intersect N. bdy. of Tp. at the cor. of secs. 1, 2, 35 and 36, described in book "B".

Thence S.0°01'E., on a true line, bet. secs. 1 and 2, over mountainous land, through dense undergrowth, over broken E. slope.
 13.40 Ravine, course E. Thence along E. slope.
 20.30 Spur slopes E. Desc. 100 ft., over E. slope.
 40.20 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Continue along broken E. slope.
 56.45 Spur slopes E. Desc. 140 ft., on S. slope.
 63.45 Stream, 4 lks. wide, course E. Asc. 130 ft., on N. slope.
 80.20 The cor. of secs. 1, 2, 11 and 12.

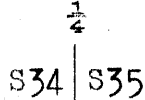
Chains

Land, mountainous.
Soil, rocky; 4th rate.
No timber.
Undergrowth, oak brush, mahogany, catclaw, Spanish dagger and cactus.

From the cor. of secs. 2, 3, 34 and 35, on S. bdy. of Tp. described in book "B"

Thence N.0°01'W., bet. secs. 34 and 35, over mountainous land, through scattering timber and dense undergrowth. Asc. 50 ft., along SW. slope.

1.90 Spur slopes W. Desc. 400 ft., on N. slope.
25.00 Asc. on S. slope.
29.00 Spur slopes S. Desc. on N. slope.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked



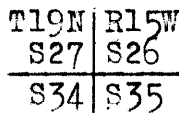
1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

47.95 Blue Tanks Wash, 185 ft. below spur, containing stream 15 lks. wide, course SE. Asc. 465 ft., on broken S. slope.

73.15 Spur slopes SE. Desc. 80 ft., on E. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, with brass cap, marked



1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

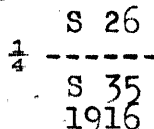
Land, mountainous.
Soil, rocky; 3rd and 4th rate.
Timber, pinyon pine, and cottonwood.
Undergrowth, oak brush, mahogany, crucifixion thorn, manzanita and catclaw.

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

40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect N. and S. line 17 lks. S. of the cor. of secs. 25, 26, 35 and 36.

Thence S.89°53'W., on a true line, bet. secs. 26 and 35, over mountainous land, through dense undergrowth. Asc. 170 ft., on E. slope.

9.70 Spur slopes SE. Desc. 350 ft., on broken W. slope.
29.90 Gulch, course S. Asc. broken E. slope.
39.95 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

48.75 Continue ascent on broken E. slope.
Spur, 230 ft. above gulch, slopes S. Desc. 270 ft., on broken W. slope.

Subdivision of T. 19 N. R. 15 W.

Chains

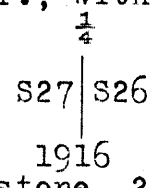
62.10 Wash, 40 lks. wide, course SE. . Asc. E. slope.
 67.65 Asc. S. slope.
 74.20 Thence along W. slope.
 77.10 Wash, 20 lks. wide, course S. Asc. E. slope.
 79.90 The cor. of secs. 26, 27, 34 and 35.

Land, mountainous.
 Soil, rocky; 3rd and 4th rate.
 No timber.
 Undergrowth, oak brush, mahogany, crucifixion thorn, cat-claw, mountain laurel and pinyon.

N.0°01'W., bet. secs. 26 and 27,
 over mountainous land, through dense undergrowth.
 Asc. 220 ft., on SW. slope.

14.43 Spur slopes SE. Desc. 185 ft., on N. slope.
 25.58 Gulch, course SE.
 29.00 Asc. on broken S. slope.

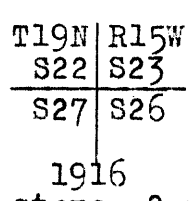
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

75.70 Continue ascent on broken S. slope.
 Ridge bears E. and W. Desc. 85 ft., on N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, with brass cap, marked



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.
 Soil, rocky; 2nd and 3rd rate.
 No timber.
 Undergrowth, oak brush, mountain mahogany, manzanita, catclaw, pinyon, mountain laurel and crucifixion thorn.

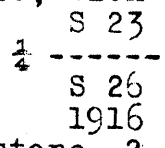
40.00 East, on a random line, bet. secs. 23 and 26.
 Set temp. $\frac{1}{4}$ sec. cor.

79.84 Intersect N. and S. line 28 lks. S. of the cor. of secs. 23, 24, 25 and 26.

Thence S.89°48'W., on a true line, bet. secs. 23 and 26, over mountainous land, through dense undergrowth.
 Asc. 550 ft., on E. slope.

24.60 Spur slopes NE.
 28.20 Spur slopes NW. Desc. 250 ft., on W. slope.

39.92 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

41.55 Asc. 50 ft., on E. slope.
 Spur slopes N. Desc. 90 ft., on W. slope.

Chains

- 48.07 Wash, 15 lks. wide, course N. Asc. 130 ft., on E. slope.
- 53.00 Spur slopes N. Desc. 115 ft., on W. slope.
- 62.50 Wash, 10 lks. wide, course N. Asc. 430 ft., on N. slope.
- 79.84 The cor. of secs. 22, 23, 26 and 27.

Land, mountainous.
 Soil, 4th rate.
 Undergrowth, pinyon, oak brush, mahogany, crucifixion thorn, manzanita and catclaw.
 No timber.

N.0°01'W., bet. secs. 22 and 23,
 over mountainous land, through dense undergrowth.
 Desc. 75 ft., on N. slope.

- 4.25 Asc. 35 ft., on S. slope.
- 8.40 Spur slopes SW. Thence along W. slope.
- 24.40 Desc. on N. slope.
- 40.00 Point for $\frac{1}{4}$ sec. cor. falls on a rock in place, 15x10x6 ft. above ground, which I mark with a cross at the exact point for cor., and $\frac{1}{4}$ on W. side of cross; and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Impracticable to set iron post.
- 48.30 Cedar Wash, 700 ft. below 24.40 ch. pt., containing stream 15 lks. wide, course SE. Asc. 525 ft., on S. slope.
- 79.20 Spur slopes NE. Desc. N. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, with brass cap, marked

T19N	R15W
S15	S14
S22	S23

1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.
 Soil, 2nd and 3rd rate.
 No timber.
 Undergrowth, mountain mahogany, oak brush, manzanita, crucifixion thorn, catclaw and cottonwood.

- 40.00 East, on a random line, bet. secs. 14 and 23.
- 79.90 Set temp. $\frac{1}{4}$ sec. cor. Intersect N. and S. line 6 lks. N. of the cor. of secs. 13, 14, 23 and 24.

Thence N.89°57'W., on a true line, bet. secs. 14 and 23,
 over mountainous land, through dense undergrowth.
 Asc. 110 ft., on N. slope.

- 6.00 Asc. 35 ft., to
- 13.53 Spur slopes N. Asc. 300 ft., along N. slope.
- 31.70 Asc. on E. slope.
- 39.95 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S 14
$\frac{1}{4}$ -----
S 23
1916

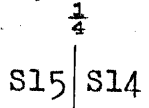
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

- 45.80 From cor. a shaft, 50 ft. deep, bears SE., about 5 chs. dist. 120 ft. above 31.70 ch. pt. Asc. 180 ft., on NE. slope.
- 55.60 Desc. 60 ft., on NW. slope.
- 65.35 Asc. 145 ft., along NE. slope.
- 79.90 The cor. of secs. 14, 15, 22 and 23.

Chains

Land, mountainous.
 Soil, 3rd and 4th rate.
 No timber.
 Undergrowth, mountain mahogany, manzanita, crucifixion
 thorn, oak brush and catclaw.

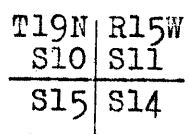
N.0°01'W., bet. secs. 14 and 15,
 over mountainous land, through dense undergrowth.
 Desc. 500 ft., on broken N. slope.
 30.50 Moss Wash, containing stream 10 lks. wide, course SE.
 Asc. on S. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked



1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Continue ascent.

78.00 Spur, 800 ft. above Moss Wash, slopes E. Desc. E. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for cor. of secs. 10, 11, 14 and 15, with brass
 cap, marked



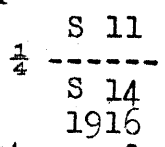
1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.

Land, mountainous.
 Soil, 3rd and 4th rate.
 No timber.
 Undergrowth, oak brush, mountain mahogany, manzanita, cat-
 claw and crucifixion thorn.

40.00 East, on a random line, bet. secs. 11 and 14.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.86 Intersect N. and S. line at the cor. of secs. 11, 12, 13
 and 14.

Thence West, on a true line, bet. secs. 11 and 14,
 over mountainous land, through dense undergrowth.
 Asc. 100 ft., on broken E. slope.
 6.20 Spur slopes SE. Thence along S. slope.
 17.80 Draw, course SE. Asc. on broken SE. slope.
 39.93 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
 ground, surrounded by a mound of stone, (impracticable
 to set post farther in the ground) for $\frac{1}{4}$ sec. cor.,
 with brass cap, marked



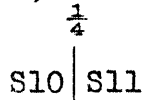
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.

41.70 Spur, 450 ft. above draw, slopes S. Asc. 325 ft., on E.
 slope.
 68.00 Spur slopes S. Thence along S. slope.
 71.77 Wash, 10 lks. wide, course S. Asc. 170 ft., on E. slope.
 79.86 The cor. of secs. 10, 11, 14 and 15.

Chains

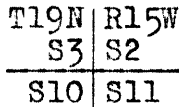
Land, mountainous.
 Soil, 3rd and 4th rate.
 No timber.
 Undergrowth, oak brush, manzanita, crucifixion thorn,
 mahogany and catclaw.

N.0°01'W., bet. secs. 10 and 11,
 over mountainous land, through dense undergrowth, along
 E. slope.
 3.65 Asc. 300 ft., on S. slope.
 25.80 Ridge bears E. and W. Thence along broken E. slope.
 32.60 Spur slopes E. Desc. on N. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked



1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 40.50 Ravine, 275 ft. below spur, course NE. Thence along broken
 E. slope.
 46.00 Spur slopes E. Desc. 40 ft.
 49.25 Ravine, course E. Asc. 115 ft., on broken SE. slope.
 59.10 Spur slopes E.
 61.30 Spur slopes E. Thence along broken E. slope.
 62.25 Desc. 90 ft., on N. slope.
 65.00 Thence along broken E. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 2, 3, 10 and 11, with brass
 cap, marked



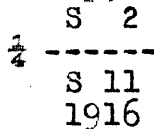
1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.

Land, mountainous.
 Soil, 3rd and 4th rate.
 No timber.
 Undergrowth, oak brush, mahogany and manzanita.

East, on a random line, bet. secs. 2 and 11.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.18 Intersect N. and S. line 33 lks. S. of the cor. of secs.
 1, 2, 11 and 12.

Thence S.89°46'W., on a true line, bet. secs. 2 and 11,
 over mountainous land, through dense undergrowth.
 Asc. 320 ft., along ridge.
 25.00 Spur slopes N. Thence along N. slope.
 40.09 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground to bed rock, surrounded by a mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap, marked



1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 Asc. 135 ft., on E. slope.
 46.50 Spur slopes N. Desc. 45 ft., on NW. slope.
 51.00 Asc. 45 ft., along NE. slope.

Subdivision of T. 19 N. R. 15 W.

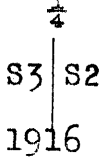
Chains

57.30 Spur slopes N. Desc. 100 ft., on W. slope.
 60.20 Ravine, course N. Asc. 460 ft., on E. slope.
 80.18 The cor. of secs. 2, 3, 10 and 11.

Land, mountainous.
 Soil, rocky; 3rd rate.
 No timber.
 Undergrowth, oak brush, manzanita, mahogany and pinyon.

North, on a random line, bet. secs. 2 and 3.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.49 Intersect N. bdy. of Tp. 2⁸ lks. E. of the cor. of secs. 2, 3, 34 and 35, described in book "B".

Thence S.0°12'E., on a true line, bet. secs. 2 and 3, over mountainous land, through dense undergrowth and scattering timber. Asc. on N. slope.
 1.50 Ridge bears E. and W. Desc. 475 ft., on broken SE. slope.
 26.55 Ravine, course E.
 32.23 Ravine, course SE. Thence along broken SE. slope.
 40.49 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

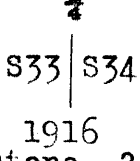


and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Thence along NE. slope.
 42.20 Thence along E. slope.
 44.50 Spur slopes E. Desc. 250 ft., on SE. slope.
 53.45 Ravine, course E. Asc. NE. slope.
 59.80 Spur slopes E. Desc. 75 ft., on SE. slope.
 67.40 Stream, 4 lks. wide, course E. Asc. 440 ft., on N. slope.
 80.49 The cor. of secs. 2, 3, 10 and 11.

Land, mountainous.
 Soil, 3rd and 4th rate.
 Timber, walnut and pinyon.
 Undergrowth, oak brush, mahogany and manzanita.

From the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp., described in book "B",

Thence N.0°02'W., bet. secs. 33 and 34, over mountainous land, through dense undergrowth. Desc. 95 ft., on N. slope.
 21.50 Blue Tanks Wash, 15 lks. wide, containing stream, course SE. Asc. on S. slope.
 31.00 Spur slopes SE. Thence along E. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Asc. on SE. slope.
 65.30 Asc. on S. slope.
 76.75 Spur, 810 ft. above Blue Tanks Wash, slopes E. Thence along E. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, with brass cap, marked

Chains

T19N	R15W
S28	S27
S33	S34

1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, mountainous.

Soil, 3rd and 4th rate.

No timber.

Undergrowth, oak brush, mountain mahogany, mountain laurel, catclaw and pinyon.

40.00 East, on a random line, bet. secs. 27 and 34.
 Set temp. ¼ sec. cor.
 80.00 Intersect N. and S. line 18 lks. N. of the cor. of secs. 26, 27, 34 and 35.

Thence N.89°52'W., on a true line, bet. secs. 27 and 34, over mountainous land, through dense undergrowth. Asc. 160 ft., on E. slope.

7.30 Spur slopes S. Thence along S. slope.
 17.65 Spur slopes S. Thence on broken SW. slope.
 39.10 Spur slopes S.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground) for ¼ sec. cor., with brass cap, marked

S 27
¼ -----
S 34
1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

44.55 Thence over broken S. slope, across small spurs and gullies.
 51.25 Spring branch, 2 lks. wide, course SE. Asc. 425 ft., on E. slope.
 80.00 The cor. of secs. 27, 28, 33 and 34.

Land, mountainous.

Soil, 3rd and 4th rate.

No timber.

Undergrowth, mountain mahogany, oak brush, mountain laurel, manzanita, catclaw and pinyon.

N.0°02'W., bet. secs. 27 and 28, over mountainous land, through dense undergrowth. Desc. 295 ft., on NE. slope.

14.25 Asc. 140 ft., on S. slope.
 24.00 Spur slopes E. Thence along broken E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked

S28	S27
-----	-----

1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

41.80 Ravine, course E. Asc. 55 ft., on S. slope.

44.80 Spur slopes SE.

49.80 Ravine, course SE. Asc. 410 ft., on S. slope.

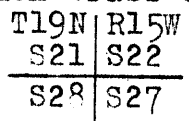
67.10 Ridge bears E. and W. Desc. 215 ft., on N. slope.

78.20 Ravine, course NW. Thence along NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 17 ins. in the ground, surrounded by a mound of stone, (impracticable

Chains

to set post farther in the ground) for cor. of secs. 21, 22, 27 and 28, with brass cap, marked

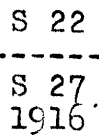


1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, mountainous.
Soil, 3rd and 4th rate.
No timber.
Undergrowth, oak brush, mountain mahogany, mountain laurel, pinyon and catclaw.

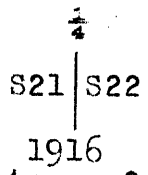
- 40.00 East, on a random line, bet. secs. 22 and 27.
- 79.80 Set temp. ¼ sec. cor.
- Intersect N. and S. line 18 lks. N. of the cor. of secs. 22, 23, 26 and 27.
- Thence N. 89°52'W., on a true line, bet. secs. 22 and 27, over mountainous land, through dense undergrowth.
- Asc. on N. slope.
- 6.50 Thence asc. on E. slope.
- 13.80 Ridge, 240 ft. above sec. cor., bears N. and S. Desc. on N. slope.
- 23.20 Thence along NW. slope.
- 37.90 Ravine, 435 ft. below ridge, course N. Thence along broken N. slope.
- 39.90 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked



and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

- 41.20 Spur slopes N. Desc. on W. slope.
 - 42.65 Ravine, course N. Asc. 680 ft., on E. slope.
 - 72.50 Spur slopes N. Desc. 210 ft., on NW. slope.
 - 79.80 The cor. of secs. 21, 22, 27 and 28.
- Land, mountainous.
Soil, 3rd and 4th rate.
No timber.
Undergrowth, mountain mahogany, oak brush, manzanita and mountain laurel.

- 3.00 N. 0°02'W., bet. secs. 21 and 22, over mountainous land, through dense undergrowth, along NW. slope.
- 40.00 Desc. steep NW. slope.
- Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground) for ¼ sec. cor., with brass cap, marked

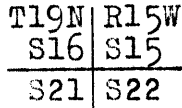


and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

- 41.00 Cedar Wash, 620 ft. below sec. cor., containing stream 15 lks. wide, course SE. Thence across creek basin.

Chains

64.90 Asc. SE. slope 300 ft.
 40.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, with brass cap, marked



1916

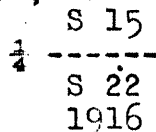
and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, mountainous.
 Soil, 3rd and 4th rate.
 No timber.
 Undergrowth, oak brush, mountain mahogany, manzanita, mountain laurel and pinyon.

40.00 East, on a random line, bet. secs. 15 and 22.
 Set temp. ¼ sec. cor.
 79.78 Intersect N. and S. line 18 lks. S. of the cor. of secs. 14, 15, 22 and 23.

Thence S.89°52'W., on a true line, bet. secs. 15 and 22, over mountainous land, through dense undergrowth.
 Asc. 25 ft., on NE. slope.

1.00 Ridge bears NW. and SE. Desc. 280 ft., on SW. slope.
 15.12 Ravine, course S.
 17.30 Spur slopes S. Thence along broken S. slope.
 22.00 Spur slopes S. Desc. 50 ft., on SW. slope.
 24.80 Ascend.
 28.90 Spur slopes S. Desc. 110 ft., on NW. slope.
 39.89 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked



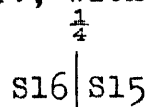
and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

79.78 Asc. 475 ft., along SE. slope.
 The cor. of secs. 15, 16, 21 and 22.

Land, mountainous.
 Soil, 3rd and 4th rate.
 No timber.
 Undergrowth, oak brush, mountain mahogany, mountain laurel, manzanita and catclaw.

N.0°02'W., bet. secs. 15 and 16, over mountainous land, through dense undergrowth.
 Asc. SE. slope.

1.00 Ridge bears NE. and SW. Desc. on N. slope.
 9.75 Desc. on broken E. slope.
 18.40 Ravine, 170 ft. below ridge, course NE. Continue to desc. along broken NE. slope.
 39.15 Moss Wash, 390 ft. below 18.40 ch. pt., 10 lks. wide, containing stream, course SE.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked



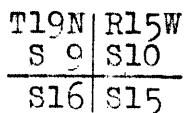
1916

and raise a mound of stone, 2 ft. base, 1½ ft. high,

Subdivision of T. 19 N., R. 15 W.

Chains

W. of cor.
 Asc. 440 ft., on broken S. slope.
 Spur extends SE.
 Thence along broken NE. slope.
 Spring branch, 2 lks. wide, course SE. Thence across
 creek basin.
 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 9, 10, 15 and 16, with brass
 cap, marked



1916

and raise a mound of stone, 2 ft. base, 1½ ft. high,
 W. of cor.

Land, mountainous.
 Soil, 3rd and 4th rate.
 No timber.
 Undergrowth, oak brush, mountain mahogany, manzanita,
 mountain laurel, pinyon, crucifixion thorn, willow,
 catclaw, box elder and mountain ash.

East, on a random line, bet. secs. 10 and 15.
 Set temp. ¼ sec. cor.
 Intersect N. and S. line 21 lks. S. of the cor. of secs.
 10, 11, 14 and 15.

Thence S.89°51'W., on a true line, bet. secs. 10 and 15,
 over mountainous land, through dense undergrowth, asc-
 ending on E. slope.

Ridge bears N. and S. Desc. 440 ft., on W. slope.
 Ravine, course S. Asc. E. slope.
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., with brass cap, marked

S 10

¼ -----

S 15

1916

and raise a mound of stone, 2 ft. base, 1½ ft. high,
 N. of cor.

Continue ascent on E. slope.
 Ridge, 815 ft. above ravine, bears N. and S. Desc. 290
 ft., on W. slope.

Ravine, course S. Asc. 20 ft.

The cor. of secs. 9, 10, 15 and 16.

Land, mountainous.
 Soil, 3rd and 4th rate.
 No timber.
 Undergrowth, oak brush, mountain mahogany and manzanita.

N.0°02'W., bet. secs. 9 and 10,
 over mountainous land, through dense undergrowth.
 Asc. on broken S. slope.

Desc. 50 ft.
 Ravine, course E. Asc. 250 ft., on broken S. slope.

Spur slopes SE. Desc. on NE. slope.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for ¼ sec. cor., with brass cap, marked

¼

S 9 | S10

1916

18

Subdivision of T. 19 N., R. 15 W.

Chains

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
45.00 Ravine, course E. Asc. 465 ft.
61.00 Ridge bears E. and W. Desc. 340 ft., on N. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the
ground to bed rock, surrounded by a mound of stone, for
cor. of secs. 3, 4, 9 and 10, with brass cap, marked

T19N	R15W
S4	S3
S 9	S10

1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.

Land, mountainous.

Soil, 3rd and 4th rate.

Timber, some yellow pine, pinyon pine and oak.

Undergrowth, oak brush, mountain mahogany and manzanita.

40.00 East, on a random line, bet. secs. 3 and 10.
Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect N. and S. line 30 lks. S. of the cor. of secs.
2, 3, 10 and 11.

Thence S. $89^{\circ}47'W.$, on a true line, bet. secs. 3 and 10,
over mountainous land, through dense undergrowth, ascend-
ing on E. slope.

2.40 Spur slopes N. Desc. 90 ft., on W. slope.
5.45 Ravine, course N. Thence along broken N. slope.
15.85 Spur slopes N. Desc. 100 ft., on W. slope.
24.10 Ravine, course N. Asc. 130 ft., on E. slope.
27.70 Spur slopes N. Desc. 145 ft., on NW. slope.
38.20 Ravine, course N. Ascend.
39.95 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S 3
$\frac{1}{4}$ -----
S 10
1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.

Continue ascent.

46.30 Spur, 175 ft. above ravine, slopes N. Desc. 30 ft.
50.77 Ravine, course N.
58.65 Ravine, course N.
65.63 Ravine, course NE. Asc. 250 ft., on NE. slope.
78.50 Spur slopes NE.
79.90 The cor. of secs. 3, 4, 9 and 10.

Land, mountainous.

Soil, 3rd and 4th rate.

Timber, oak, yellow pine and pinyon.

Undergrowth, oak brush, mahogany, manzanita and locust.

40.00 North, on a random line, bet. secs. 3 and 4,
Set temp. $\frac{1}{2}$ sec. cor.
80.49 Intersect the cor. of secs. 3, 4, 33 and 34, on N. bdy. of
Tp., described in Book "B."

Thence South, on a true line, bet. secs. 3 and 4,
over mountainous land, through scattering timber and
dense undergrowth. Asc. 155 ft., on N. slope.

5.29 Spur slopes NW.
13.70 Ridge bears E. and W. Desc. 190 ft., on SE. slope.
24.50 Ravine, course SE. Asc. 80 ft.

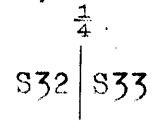
Chains

- 28.80 Desc. on SE. slope.
- 38.15 Thence desc. on S. slope.
- 40.49 Set a stone, 20x²x7 ins., 10 ins. in the ground, 6 ins. in a mound of stone, (cor. set on bed rock) for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Impracticable to set iron post.
- 44.77 Stream, 190 ft. below 28.80 ch. pt., 4 lks. wide, course E. Asc. 575 ft., on N. slope.
- 66.55 Spur slopes E. Thence along E. slope.
- 70.40 Thence on SE. slope.
- 78.87 Ravine, course NE.
- 80.49 The cor. of secs. 3, 4, 9 and 10.

Land, mountainous.
 Soil, 3rd and 4th rate.
 Timber, oak, yellow pine and pinyon.
 Undergrowth, oak brush, mahogany, manzanita and locust.

From the cor. of secs. 4, 5, 32 and 33, on S. bdy. of Tp., described in book "B,"

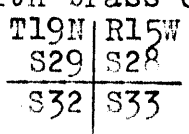
- N.0°02'W., bet. secs. 32 and 33, over mountainous land, through dense undergrowth. Desc. 225 ft., on broken N. slope.
- 11.80 Blue Tanks Wash, 6 lks. wide, containing stream, course E. Asc. 100 ft., on S. slope.
- 17.40 Spur slopes E. Desc. N. slope.
- 24.60 Draw, course SE. Asc. on S. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked



1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

- 44.20 Continue ascent on S. slope.
- 49.20 Spur slopes W. Thence along E. slope.
- 59.25 Spur slopes SE. Desc. 50 ft., on NE. slope.
- 66.30 Stream, course SE. Asc. 100 ft., along W. slope.
- 74.00 Spur slopes W. 6.00 chs. to end. Thence along W. slope.
- 78.30 Same stream, course SW. Width, 2 lks. Asc. on SE. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground) for cor. of secs. 28, 29, 32 and 33, with brass cap, marked



1916

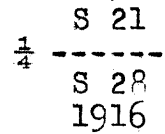
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, oak brush and mahogany.

- 40.00 East, on a random line, bet. secs. 28 and 33.
- 80.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N. and S. line at the cor. of secs. 27, 28, 33 and 34.

Chains

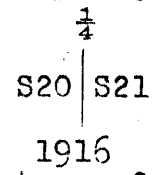
over mountainous land, through dense undergrowth.
 Desc. 70 ft., on NW. slope.
 1.70 Ravine, course N. Thence along broken N. slope.
 16.00 Spur, sloping N. Desc. 260 ft., on W. slope.
 30.70 Ravine, course N. Asc. on E. slope.
 40.00 Set an iron post, 1 in. diam., 26 ins. in the ground,
 for $\frac{1}{4}$ sec. cor., with brass cap, marked



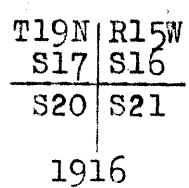
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 Continue ascent on broken E. slope.
 49.20 Thence along broken N. slope.
 63.60 Thence along NE. slope.
 72.25 Ridge, 840 ft. above ravine, bears N. and S. Desc. 215
 ft., on W. slope.
 80.00 The cor; of secs. 20, 21, 28 and 29.

Land, mountainous.
 Soil, 3rd and 4th rate.
 Timber, yellow pine and pinyon.
 Undergrowth, oak brush, mahogany and manzanita.

N.0°02'W., bet. secs. 20 and 21,
 over mountainous land, through scattering timber and
 dense undergrowth. Asc.
 1.70 Spur slopes W. Desc. 650 ft., on NW. slope.
 28.85 Ft. of descent.
 30.50 Cedar Wash, 4 lks. wide, containing stream, course NE.
 Thence along E. slope.
 39.90 Spring branch, 2 lks. wide, course E. Thence along E.
 slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the
 ground to bed rock, surrounded by a mound of stone,
 for $\frac{1}{4}$ sec. cor., with brass cap, marked



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 46.75 Desc.
 51.75 Ravine, course SE. Asc. 610 ft., on broken SE. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
 ground, for cor. of secs. 16, 17, 20 and 21, with brass
 cap, marked



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Land, mountainous.
 Soil, 2nd and 3rd rate.
 Timber, pinyon, yellow pine and walnut.
 Undergrowth, oak brush, mountain mahogany, manzanita
 and catclaw.

East, on a random line, bet. secs. 16 and 21.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. and S. line 15 lks. S. of the cor. of secs.

Subdivision of T. 19 N., R. 15 W.

Chains

15, 16, 21 and 22.

Thence S. 89° 54' W., on a true line, bet. secs. 16 and 21,
over mountainous land, through dense undergrowth.

Asc. 30 ft., on S. slope.

1.60 Spur slopes SE. Asc. 290 ft., on broken E. slope.

35.25 Thence on NE. slope.

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

S 16

 $\frac{1}{4}$ -----

S 21

1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.

Thence along N. slope.

44.50 Spur slopes NW. Thence along broken S. slope.

58.70 Spur slopes S. Continue on broken S. slope.

68.75 Spur slopes SE. Continue on broken S. slope.

78.80 Asc. on E. slope.

80.00 The cor. of secs. 16, 17, 20 and 21.

Land, mountainous.

Soil, 3rd and 4th rate.

No timber.

Undergrowth, pinyon, oak brush, mountain mahogany and
manzanita.

N. 0° 02' W., bet. secs. 16 and 17,

over mountainous land, through dense timber and under-
growth, along E. slope.

5.00 Ridge bears E. and W. Desc. 430 ft., on N. slope.

18.45 Ravine, course NE.

22.60 Ravine, course NE.

27.60 Asc. 45 ft., on SE. slope.

29.00 Spur slopes E. Desc. 225 ft., on N. slope.

39.35 Moss Wash, dry, 50 lks. wide, course E.

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

S17 | S16

1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.

Asc. 700 ft., on NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the
ground, for cor. of secs. 8, 9, 16 and 17, with brass
cap, marked

T19N | R15W

S8 | S9

S17 | S16

1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.

Land, mountainous.

Soil, rocky; 3rd rate.

Timber, yellow pine, pinyon, oak and walnut.

Undergrowth, oak brush, mountain mahogany, locust and
manzanita.

Chains

40.00 East, on a random line, bet. secs. 9 and 16.
 80.04 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect N. and S. line 23 lks. S. of the cor. of secs. 9, 10, 15 and 16.

Thence S. $89^{\circ}50'$ W., on a true line, bet. secs. 9 and 16, over mountainous land, through dense undergrowth, along S. slope.

10.43 Ravine, course S. Asc. 150 ft., on E. slope.
 25.20 Spur slopes S.
 30.77 Ravine, course S. Thence along broken S. slope.
 40.02 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$ -----
 S 9
 S 16
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Continue along broken S. slope.

43.05 Ravine, course S. Asc. on E. slope.
 58.10 Spur slopes S. Thence along broken S. slope.
 72.50 Spur slopes S., 500 ft. above ravine. Desc. 160 ft., on SW. slope.
 80.04 The cor. of secs. 8, 9, 16 and 17.

Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, oak brush, mountain mahogany and manzanita.

N. $0^{\circ}02'$ W., bet. secs. 8 and 9, over mountainous land, through dense undergrowth. Asc. 415 ft., on S. slope.

12.35 Spur slopes W. 20 chains to end. Thence along W. slope.
 18.30 Desc. 360 ft., on broken NW. slope.
 33.20 Ravine, course W. Asc. 75 ft., on broken W. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, to bed rock, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$
 S8 S9
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Thence continue along broken W. slope.

59.70 Ravine, course W. Asc. 200 ft., on SE. slope.
 70.00 Ridge bears NW. and SE. Desc. 50 ft., to
 74.95 Ravine, course E. Asc. 75 ft., on SE. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, with brass cap, marked

T19N	R15W
S5	S4
S8	S9

 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.
 Soil, 3rd and 4th rate.
 No timber.
 Undergrowth, oak brush, mountain mahogany, manzanita and catclaw.

Chains

From the cor. of secs. 5, 6, 31 and 32, on S. bdy. of Tp., described in Book "B,"

N.0°03'W., bet. secs. 31 and 32, over mountainous land, through dense undergrowth. Desc. on N. slope.

1.15 Blue Tanks Wash, containing stream 2 lks. wide, course E. Asc. 220 ft., on SE. slope.

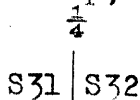
14.10 Ravine, course SE. Thence continue ascent 445 ft., on S. slope.

30.50 Spur slopes SE. Ascend. 75 ft., on SE. slope.

37.20 Head of spur sloping SE. Desc. 80 ft., to

40.00 Point for 1/4 sec. cor. falls on small cliffs, where it is impracticable to establish same. Therefore at

40.16 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground) for witness cor. to 1/4 sec. cor., with brass cap, marked



W C
1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

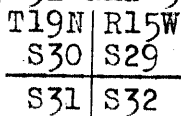
Thence along broken E. slope.

60.50 Spur slopes E. Desc. 310 ft., on broken N. slope.

71.70 Draw, course ENE. Asc. 115 ft., on SE. slope.

76.60 Spur slopes E. 8 chs. to end. Desc. 55 ft., on N. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bed rock, surrounded by a mound of stone, for cor. of secs. 29, 30, 31 and 32, with brass cap, marked



1916

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Undergrowth, mahogany, oak brush, catclaw and cactus.

40.00 East, on a random line, bet. secs. 29 and 32.

80.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. and S. line 16 lks. S. of the cor. of secs. 28, 29, 32 and 33.

Thence S.89°53'W., on a true line, bet. secs. 29 and 32, over mountainous land, through dense undergrowth. Asc. 40 ft., on broken SE. slope.

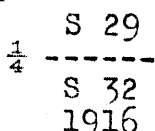
6.00 Low spur slopes SE. Thence along broken S. slope.

12.30 Gulch, course SE. Asc. 215 ft., on SE. slope.

24.10 Spur slopes SE. Desc. 200 ft., on SW. slope.

34.70 Gulch, course SE. Asc. on broken SE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, surrounded by a mound of stone, (impracticable to set post farther in the ground) for 1/4 sec. cor., with brass cap, marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

52.00 Spur, 215 ft. above gulch, bears S. Thence along broken

26

Subdivision of T. 19 N., R. 15 W.

Chains

S. slope.
 62.00 Desc. 115 ft., on W. slope.
 67.10 Gulch, course S. Asc. 55 ft., on E. slope.
 69.00 Spur slopes SE. Desc. 40 ft., on NW. slope.
 73.00 Stream, 2 lks. wide, course SE. Asc. 200 ft., on NE. slope.
 80.00 The cor. of secs. 29, 30, 31 and 32.

Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, mahogany, oak brush, catclaw and cactus.

West, on a random line, bet. secs. 30 and 31.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 77.52 Intersect W. bdy. of Tp. 7 lks. N. of the cor. of secs.
 25, 30, 31 and 36, described in Book "B."

Thence N. $89^{\circ}57'E.$, on a true line, bet. secs. 30 and 31,
 over mountainous land, through dense undergrowth, along
 broken N. slope.
 17.52 Small gulch, course NW. Asc. 290 ft., on SW. slope.
 21.90 Spur slopes NW. Thence along broken N. slope.
 37.52 Point for $\frac{1}{4}$ sec. cor. falls at point where it is impracticable
 to establish cor. Therefore at
 35.52 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the
 ground, surrounded by a mound of stone, (impracticable
 to set post farther in ground) for witness cor. to $\frac{1}{4}$
 sec. cor., with brass cap, marked

S 30
 $\frac{1}{4}$ ----- WC
 S 31
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 Continue along broken N. slope, descending.
 38.00 Head of small gulch, 220 ft. below spur, course NW. Asc.
 385 ft., on broken W. slope.
 53.25 Main ridge of Hualpai mountains bears NE. and SW. Desc.
 460 ft., on broken N. slope.
 77.52 The cor. of secs. 29, 30, 31 and 32.

Land, mountainous.
 Soil, rocky; 4th rate.
 No timber.
 Undergrowth, mahogany, oak brush, catclaw and cactus.

N. $0^{\circ}03'W.$, bet. secs. 29 and 30,
 over mountainous land, through scattering timber and
 dense undergrowth, descending on N. slope.
 5.00 Ravine, course W. Asc. on broken rocky S. slope 835 ft.
 36.70 Spur slopes SE. Asc. on E. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$
 S30 | S29
 1916

from which
 A pinyon, 6 ins. diam., bears S. $41^{\circ}E.$, 42 lks. dist.,
 marked $\frac{1}{4}$ S29 BT, and
 A yellow pine, 16 ins. diam., bears N. $56^{\circ}W.$, 73 lks. dist.,
 marked $\frac{1}{4}$ S30 BT.
 Continue ascent along broken E. slope.

Subdivision of T. 19 N., R. 15 W.

Chains									
48.85	Main ridge of Hualpai mountains bears NE. and SW. Thence along W. slope.								
54.85	Spur slopes W. Desc. 180 ft., on N. slope.								
63.00	Head of ravine, course W. Asc. 150 ft., on S. slope.								
69.70	Spur slopes W. desc. 175 ft., on N. slope.								
80.00	Point for sec. cor. falls at point where it is impracticable to set same. Therefore at								
79.85	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for witness cor. to cor. of secs. 19, 20, 29 and 30, with brass cap, marked								
	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2" style="text-align: center;">W C</td></tr> <tr><td style="text-align: center;">T19N</td><td style="text-align: center;">R15W</td></tr> <tr><td style="text-align: center;">S19</td><td style="text-align: center;">S20</td></tr> <tr><td style="text-align: center;">S30</td><td style="text-align: center;">S29</td></tr> </table>	W C		T19N	R15W	S19	S20	S30	S29
W C									
T19N	R15W								
S19	S20								
S30	S29								
	1916 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.								
	Land, mountainous. Soil, 3rd rate; rocky. Timber, pinyon and yellow pine. Undergrowth, oak brush and mahogany.								

	From the true point for cor. of secs. 19, 20, 29 and 30, East, on a random line, bet. secs. 20 and 29.								
40.00	Set temp. ¼ sec. cor.								
80.34	Intersect N. and S. line 5 lks. S. of the cor. of secs. 20, 21, 28 and 29.								
	Thence S.89°58'W., on a true line, bet. secs. 20 and 29, over mountainous land, through scattering timber and dense undergrowth. Desc. 305 ft., on NW. slope.								
15.73	Ravine, course N. Asc. on E. slope.								
31.00	Thence along NE. slope.								
40.17	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap, marked								
	<table style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">S 20</td></tr> <tr><td style="text-align: center;">¼ -----</td></tr> <tr><td style="text-align: center;">S 29</td></tr> <tr><td style="text-align: center;">1916</td></tr> </table>	S 20	¼ -----	S 29	1916				
S 20									
¼ -----									
S 29									
1916									
	and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.								
	Thence along N. slope, ascending.								
54.73	Thence asc. on E. slope.								
63.50	Main ridge of Hualpai mountains, 965 ft. above ravine, course S. Desc. 440 ft., on W. slope.								
80.34	The true pt. for cor. of secs. 19, 20, 29 and 30.								
	Land, mountainous. Soil, rocky; 3rd and 4th rate. Timber, pinyon and yellow pine. Undergrowth, oak brush, mountain mahogany, mountain laurel and manzanita.								

	From the true pt. for cor. of secs. 19, 20, 29 and 30, West, on a random line, bet. secs. 19 and 30.								
40.00	Set temp. ¼ sec. cor.								
77.53	Intersect W. bdy. of Tp. 10 lks. S. of the cor. of secs. 19, 24, 25 and 30, described in Book "B".								
	Thence S.89°56'E., on a true line, bet. secs. 19 and 30, over mountainous land, through scattering timber and dense undergrowth. Asc. 100 ft., on NW. slope.								
6.00	Spur slopes NW. Asc. along broken N. slope.								
15.00	Enter dense timber bearing N. and S.								

28

Subdivision of T. 19 N., R. 15 W.

Chains

- 30.00 Spur slopes NW., 430 ft. above 6.00 ch. pt. Asc. along N. slope.
- 37.53 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bed rock, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked
- S 19
 $\frac{1}{4}$ -----
S 30
1916
- from which
A pinyon, 16 ins. diam., bears S.16°W., 50 lks. dist., marked $\frac{1}{4}$ S30 BT, and
A pinyon, 10 ins. diam., bears N.48°E., 30 lks. dist., marked $\frac{1}{4}$ S19 BT.
- 77.53 Continue to ascend on N. slope.
1120 ft. above 30 ch. pt.,
The true point for cor. of secs. 19, 20, 29 and 30.
- Land, mountainous.
Soil, 3rd and 4th rate.
Timber, yellow pine and pinyon.
Undergrowth, mahogany, oak brush and manzanita.
-
- From true point for cor. of secs. 19, 20, 29 and 30, N.0°03'W., bet. secs. 19 and 20, over mountainous land, through dense undergrowth.
Desc. 335 ft., on N. slope.
- 9.50 Ravine, course W. Asc. 75 ft., on S. slope.
- 12.30 Spur slopes W. Desc. 85 ft., on N. slope.
- 15.10 Ravine, course W. Asc. 135 ft., on S. slope.
- 21.10 Spur ridge extends W. Desc. 55 ft. on N. slope.
- 23.00 Enter dense growth of timber bearing W. and SE.
- 29.00 Leave dense timber bearing NW. and SE.
- 34.10 Ravine, 450 ft. below spur, course WNW. Thence over point of spur sloping W.
- 40.00 On spur sloping W.,
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
- $\frac{1}{4}$
S19 | S20
1916
- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Desc. 50 ft., on N. slope.
- 42.50 Spring branch, 1 lk. wide, course W. Asc. broken SW. slope.
- 49.80 Enter scattering timber.
- 61.80 Main divide of Hualpai mountains bears E. and NW.
Leave dense timber bearing E. and NW., and thence along broken E. slope. (divide is 535 ft. above stream).
- 71.10 Spur, 30 ft. above divide, extends E. Desc. 190 ft., on N. slope.
- 76.75 Head of ravine, course E. Asc. on broken E. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, with brass cap, marked
- T19N | R15W
S18 | S17

S19 | S20
1916
- and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Land, mountainous.
Soil, rocky; 3rd rate.
Timber, pinyon.
Undergrowth, oak brush and mahogany.

Subdivision of T. 19 N., R. 15 W.

Chains

40.00
80.18

8.85
11.50
23.20
35.65
40.09

47.10
54.15
66.80

68.80
71.50
74.95
80.18

East, on a random line, bet. secs. 17 and 20.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect N. and S. line 35 lks. N. of the cor. of secs. 16, 17, 20 and 21.

Thence N. $89^{\circ}45'W.$, on a true line, bet. secs. 17 and 20, over mountainous land, through scattering timber and dense undergrowth. Asc. 110 ft., on broken SE. slope.
Thence along broken ridge bearing NE. and SW.
Desc. on N. slope.
Spur slopes N. Desc. 270 ft., on W. slope.
Spring branch, 1 lk. wide, course N. Asc. on E. slope.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
S 17
 $\frac{1}{4}$ -----
S 20
1916
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Continue ascent on E. slope.
Spur, 175 ft. above stream, slopes N. Desc. on W. slope.
Thence along broken N. slope.
Spring branch, 1 lk. wide, course N., 350 ft. below spur. Ascend.
Spur slopes N. Desc. 45 ft.
Ravine, course NE. Asc, 115 ft., on broken E. slope.
Spur slopes NE. Asc. on broken E. slope.
The cor. of secs. 17, 18, 19 and 20.

Land, mountainous.
Soil, 2nd and 3rd rate.
Timber, yellow pine, oak and pinyon.
Undergrowth, oak brush, mahogany and manzanita.

40.00
77.51

6.80
9.60
23.50
37.51

38.40
59.60
65.60
77.51

West, on a random line, bet. secs. 18 and 19.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect W. bdy. of Tp. 5 lks. N. of the cor. of secs. 13, 18, 19 and 24, described in Book "B."

Thence N. $89^{\circ}58'E.$, on a true line, bet. secs. 18 and 19, over mountainous land, through dense undergrowth and scattering timber. Desc. 85 ft., on NE. slope.
Ravine, course NW. Asc. along SW. slope.
Enter dense growth of timber bearing NW. and SE.
Leave dense timber bearing N. and S. Thence along S. slope.
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
S 18
 $\frac{1}{4}$ -----
S 19
1916
and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Continue along S. slope, ascending.
Ravine, 470 ft. above 6.80 ch. pt., course WSW. Asc. 725 ft., along spur sloping W.
Main divide of Hualpai mountains bears N. and SE. Desc. 100 ft., on N. slope.
Spur slopes NE. Desc. 180 ft., on broken E. slope.
The cor. of secs. 17, 18, 19 and 20.

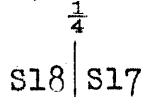
Land, mountainous.
Soil, rocky; 4th rate.
Timber, pinyon pine.
Undergrowth, oak brush and mahogany.

30

Subdivision of T. 19 N., R. 15 W.

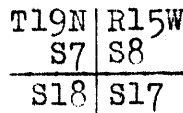
Chains

N.0°03'W., bet. secs. 17 and 18,
 over mountainous land, through dense undergrowth, along
 broken E. slope. Scattering timber.
 2.50 Spur slopes E. Desc. 70 ft., to
 5.80 Small gulch, course E. Asc. 210 ft., on S. slope.
 20.10 Spur slopes E. 15 chs. to end. Desc. 290 ft., on NW. slope.
 31.20 Head of short draw, course NE. Thence along E. slope.
 36.20 Spur slopes NE. Desc. NW. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked



1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.
 Continue along broken N. slope.
 52.30 Small gulch, course E. Thence along broken E. slope.
 63.20 Wash, course E. Continue along E. slope.
 75.70 Spur slopes E. Continue along broken E. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the
 ground, for cor. of secs. 7, 8, 17 and 18, with brass
 cap, marked



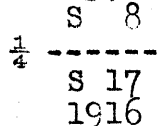
1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 W. of cor.

Land, mountainous.
 Soil, 2nd rate.
 Timber, pine, pinyon, oak and walnut.
 Undergrowth, oak brush, mahogany manzanita and locust.

S.89°45'E., on a random line, bet. secs. 8 and 17.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.80 Intersect N. and S. line 4 lks. N. of the cor. of secs.
 8, 9, 16 and 17.

Thence N.89°43'W., on a true line, bet. secs. 8 and 17,
 over mountainous land, through dense undergrowth.
 Asc. 70 ft., along broken SE. slope.
 5.40 Spur slopes S. Desc. 470 ft., on SW. slope.
 35.35 Ravine, course S. Asc. along broken S. slope.
 39.90 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground to bed rock, surrounded by a mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap, marked



and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
 N. of cor.
 Continue along broken S. slope.
 57.00 Spur slopes S. Desc. 75 ft., on SW. slope.
 62.60 Ravine, course S. Thence along broken S. slope.
 74.60 Ravine, course S.
 79.80 The cor. of secs. 7, 8, 17 and 18.

Land, mountainous.
 Soil, 3rd rate.
 No timber.
 Undergrowth, oak brush, mountain mahogany, manzanita
 and pinyon.

Subdivision of T. 19 N., R. 15 W.

Chains

- 40.00 West, on a random line, bet. secs. 7 and 18.
- Set temp. $\frac{1}{4}$ sec. cor.
- 77.66 Intersect W. bdy. of Tp. 27 lks. N. of the cor. of secs. 7, 12, 13 and 18, described in Book "B."

- Thence N. $89^{\circ}48'E.$, on a true line, bet. secs. 7 and 18, over mountainous land, through dense undergrowth and timber.
- 22.85 Spur ridge bears WSW and ENE. Asc. 70 ft., along S. slope.
- 30.25 Main divide bears N. and S. Leave dense timber bearing N. and S., and desc. along E. slope.
- 37.66 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bed rock, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S 7
 $\frac{1}{4}$ -----
 S 18
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Desc. on E. slope.

- 45.95 Wash, course SE. 360 ft. below ridge.
- 48.00 Spur slopes SE. 6.00 chs. to end. Thence on broken S. slope.
- 49.15 Wash, course SE. Asc. along S. slope.
- 58.85 Spur slopes SE. 20.00 chs. to end. Desc. 140 ft., on E. slope.
- 62.85 Wash, course SE.
- 67.65 Low spur slopes SE. Desc. 60 ft., on broken E. slope.
- 77.66 The cor. of secs. 7, 8, 17 and 18.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, pinyon.
 Undergrowth, mahogany, manzanita and oak brush.

- N. $0^{\circ}03'W.$, bet. secs. 7 and 8, over mountainous land, through dense undergrowth. Asc. 210 ft., on broken SE. slope.
- 19.00 Spur slopes SE. 15 chs. to end. Desc. 60 ft., on broken E. slope.
- 24.40 Head of draw, course E. Asc. 90 ft., along broken E. slope.
- 35.30 Spur slopes SE. Thence continue on broken E. slope.
- 39.30 Head of draw, course E. Continue over E. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

$\frac{1}{4}$
 S7 | S8
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

- Continue on broken E. slope.
- 42.90 Spur slopes E. Desc. 50 ft., on NE. slope.
- 57.50 Draw, course SE. Asc. 220 ft., on S. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, with brass cap, marked

T19N | R15W
 S6 | S5
 S7 | S8

1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.
 Soil, 2nd rate.
 No timber.
 Undergrowth, oak brush and mahogany.

Chains

40.00 East, on a random line, bet. secs. 5 and 8.
Set temp. $\frac{1}{4}$ sec. cor.
80.04 Intersect N. and S. line 27 lks. N. of the cor. of secs.
4, 5, 8 and 9.

Thence N.89°48'W., on a true line, bet. secs. 5 and 8,
over mountainous land, through scattering timber and
dense undergrowth. Asc. 320 ft., on SE. slope.
13.95 Ridge bears N. and S. Thence along S. slope, descending.
33.25 Ravine, 175 ft. below ridge, course S. Asc. SE. slope.
40.02 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S 5
 $\frac{1}{4}$ -----
S 8
1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
N. of cor.
42.55 Spur, 135 ft. above ravine, slopes S. Desc. 200 ft., on
broken SW. slope.
56.28 Ravine, course S. Asc. 155 ft., on E. slope.
63.30 Spur slopes S. Desc. 280 ft., on W. slope.
73.38 Ravine, course S. Thence along S. slope.
80.04 The cor. of secs. 5, 6, 7 and 8.

Land, mountainous.
Soil, 3rd and 4th rate.
Timber, yellow pine and pinyon.
Undergrowth, oak brush, mountain mahogany and manzanita.

40.00 West, on a random line, bet. secs. 6 and 7.
Set temp. $\frac{1}{2}$ sec. cor.
77.40 Intersect W. bdy. of Tp. 8 lks. N. of the cor. of secs.
1, 6, 7 and 12 described in Book "B.L.".

Thence N.89°57'E., on a true line, bet. secs. 6 and 7,
over mountainous land, through scattering timber and
dense undergrowth. Asc. on steep NW. slope.
29.35 Top of spur slopes SW. Thence asc. along top of same.
37.40 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked

S 6
 $\frac{1}{4}$ -----
S 7
1916

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
N. of cor.
50.55 Continue ascent along top of spur.
Main divide of Hualpai mountains bears N. and S. 1065 ft.
above sec. cor. Desc. 390 ft., along SE. slope.
58.30 Spur slopes S. Desc. 285 ft., on E. slope.
66.25 Small gulch, course SE. Asc. 55 ft., along S. slope.
77.40 The cor. of secs. 5, 6, 7 and 8.

Land, mountainous.
Soil, rocky; 3rd rate.
Timber, pinyon.
Undergrowth, oak brush, mahogany and manzanita.

40.00 North, on a random line, bet. secs. 5 and 6,
Set temp. $\frac{1}{4}$ sec. cor.
80.44 Intersect N. and S. line 16 lks. E. of the cor. of secs.
5, 6, 31 and 32, described in Book "B.L.".

Thence S.0°07'E., on a true line, bet. secs. 5 and 6,
over mountainous land, through scattering timber and
dense undergrowth.

Chains

Along broken E. slope.
 Thence desc. on S. slope.
 22.25
 40.44 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bed rock, surrounded by a mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap, marked $\frac{1}{4}$

S6 | S5
 1916

and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Continue descent on S. slope.
 46.75 Ravine, 700 ft. below sec. cor., course SE. Asc. 240 ft., on NE. slope.
 59.30 Ridge bears E. and W. Desc. 730 ft., on S. slope.
 80.44 The cor. of secs. 5, 6, 7 and 8.

Land, mountainous.
 Soil, 3rd and 4th rate.
 Timber, yellow pine, pinyon, oak and walnut.
 Undergrowth, oak brush, mahogany and manzanita.

Boundaries of T. 19 N., R. 15 W.

Latitudes, Departures, and Closing Errors.

Line designated	True Course	Dist. chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
South Boundary	West	477.88				477.88
West Boundary	North	480.00	480.00			
North Boundary	N.89°56'E.	477.08	.55		477.08	
East Boundary	South	480.00				
Convergency					.51	
Totals			480.55 480.00	480.00	477.59	477.88 477.59
Error in latitude			.55			
	Error in departure					.29

General Description.

This township is entirely mountainous, lying in the Hualpai mountains, and extending over the divide between the Sacramento and Sandy washes. The soil is gravelly and rocky; 2nd, 3rd and 4th rate. Pinyon and yellow pine are found on the higher slopes, and walnut, oak and willow are found in the washes. The undergrowth is dense and consists of oak brush, manzanita, mountain laurel and mahogany, catclaw, crucifixion thorn and cactus. Water may be found in "tanks" almost all the year around. Streams flow up until early summer. There are many indications of mineral, but no mines are operated. The township contains no settlers.

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For CERTIFICATES of U. S. Surveyor and U.S. Transitman, see Book "C."

FINAL OATH OF UNITED STATES SURVEYOR.

BOOK 3130

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, November 22, 1918.

The foregoing field notes of the survey of the _____

SUBDIVISION LINES of _____

TOWNSHIP 19 NORTH, RANGE 15 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by Albert Smith, Jr. U.S. Surveyor, & Ray D. Armstrong, U.S. Transitman, under his special instructions dated January 7, 1915, for Group 46, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank J. P. [Signature]

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.~~