

3396

Book "F"

4-679

BOOK 3396

FIELD NOTES

RE-
OF THE SURVEY OF THE

South, and parts of the East and West boundaries,

and of the SURVEY of the

North, and

Parts of the East and West boundaries, and the

Subdivision lines of

TOWNSHIP 4 SOUTH, RANGE 15 EAST.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona,

EXECUTED BY

Alton O. Stinson, U. S. Surveyor,

and

William B. Kimmel, U. S. Cadastral Engineer,

In the capacity of U.S. Surveyor
~~In the capacity of U.S. Surveyor~~, under instructions dated October 31, 1917, &

January 4, 1918

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

Group No. 71, Arizona which were approved by the Commissioner of the General Land

Office, November, 1917, and Assignment Instructions dated Nov. 19, 1917, and Apl. 14, 1918.

Resurvey and Survey commenced February 16, 1918.

Resurvey and Survey completed May 3, 1918.

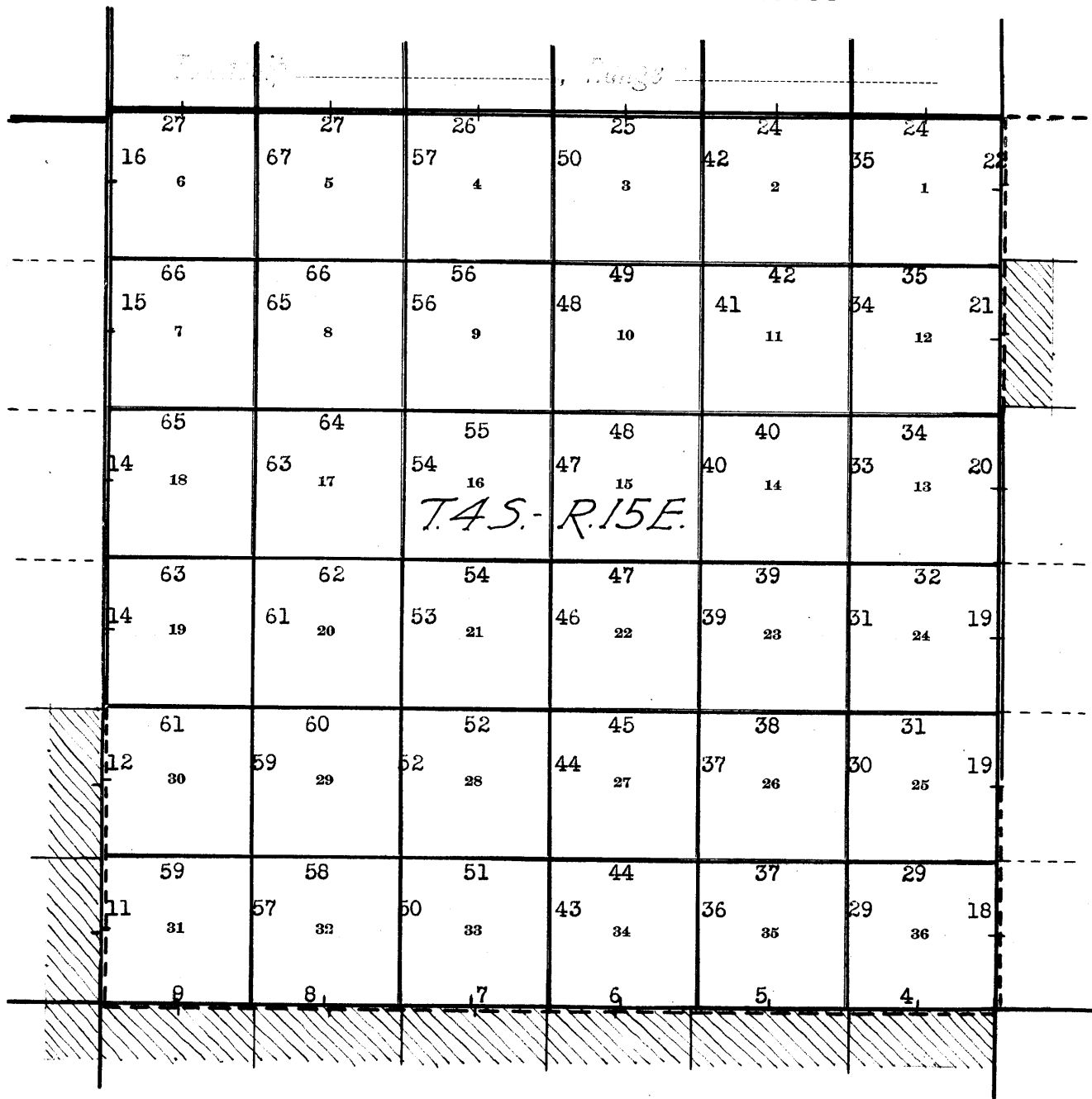
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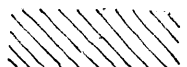
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3396

BOOK 3396

INDEX DIAGRAM.



-  Lines surveyed under this group.
-  Lines resurveyed under this group.
-  Accepted surveys.
-  Unsurveyed.
-  Areas surveyed as per accepted plats on file.

Resurveys and surveys hereinafter described, executed by Alton O. Stinson, U.S. Surveyor, and William B. Kimmel, U.S. Cadastral Engineer, on dates shown on diagram on page 1 hereof, both using Young and Sons' light mountain transit No. 8540, described with record of test by Alton O. Stinson in Book "C," Record of test by William B. Kimmel is described below.

April 20, 1918. Examine the adjustments of the transit, and correct the level and collimation errors; 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, proceed as follows:

At a point near camp in sec. 2, T. 4 S., R. 15 E., latitude, $33^{\circ}07' N.$; longitude, $110^{\circ}47' W.$, at 5h. 30m. p.m., l.m.t., set off $33^{\circ}07' N.$ on the lat. arc; $11^{\circ}33' N.$ on the decl. arc, and mark the meridian thus determined with the solar, on a peg driven in the ground, about 5 chs. N. of station.

At 7h. 23m. p.m., l.m.t. make hour angle observation on Polaris, west of the meridian, 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. N. of station.

April 20, 1918.

April 21, 1918. At 7h. a.m., l.m.t., lay off the azimuth of Polaris, $1^{\circ}13' E.$, the resulting meridian agreeing within $\frac{1}{2}'$ of the meridian determined by solar yesterday p.m.

At 7h. 10m., a.m., l.m.t., set off $33^{\circ}07' N.$ on the lat. arc; $11^{\circ}44\frac{1}{2}' N.$ on the decl. arc, the resulting meridian agreeing within $\frac{1}{2}'$ of the meridian determined by solar yesterday p.m.

The three meridians agreeing within $1'$ of arc, conclude that adjustments of the instrument are satisfactory.

April 21, 1918.

Unless otherwise specified, all measurements are made with a Lufkin 5 chain steel tape, found correct by comparison with a Chasterman standard steel tape. The measurements are made on the slope, the vertical angles determined with transit or clinometer, and the slope measurements properly reduced to true horizontal distances.

The instrument was maintained in adjustment throughout the survey.

Dependent Resurvey of South bdy. of Township 4 South, Range 15 East. 3

Chains.

Retracement for Resurvey:

The original cor. of Ts. 4 and 5 S., Rs. 14 and 15 E. is a granite stone, 18x12x8 ins. above ground; firmly set, properly notched and witnessed by mound of stone, S. of cor. No bearing trees.

40.00 East, on a random line, bet. secs. 6 and 31.
After careful search, no trace of the original 1/4 sec. cor. could be found; set temp. 1/4 sec. cor.

84.24 Fall 19 lks. N. of the original cor. of secs. 5, 6, 31 and 32, hereinafter described.
True course and dist. of line back to Tp. cor. are therefore N. 89° 52' W., 84.24 chs.

40.00 From the original cor. of secs. 5, 6, 31 and 32, East, on a random line, bet. secs. 5 and 32.
After careful search, no trace of the original 1/4 sec. cor. could be found; set temp. 1/4 sec. cor.

79.96 Fall 21 lks. S. of the original cor. of secs. 4, 5, 32 and 33, hereinafter described.
True course and dist. of line back to cor. of secs. 5, 6, 31 and 32 are therefore S. 89° 51' W., 79.96 chs.

39.59 From the original cor. of secs. 4, 5, 32 and 33, East, on a random line, bet. secs. 4 and 33 (W. 1/2).
Fall 19 lks. S. of the original 1/4 sec. cor. of secs. 4 and 33, hereinafter described.
True course and dist. of line back to cor. of secs. 4, 5, 32 and 33 are therefore S. 89° 44' W., 39.59 chs.

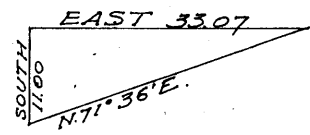
37.60 Thence, East, on a random line, bet. secs. 4 and 33 (E. 1/2).
Fall 18 lks. S. of the original cor. of secs. 3, 4, 33 and 34, hereinafter described.
True course and dist. of line back to 1/4 sec. cor. of secs. 4 and 33 are therefore S. 89° 44' W., 37.60 chs.

39.32 From the original cor. of secs. 3, 4, 33 and 34, East, on a random line, bet. secs. 3 and 34 (W. 1/2).
Fall 19 lks. S. of the original 1/4 sec. cor. of secs. 3 and 34, hereinafter described.
True course and dist. of line back to cor. of secs. 3, 4, 33 and 34 are therefore S. 89° 44' W., 39.32 chs.

39.58 Thence, East, on a random line, bet. secs. 3 and 34 (E. 1/2).
Fall 19 lks. S. of the original cor. of secs. 2, 3, 34 and 35, hereinafter described.
True course and dist. of line back to 1/4 sec. cor. of secs. 3 and 34, are therefore S. 89° 44' W., 39.58 chs.

2.65 From the original cor. of secs. 2, 3, 34 and 35, East, on a random line on S. bdy. of sec. 35.
Top of ridge, brs. N. and SW. Discontinue chaining, and triangulate across deep, rocky canyon and over broken cliffs, as follows:

Measure a base South 11.00 chs.
Set flag ahead on random line at top of cliff.
From south end of base, flag brs. N. 71° 36' E.
Included angles are, 71° 36', 90° 00' and 19° 24', the sum of which is 180° 00'.



Dist. triangulated on random line is obtained by tang. 71° 36' x base or 3.00611 x 11.00 = 33.07 chs., which added to 2.65 chs. =

35.72 Flag point on top of cliffs, bearing NW. and SE. Continue line and measurement by chaining.

40.00 After careful search, no trace of the original 1/4 sec. cor. can be found; set temp. 1/4 sec. cor.

Dependent Resurvey of S.bdy. of Township 4 South, Range 15 East.

Retracement for Resurvey, continued.

- 80.78 Intersect the cor. of secs. 35 and 36, hereinafter described.
True course and dist. of line back to cor. of secs. 2, 3, 34 and 35 are therefore, west, 80.78 chs.
From the cor. of secs. 35 and 36,
East, on a random line, on S. bdy. of sec. 36.
- .76 Intersect the closing cor. of secs. 1 and 2, T. 5 S., R. 15 E., hereinafter described.
Continue line and measurement.
- 40.00 After careful search, no trace of the original $\frac{1}{4}$ sec. cor. can be found; set temp. $\frac{1}{4}$ sec. cor.
- 80.32 Intersect the original cor. of Ts. 4 and 5 S., Rs. 15 and 16 E., which is a malpais stone 8x8x12 ins. above ground, firmly set, properly marked and notched, and witnessed by mound of stone, S. of cor. No bearing trees.

True course and dist. of line back to cor. of secs. 35 and 36 are therefore west, 80.32 chs.

RESURVEY:

- From original cor. of Ts. 4 and 5 S., Rs. 15 and 16 E., hereinafter described,
West, on a true line, on the S. bdy. of sec. 36.
Over mountainous land, thru scattering undergrowth.
Descend 65 ft., over broken SW. slope.
- 3.35 Gulch, course S. 60° E.; ascend 200 ft., over broken SE. slope.
- 13.80 Spur, slopes S.; descend 30 ft., over SW. slope.
- 22.50 Gulch, 15 lks. wide, course SE.; ascend 75 ft., over E. slope.
- 26.00 Spur, slopes SE.; descend 20 ft., over S. slope.
- 29.90 Wash, 8 lks. wide, course S. 60° E.; ascend 60 ft., over SE. slope, to
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor., of sec. 36, marked on brass cap,

TS 36

1918

- and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- Descend 10 ft. to
- 42.50 Drain 8 lks. wide, course SE.; ascend 150 ft., over SE. slope, to
- 53.25 Top of ascent, brs. NW. and SE.; descend 265 ft. over broken cliffy W. slope.
- 58.60 Bottom of O'Carrol Canyon, 65 lks. wide, course SE. from N.; ascend 350 ft., over steep SE. slope, to
- 74.50 Drain, 12 lks. wide, 5 ft. deep, course SE.; ascend 120 ft., over NE. slope, to
- 79.56 Intersect closing cor. of secs. 1 and 2, T. 5 S., R. 15 E., which is a limestone 5x10x6 ins. above ground, firmly set, marked with 5 notches on W. face, 1 notch on E. face, and "CC" on S. face, and witnessed by a mound of stone, S. of cor. No bearing trees.
Continue line and measurement of S. bdy. of sec. 36 (N. of sec. 2, T. 5 S., R. 15 E.)
- Ascend 10 ft., over NE. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the reestablished cor. of secs. 35 and 36 only, marked on brass cap,

T4S | R15E

S35 | S36

T5S

S2

1918

Dependent Resurvey of S. bdy. of Township 4 South, Range 15 East. 5.

Chains.

and raise a mound of stone 2½ ft. base, 1½ ft. high, N. of cor.
 Land, mountainous.
 Soil, 4th rate, lime formation.
 No timber.
 Undergrowth, scattering palo verde, greasewood, ocotilla, coffee brush and cacti.
 Poor grass.

West, on a true line, on S. bdy. of sec. 35.
 Over mountainous land, thru scattering undergrowth; ascend 8 ft., over broken NE. slope, to
 .32 (80.32 chs. W. from Tp. cor.) Intersect the cor. of secs. 35 and 36, which is a granite stone, 8x6x10 ins. above ground, firmly set, marked with 5 notches on W. face, and 1 notch on E. face; and witnessed by a mound of stone, N. of cor. No bearing trees. Destroy notches and mark "AP" on top of stone, thus changing the designation of this sec. cor. to Angle Point.
 Continue line and measurement; ascend 300 ft., over NE. slope, to
 14.80 Spur, slopes SE.; ascend 300 ft., over SE. slope.
 25.50 Top of main ridge of Mescal Mountains, brs. N. 30° W. and S.; descend 275 ft., over broken SW. slope.
 37.00 Draw, 30 lks. wide, course SW.; ascend 65 ft., over E. slope to
 40.00 Spur, slopes S. Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground, to bedrock, supported by a mound of stone, for reestablished ¼ sec. cor. of sec. 35 only, marked on brass cap.

¼ S35
 1918

and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.; ascend 100 ft., over broken SW. slope.
 43.90 Draw, 25 lks. wide, course SE.; ascend 20 ft., over S. slope.
 45.38 Flag point of triangulation hereinbefore described, at top of cliffs, 500 ft. high, brs. NW. and SE., facing SW.; descend broken cliffy, SW. slope. Measurement across canyon by triangulation, hereinbefore described.
 72.00 (Approximate) Bottom of canyon, course S.; ascend steep E. slope.
 78.45 Triangulation point on ridge, brs. N. and SW., 790 ft. below top of cliffs.
 Continue line and measurement by chaining.
 Descend 25 ft., over NW. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 34 and 35, marked on brass cap.

T4S | R15E
 S34 | S35
 T5S
 S2
 1918

And raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 No timber.
 Undergrowth, scattering palo verde, greasewood, catclaw, ocotilla and cacti.
 Poor grass.

6. Dependent Resurvey of S. bdy. of Township 4 South, Range 15 East.

Chains.	
1.10	<p>West, on a true line, on S. bdy. of sec. 34. Over mountainous land, thru scattering undergrowth; descend 12 ft., over NW. slope, to (81.54 chs. W. from closing cor. of secs. 1 and 2), Intersect original cor. of secs. 2, 3, 34 and 35, which is a limestone 10x12x4 ins. above ground firmly set, marked with 2 notches on E. face and 4 notches on W. face, and witnessed by mound of stone, W. of cor. Alongside stone, Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground, to bed rock, supported by a mound of stone, for reestablished cor. of secs. 2 and 3 only, marked on brass cap.</p>
	<p style="text-align: center;"> SECTION S34 <hr/> S 3 S 2 T5S R15E 1918 </p>
	<p>Destroy old mound of stone, W. of cor., and raise a mound of stone, 2½ ft. base, 1½ ft. high, S. of cor. Thence, S. 89° 44' W., on a true line, continuing measurement of S. bdy. of sec. 34.</p>
9.80	<p>Descend 60 ft., over NW. slope, to Wash, 45 lks. wide, course S.; ascend 100 ft., over SE. slope.</p>
18.90	<p>Ridge, brs. NE. and SW.; descend 120 ft. over W. slope.</p>
28.10	<p>Draw, 30 lks. wide, course SW.; ascend 40 ft., over E. slope.</p>
30.95	<p>Spur, slopes S.; descend 60 ft., over W. slope.</p>
37.10	<p>Gulch, 45 lks. wide, course S.; ascend 45 ft., over E. slope, to</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bed rock, supported by a mound of stone, for reestablished ¼ sec. cor. of sec. 34 only, marked on brass cap.</p>
	<p style="text-align: center;"> $\frac{1}{4}$ S 34 1918 </p>
40.68	<p>and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor. (39.58 chs. S. 89° 44' W. from cor. of secs. 2 and 3) Intersect original ¼ sec. cor. of secs. 3 and 34, which is a granite stone, 8x6x10 ins. above ground, marked "¼" on N. face, and witnessed by pits E. and W., and mound of earth E. of cor. Alongside old stone, Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished ¼ sec. cor. of sec. 3 only, marked on brass cap.</p>
	<p style="text-align: center;"> $\frac{1}{4}$ S 3 1918 </p>
	<p>Original bearing tree is missing. Destroy all trace of pits and mound of earth, and raise a mound of stone, 2½ ft. base, 1½ ft. high, S. of cor.</p>
46.35	<p>Ascend 115 ft., over E. slope.</p>
51.45	<p>Ridge, brs. NW. and S.; descend 90 ft., over SW. slope.</p>
60.70	<p>Draw, 25 lks. wide, course S.; ascend 110 ft., over SE. slope.</p>
68.85	<p>Spur, slopes SW.; descend 160 ft., over W. slope.</p>
	<p>Draw, 25 lks. wide, course SW.; ascend 100 ft., over SE. slope.</p>
76.00	<p>Spur, slopes S.; descend 70 ft., over SW. slope, to</p>
80.00	<p>(39.32 chs. S. 89° 44' W., from ¼ sec. cor. of sec. 3) Intersect the original cor. of secs. 3, 4, 33 and 34, which is a granite stone 16x12x20 ins. above ground, marked with 3 notches on each of E. and W. faces, and witnessed by mound of stone, E. of cor. Alongside old stone, Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, supported by a mound of stone, for reestablished cor. of secs. 3, 4, 33 and 34, marked on brass cap.</p>

Dependent Resurvey of S.bdy. of Township 4 South, Range 15 East. 7

Chains.

T4S	R15E
S33	S34
S 4	S 3
T5S	
1918	

from which,

A palo verde, 4 ins. in diam., brs. N. 21° W., 35 lks. dist., marked "T V S R X V E". This may be the original B.T. on record as being W. 40 lks. dist. from cor.

Destroy old mound of stone, E. of cor., and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.

Land, mountainous.

Soil, rocky, 4th rate, granite and lime formation.

No timber.

Undergrowth, scattering palo verde, greasewood, catclaw and cacti.

Fair grass.

S. 89° 44' W., on a true line, on the S. bdy. of sec. 33. Over mountainous land, thru. scattering undergrowth. Descend 10 ft., over SW. slope.

1.00 Draw, 15 lks. wide, course SE.; ascend 70 ft., over E. slope.

5.40 Spur, slopes S.; descend 100 ft., over W. slope, to

10.80 Draw, 45 lks. wide, course SW.; thence over rolling SW. slope.

16.00 Wash, 60 lks. wide, 2 ft. deep, course SW.

17.60 Road, brs. N. and S.

32.20 Wash, 200 lks. wide, 3 ft. deep, course S.; ascend 60 ft., over E. slope.

37.60 Intersect the original ¼ sec. cor. of secs. 4 and 33, which is a granite stone, 14x8x16 ins. above ground, marked "¼" on N. face, and witnessed by pits E. and W., and mound of earth E. of cor. Reset this stone with marking on S. face, and alongside old stone,

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished ¼ sec. cor. of sec. 4 only, marked on brass cap,

¼ S 4
1918

Destroy all trace of old pits and mound, and raise a mound of stone 2½ ft. base, 1½ ft. high, S. of cor. Continue line and measurement.

40.00 Ascend 10 ft, over E. slope, to (2.40 chs. S. 89° 44' W. from ¼ sec. cor. of sec. 4) Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, to bed rock, supported by a mound of stone, for reestablished ¼ sec. cor. of sec. 33 only, marked on brass cap,

¼ S 33
1918

and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.

Ascend 10 ft. over E. slope.

42.00 Ridge, brs. N. and S.; descend 85 ft., over W. slope.

48.10 Draw, 30 lks. wide, course SW.; ascend 75 ft., over E. slope.

57.60 Spur, slopes S. from NE.; descend 75 ft., over SW. slope.

64.60 Draw, 45 lks. wide, course SW.; ascend 80 ft., over E. slope.

76.20 Spur, slopes S.; descend 15 ft., over W. slope, to

77.19 (39.59 chs. S. 89° 44' W., from ¼ sec. cor. of sec. 4) Intersect

8. Dependent Resurvey of S.bdy. of Township 4 South, Range 15 East.

Chains.

original cor. of secs. 4, 5, 32 and 33, which is a granite stone, 14x12x8 ins. above ground, marked with 4 notches on E. face and 2 notches on W. face, and witnessed by mound of stone E. of cor. Alongside old stone, Set an iron post 3 ft. long, 2 ins. in diam., 22 ins. in the ground, to bed rock, supported by a mound of stone, for reestablished cor. of secs. 4 and 5 only, marked on brass cap,

T4S R15E
S33
S 5 | S 4
T5S R15E
1918

Destroy all trace of mound of stone E. of cor., and raise a mound of stone 2 1/2 ft. base, 1 1/2 ft. high, S. of cor.

Thence, S. 89° 51' W., on true line, continuing measurement of S. bdy. of sec. 33.

80.00

Descend 60 ft., over W. slope, to (2.81 chs. from cor. of secs. 4 and 5) Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 32 and 33 only, marked on brass cap,

T4S R15E
S32 | S33
S 5
T5S R15E
1918

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

Land, mountainous.

Soil, rocky, 4th rate, conglomerate formation.

No timber.

Undergrowth, scattering catclaw, palo verde, greasewood and cacti.

Fair grass.

S. 89° 51' W., on a true line, along the S. bdy. of sec. 32. Over mountainous and rolling land, thru scattering undergrowth.

1.60 Descend 15 ft., over W. slope, to Wash, 10 lks. wide, 2 ft. deep, course SW.; descend 10 ft. over SW. slope, to

3.75 Wash, 10 lks. wide, 3 ft. deep, course SE.; ascend 100 ft., over E. slope, to

12.40 Top of ascent, brs. N. and S.; descend 125 ft., over SW. slope.

17.10 Wash, 20 lks. wide, 2 ft. deep, course S.; ascend 50 ft., over S. slope.

26.40 Top of ascent, brs. N. and S.; descend 100 ft., over SW. slope, to

37.17 (Proportional dist. of 39.98 chs. S. 89° 51' W. from cor. of secs. 4 and 5) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished 1/4 sec. cor. of sec. 5 only, marked on brass cap,

1/4 S 5
1918

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

Continue line and measurement.

Descend 20 ft., over SW. slope, to

39.20 Wash, 30 lks. wide, 3 ft. deep, course SW. Thence over S. slope.

Dependent Resurvey of S. bdy. of Township 4 South, Range 15 East. 9

Chains.

40.00

(2.83 chs. S. 89° 51' W. from 1/4 sec. cor. of sec. 5) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished 1/4 sec. cor., of sec. 32 only, marked on brass cap,

1/4 S 32

1918

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

Descend 25 ft. to

53.40

Wash, 40 lks. wide, 6 ft. deep, course SW.; descend 45 ft. to

59.60

Wash, 30 lks. wide, 2 ft. deep, course S.; descend 20 ft. to

67.30

Wash, 50 lks. wide, 3 ft. deep, course SE.; ascend 15 ft. to

70.50

Wash, 50 lks. wide, 4 ft. deep, course SE.; ascend 85 ft. over gradual E. slope, to cor. of secs. 5 and 6.

75.45

Old road, brs. NW. and SE.

77.15

(79.96 chs. S. 89° 51' W. from cor. of secs. 4 and 5) Intersect original cor. of secs. 5, 6, 31 and 32, which is a limestone 14x8x8 ins. above ground, marked with 5 notches on E. face and 1 notch on W. face, and witnessed by mound of stone, E. of cor.; alongside stone, set an iron post 3 ft. long, 2 ins. in diam., 22 ins. in the ground, to bed rock, supported by a mound of stone, for reestablished cor. of secs. 5 and 6, only, marked on brass cap,

T4S 32

S 6 | S 5
T5S | R15E
1918

from which,

A palo verde 8 ins. in diam., brs. S. 47 1/2° E., 57 lks. dist., marked T5S. R15E S5 BT.

No other trees.

Destroy old mound of stone, E. of cor., and raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, S. of cor.

Thence,

N. 89° 52' W., on a true line, continuing measurement of S. bdy. of sec. 32. Ascend 20 ft., over E. slope, to

80.00

Ridge, brs. N. and S.,

81.10

(2.85 chs. N. 89° 52' W. from cor. of secs. 5 and 6) Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground, to bed rock, supported by a mound of stone, for reestablished cor. of secs. 31 and 32 only, marked on brass cap,

T4S | R15E
S31 | S32
S6

T5S
1918

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

Land, rolling and mountainous.

Soil, rocky, 4th rate, conglomerate formation.

No timber.

Undergrowth, scattering palo verde, catclaw, ocotilla, greasewood and cacti.

Fair grass.

N. 89° 52' W., on a true line, on S. bdy. of sec. 31.

Over rolling and mountainous land, thru. scattering undergrowth.

Descend 50 ft., over SW. slope, to

10 Dependent Resurvey of the S. bdy. of T. 4 S., R. 15 E.

Chains.

- 10.50 Wash, 15 lks. wide, 2 ft. deep, course SW.
 18.25 Wash, 15 lks. wide, 2 ft. deep, course SE.; ascend 50 ft.,
 over broken NE. slope.
 26.65 Spur, slopes SW. from N.; descend 165 ft., over W. slope, to
 39.27 (Proportional dist. of 42.12 chs. N. 89° 52' W. from cor. of
 secs. 5 and 6) Set an iron post, 3 ft. long, 1 in. in
 diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec.
 cor. of sec. 6 only, marked on brass cap,

$\frac{1}{4}$ S 6
 1918

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

- 40.00 Descend 5 ft., over W. slope, to
 (0.73 chs. N. 89° 52' W. from $\frac{1}{4}$ sec. cor. of sec. 6) Set an iron
 post, 3 ft. long, 1 in. in diam., 12 ins. in the ground,
 to bed rock, supported by a mound of stone, for rees-
 tablished $\frac{1}{4}$ sec. cor. of sec. 31 only, marked on brass
 cap,

$\frac{1}{4}$ S 31
 1918

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

- 41.70 Descend 15 ft., over W. slope, to
 Wash, 30 lks. wide, 3 ft. deep, course SW.; ascend 140 ft., over
 SE. slope.
 56.60 Spur, slopes SW.; descend 105 ft., over W. slope.
 67.70 Wash, 30 lks. wide, 1 ft. deep, course SW.; ascend 65 ft.
 over SE. slope.
 75.70 Ridge, brs. NE. and SW.; descend 120 ft., over NW. slope, to
 81.39 (84.24 chs. N. 89° 52' W. from cor. of secs. 5 and 6) Intersect
 the original cor. of T. 4 and 5 S., R. 14 and 15 E., a
 granite stone, hereinbefore described.

Land, rolling and mountainous.

Soil, rocky, 4th rate, conglomerate formation.

No timber.

Undergrowth, scattering palo verde, ocetilla, catclaw,
 greasewood and cacti.

Fair grass.

Dependent Resurvey of part of W.bdy. of T. 4 S., R.15 E. 11.

Chains.

Retracement for Resurvey:

From the original cor. of Ts. 4 and 5 S., Rs. 14 and 15 E., which is a granite stone, hereinbefore described, North, on random line, bet. secs. 31 and 36 (S. $\frac{1}{2}$).

39.47 Fall 20 lks. E. of the original $\frac{1}{4}$ sec. cor. of secs. 31 and 36, hereinafter described. True course and dist. of the preceding half-mile are therefore, N. 0° 17' W., 39.47 chs.

Thence,
North, on random line, bet. secs. 31 and 36 (N. $\frac{1}{2}$).

39.15 Fall 32 lks. W. of the original cor. of secs. 25, 30, 31, and 36, hereinafter described. True course and dist. of the preceding half mile are therefore, N. 0° 28' E., 39.15 chs.

From the original cor. of secs. 25, 30, 31 and 36, North, on random line, bet. secs. 25 and 30 (S. $\frac{1}{2}$).

39.60 Fall 35 lks. W. of the original $\frac{1}{4}$ sec. cor. of secs. 25 and 30, hereinafter described. True course and dist. of the preceding half mile are therefore, N. 0° 30' E., 39.60 chs.

Thence,
North, on random line, bet. secs. 25 and 30 (N. $\frac{1}{2}$).

40.30 Fall 3 lks. W. of the original cor. of secs. 19, 24, 25 and 30, hereinafter described, the termination of the original survey of this township boundary. True course and dist. of the preceding half mile are therefore, N. 0° 3' E., 40.30 chs.

RESURVEY.

From the original cor. of Ts. 4 and 5 S., Rs. 14 and 15 E., which is a granite stone, hereinbefore described, N. 0° 17' W., on true line, on W. bdy. of sec. 31, Over rolling and mountainous land, thru scattering undergrowth; descend 30 ft., over SW. slope.

6.40 Wash, 70 lks. wide, 2 ft. deep, course SW.; ascend 100 ft., over SE. slope.

21.25 Ridge, brs. NE. and SW.; descend 40 ft., over NW. slope.

27.75 Wash, 30 lks. wide, 4 ft. deep, course SW.; ascend 100 ft., over SE. slope, to

39.47 Intersect original $\frac{1}{4}$ sec. cor. of secs. 31 and 36, which is an old post with marks nearly obliterated, set in a mound of stone; destroy all trace of same, and in the same place, Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 36 only, marked on brass cap,

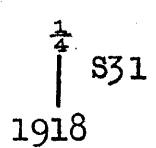


and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Thence,
N. 0° 28' E., on true line, continuing measurement of W. bdy. of sec. 31.

Ascend SE. slope.

40.00 (0.53 chs. N. 0° 28' E., from $\frac{1}{4}$ sec. cor. of sec. 36), Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 31 only, marked on brass cap,



12. Dependent Resurvey of part of ^{W. bdy. of} Township 4 South, Range 15 East.

Chains.

and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
 Ascend 50 ft., over SE. slope.
 44.97 Ridge, brs. NE. and SW.; descend 150 ft., over NW. slope.
 59.67 Wash, 30 lks. wide, 3 ft. deep, course SW.; asc. 185 ft. over SE. slope.
 70.17 Ridge, brs. NE. and SW.; descend 60 ft., over NW. slope, to
 78.62 (39.15 chs. N. $0^{\circ}28'E$. from $\frac{1}{4}$ sec. cor. of sec. 36),
 intersect original cor. of secs. 25, 30, 31 and 36, which is an old post, with marks nearly obliterated, set in a mound of stone. Destroy all trace of same, and in the same place,
 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 25 and 36 only, marked on brass cap,

T4S
R14E
S25
S36
1918

and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Thence,
 N. $0^{\circ}30'E$., on true line, continuing measurement of W. bdy. of sec. 31.
 80.00 Descend 25 ft., over NW. slope, to
 (1.38 chs. N. $0^{\circ}30'E$. from cor. of secs. 25 and 36), Set an iron post 3 ft. long, 2 ins. in diam., 18 ins. in the ground, to bed rock, supported by a mound of stone, for reestablished cor. of secs. 30 and 31 only, marked on brass cap,

T4S
R15E
S30
S31
1918

and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
 Land, rolling and mountainous.
 Soil, gravelly, 3rd and 4th rate, conglomerate formation.
 No timber.
 Undergrowth, scattering palo verde, catclaw, greasewood, ocotilla and cacti.
 Fair grass.

N. $0^{\circ}30'E$., on true line, on W. bdy. of sec. 30.
 Over rolling and mountainous land, thru scattering undergrowth; descend 5 ft., over NW. slope, to
 3.70 Draw, 8 lks. wide, course SW.; ascend 110 ft., over SE. slope.
 20.00 Spur, slopes SW.; descend 60 ft., over NW. slope.
 25.40 Drain, 8 lks. wide, course SW.; ascend 40 ft., over W. slope, to
 31.10 Drain, 6 lks. wide, 2 ft. deep, course SW.; ascend 25 ft., over SE. slope, to
 38.22 (39.60 chs. N. $0^{\circ}30'E$. from cor. of secs. 25 and 36), Intersect original $\frac{1}{4}$ sec. cor. of secs. 25 and 30, which is a mound of stone with rotted post in center. Destroy all trace of same, and in same place,
 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 25 only, marked on brass cap,

Dependent Resurvey of part of ^{W. Bdy. of} Township 4 South, Range 15 E.

Chains.

S25
1918

from which original bearing tree,
A palo verde, 4 ins. in diam., brs. S. 69° E., 15 lks.
dist., marked "1/4 S BT."

No other tree; and raise a mound of stone, 2 1/2 ft. base,
1 1/2 ft. high, W. of cor.

Thence,
N. 0° 03' E. on true line, continuing measurement of W. bdy.
of sec. 30.

40.00 Ascend 5 ft. over SE. slope.
(1.78 chs. N. 0° 03' E., from 1/4 sec. cor. of sec. 25), Spur
slopes SW.

Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for reestablished 1/4 sec. cor., of sec. 30
only, marked on brass cap,

1/4
S30
1918

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

45.02 Descend 65 ft. over NW. slope, to
Drain, 10 lks. wide, 2 ft. deep, course SW.; descend 10 ft.
over SW. slope, to

48.02 Wash, 20 lks. wide, 6 ft. deep, course SW.; ascend 150 ft.,
over SE. slope.

71.72 Ridge, brs. NE. and SW.; descend 35 ft., over NW. slope, to

78.52 (40.30 chs. N. 0° 03' E. from 1/4 sec. cor. of sec. 25) Inter-
sect original cor. of secs. 19, 24, 25 and 30, which is
an old post with marks obliterated set in center of
mound of stone. Destroy all trace of same, and in
same place,

Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in
the ground, for reestablished cor. of secs. 24 and 25
only, marked on brass cap,

T4S
R14E
S24
S25
1918

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

Thence,
North, on true line, continuing measurement of W. bdy.
of sec. 30.

80.00 Descend 5 ft., over NW. slope, to
(1.48 chs. N. from cor. of secs. 24 and 25) Set an iron post,
3 ft. long, 2 ins. in diam., 24 ins. in the ground, for
reestablished cor. of secs. 19 and 30 only, marked on
brass cap,

T4S
R15E
S19
S30
1918

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

Land, rolling and mountainous.
Soil, rocky, 4th rate, conglomerate formation.

14 Dependent Resurvey of part of W.bdy. of T. 4 S., R. 15 E.

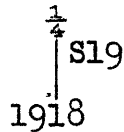
Chains.

No timber.
Undergrowth, scattering catclaw, greasewood, ocotilla, palo verde, mesquite and cacti.
Fair grass.

SURVEY of part of West bdy. of T. 4 S., R. 15 E.

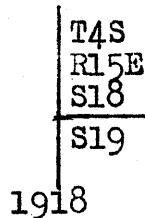
From reestablished cor. of secs. 19 and 30, hereinbefore described,
North, on true line, on W. bdy. of sec. 19.
Over rolling land, thru. dense undergrowth; descend 10 ft. over W. slope, to

- 3.50 Spur, slopes SW.; descend 50 ft., over NW. slope.
- 10.50 Drain, 15 lks. wide, 6 ft. deep, course SW.; ascend 20 ft.
- 11.00 Point of spur, slopes SW.; descend gradually, over NW. slope.
- 25.40 Draw, 15 lks. wide, course SW.
- 27.10 Draw, 20 lks. wide, course SW.; ascend 30 ft.
- 29.00 Point of spur, slopes SW.; descend 45 ft.
- 33.80 Bend in wash, 75 lks. wide, course SW. from NW.; ascend 45 ft. to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{2}$ sec. cor. of sec. 19 only, marked on brass cap,



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

- 46.90 Descend 15 ft. to Wash, 25 lks. wide, with cut banks 25 ft. high; ascend 200 ft., over SW. slope.
- 57.00 Point of spur, slopes SW.; descend 120 ft., over NW. slope.
- 63.90 Wash, 50 lks. wide, 10 ft. deep, course SW.; ascend 80 ft. over SE. slope.
- 70.00 Old mining camp and spring in wash about 5 chs. east.
- 72.75 Drain, 30 lks. wide, 15 ft. deep, course SE.; ascend 60 ft., over SW. slope, to
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 18 and 19 only, marked on brass cap,



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

Land, rolling.
Soil, rocky, 4th rate, conglomerate formation.
No timber.
Undergrowth, dense greasewood, palo verde, catclaw, coffee brush, ocotilla and cacti.
Poor grass.

North, on the W. bdy. of sec. 18.
Over mountainous land, thru. dense undergrowth; ascend 285 ft., over SW. slope.

- 8.00 Road, brs. NW. and SE.
- 19.00 Spur, slopes SE.; descend 160 ft., over NE. slope.
- 26.00 Draw, 20 lks. wide, course SE.; ascend 70 ft., over S. slope.
- 30.00 Point of spur, slopes SE.; descend 80 ft., over NE. slope.

Survey of part of West bdy. of Township 4 South, Range 15 East, 15

Chains.	
37.40	Draw, 15 lks.wide, course SE.; ascend 65 ft., over SW. slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 18 only, marked on brass cap,
	$\frac{1}{4}$ S18 1918
	and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor. Ascend 25 ft.
42.00	Spur, slopes SE.; descend 60 ft., over NE. slope.
46.85	Draw, 15 lks.wide, course SE.; ascend 150 ft., over SW. slope.
53.00	Spur, slopes SE.; ascend 115 ft., over E. slope, to
70.00	Head of draw, course SE.; ascend 15 ft., over SE. slope, to
71.50	Ridge, brs. NE. and SW.; ascend 15 ft., over W. slope, to
73.00	Head of draw, course SW.; ascend 40 ft. to
78.00	Spur, slopes SW.; descend 25 ft., over NW. slope, to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 7 and 18 only, marked on brass cap,
	T4S R15E S7 S18 1918
	and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, E. of cor. Land, mountainous. Soil, rocky, 4th rate, conglomerate formation. No timber. Undergrowth, dense palo verde, greasewood, ocotilla, cat-claw, Spanish dagger, coffee brush and cacti. Fair grass.

	North, on the W. bdy. of sec. 7. Over mountainous land; thru. dense undergrowth; descend 150 ft., over NW. slope.
8.90	Draw, 20 lks.wide, course SW.; ascend 20 ft., over S. slope, to
11.00	Ascend 300 ft. over broken SE. slope.
19.00	Ridge, brs. NE. and SW.; descend 275 ft., over broken cliffy NW. slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 7 only, marked on brass cap,
	$\frac{1}{4}$ S 7 1918
	and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. base, E. of cor. Descend 100 ft.
44.50	Bottom of canyon, 30 lks.wide, course SW.; ascend 360 ft. over broken, cliffy SE. slope.
57.00	Ridge, brs. NE. and SW.; descend 25 ft., along W. slope, to
62.00	Ascend 85 ft., over S. slope.
66.00	Spur, slopes SW.; descend 280 ft., over broken, cliffy NW. slope, to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, to bed rock, supported by a mound of stone, for the cor. of secs. 6 and 7 only, marked on brass cap,

16 Survey of part of W.bdy. of Township 4 South, Range 15 East.

Chains.

T4S
R15E
S 6
S 7

1918

and raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, W. of cor.; unable to build mound to the E. on account of sloping cliffs; a spring in canyon, about 1 ch. west of cor., flows SW.

Land, mountainous.

Soil, rocky, 4th rate, lime formation.

No timber.

Undergrowth, dense palo verde, catclaw, coffee brush, greasewood, ocotilla, mesquite and cacti.

Poor grass.

North, on the W. bdy. of sec. 6.

Over mountainous land, thru dense undergrowth; descend 20 ft. over NW. slope.

1.20 Bottom of canyon, 20 lks. wide, course SW.; ascend 635 ft. over broken SE. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 6 only, marked on brass cap,

1/4
↑
S 6

1918

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

Ascend 90 ft., over SE. slope.

43.40 Ridge, brs. NE. and SW.; descend 35 ft., over W. slope, to

56.00 Descend 165 ft., over NW. slope.

65.95 Gulch, 30 lks. wide, course SW.; ascend 310 ft. over SE. slope.

73.62 Cor. of Ts. 3 and 4 S., R. 14 E., described in Book "H."

80.00 Point of spur, slopes SE. Set an iron post, 3 ft. long 3 ins. in diam., 12 ins. in the ground, to bed rock, supported by a mound of stone, for the cor. of Ts. 3 and 4 S., R. 15 E. only, marked on brass cap,

T3S
R15E
S31
S 6
T4S

1918

And raise a mound of stone, 4 ft. base, 2 ft. high, E. of cor.

Land, mountainous.

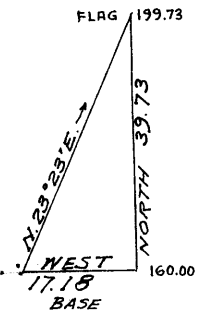
Soil, rocky; 4th rate, lime formation.

No timber.

Undergrowth, dense catclaw, coffee brush, mesquite, ocotilla, mezeal and cacti.

Fair grass.

Independent & Dependent resurvey of part of E. bdy. of T. 4 S., R. 15 E. 17

Chains.	<u>Retracement for Resurvey:</u>
	From the original cor. of Ts. 4 and 5 S., Rs. 15 and 16 E., hereinbefore described, North, on a random line, bet. secs. 31 and 36.
40.14	Fall 2 ins. E. of the original $\frac{1}{4}$ sec. cor. of secs. 31 and 36, which is a 1 in. iron post, 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by mound of stone W. of cor. No bearing trees.
78.54	Fall 27 lks. W. of the original cor. of secs. 25, 30, 31 and 36, which is a 3 ins. iron post, 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by mound of stone, W. of cor. No bearing trees.
118.19	Fall 22 lks. E. of the $\frac{1}{4}$ sec. cor. of secs. 25 and 30, a 1 in. iron post, 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by mound of stone, W. of cor. No bearing trees.
	Between this cor., and the cor. of secs. 7, 12, 13 and 18, this township bdy. is unsurveyed, and as the preceding $1\frac{1}{2}$ miles is subject to rectification in the resurvey thereof, continue line and measurement to obtain the true bearing of a direct line bet. the cor. of Ts. 4 and 5 S., Rs. 15 and 16 E., and the cor. of secs. 7, 12, 13 and 18.
160.00	Set temp. cor. for secs. 19, 24, 25 and 30, Discontinue chaining and triangulate across broken cliffy canyon, course E., as follows: Measure a base W. 17.18 chs., Set flag ahead on random line at top of cliffs. From W. end of base, flag brs. N. $23^{\circ}23'$ E... Included angles are, $66^{\circ}37'$, $23^{\circ}23'$ and $90^{\circ}00'$, the sum of which is $180^{\circ}00'$. Dist. triangulated on random line is obtained by $\text{tang } 66^{\circ}37' \times \text{base}$ or $2.31271 \times 17.18 \text{ chs.} = 39.73 \text{ chs.}$, which added to 160.00 chs. =
	
199.73	Flag point at top of high cliffs, bears NE. and SW., 200 ft. high.
	Continue line and measurement by chaining.
200.00	Set temp. $\frac{1}{4}$ sec. cor. of secs. 19 and 24.
240.00	Set temp. cor. for secs. 13, 18, 19 and 24.
280.00	Set temp. $\frac{1}{4}$ sec. cor. of secs. 13 and 18.
320.00	Set temp. cor. of secs. 12 and 13.
321.32	Fall 22 lks. E. of the original cor. of secs. 7, 12, 13 and 18, which is a 3 in. iron post, hereinafter described. True course and dist. of Tp. bdy. from cor. of Ts. 4 and 5 S. Rs. 15 and 16 E. to this sec. cor. are therefore N. $0^{\circ}2'W.$, 321.32 chs.
	Section 7 of T. 4 S., R. 16 E. being an accepted surveyed area, the resurvey of the Tp. bdy. on the W. of said sec. is not subject to rectification, and constitutes a dependent resurvey, as hereinafter described.
	From original cor. of secs. 7, 12, 13 and 18, North, on random line on W. bdy. of sec. 7 ($S. \frac{1}{2}$).
39.99	Intersect the original $\frac{1}{4}$ sec. cor. of secs. 7 and 12, a 1 in. iron post, hereinafter described. True course and dist. of $S. \frac{1}{2}$ of W. bdy. of sec. 7 are therefore, North, 39.99 chs.
	Thence, North, on random line on W. bdy. of sec. 7 ($N. \frac{1}{2}$).
40.07	Intersect the original corner of secs. 1, 6, 7 and 12, a 3 ins. iron post, hereinafter described. True course and dist. of $N. \frac{1}{2}$ of W. bdy. of sec. 7 are therefore North, 40.07 chs.
	From the original cor. of secs. 1, 6, 7 and 12, North, on random line, on W. bdy. of sec. 6 ($S. \frac{1}{2}$).

Independent and Dependent Resurvey of parts of E. bdy. of
18 Township 4 South, Range 15 East.

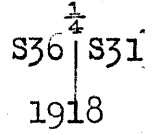
Chains.

- 39.93 Intersect the original $\frac{1}{4}$ sec. cor. of secs. 1 and 6, a 1 in. iron post, hereinafter described. True course and dist. of S. $\frac{1}{2}$ of W. bdy. of sec. 6, are therefore North, 39.93 chs. Thence, North, on random line on W. bdy. of sec. 6, (N. $\frac{1}{2}$).
- 40.00 Intersect the original cor. of Ts. 3 and 4 S., Rs. 15 and 16 E., a 3 in. iron post, hereinafter described. True course and dist. of N. $\frac{1}{2}$ of W. bdy. of sec. 6 are therefore, North, 40.00 chs.

S

Independent Resurvey of part of E. bdy. of T. 4 (N), R. 15 E.

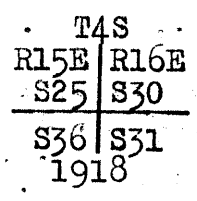
- .75 Road brs. NW. and SE.
- 18.60 Point of spur, slopes SW.; descend 65 ft., over NW. slope.
- 23.10 Draw, 12 lks. wide, course SW.; ascend 430 ft., over SW. slope.
- 36.60 Spur, slopes W.; descend 20 ft. over NW. slope, to
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 16 ins. in the ground, to bedrock, supported by a mound of stone, for reestablished $\frac{1}{4}$ sec. cor. of secs. 31 and 36, marked on brass cap,



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

The iron post just described was originally set 14 lks. N. 0°02' W. of this point, being moved after having destroyed its accessories.

- 45.50 Descend 25 ft., over NW. slope, to
- 46.10 Head of draw, course W.; ascend 125 ft., over S. slope. Transmission line, supported by steel towers, brs. N. 21° E. and S. 21° W.
- 54.90 Point of spur, slopes SW.; descend 75 ft. over N. slope.
- 60.90 Wash, 15 lks. wide, course NW.; ascend 70 ft., over W. slope.
- 77.50 Top of ascent; descend 20 ft., over W. slope.
- 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 25, 30, 31 and 36, marked on brass cap,



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

The iron post just described was originally set 150 lks., S. 12°15' E. of this point, being moved after having destroyed its accessories.

Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 No timber.
 Undergrowth, scattering palo verde, catclaw, greasewood, coffee brush and cacti. Poor grass.

Chains.

N.0°02'W., on a true line, bet. secs. 25 and 30.
 Over mountainous land, thru dense undergrowth; ascend 25 ft., over W. slope.

1.50 Ridge, brs. NE. and SW. Thence along W. slope, to
 3.20 Head of draw, course SW.; ascend 335 ft., over SW. slope.
 18.50 Point of spur, slopes SW.; descend 50 ft., over NW. slope.
 24.00 Draw, 20 lks. wide, course SW.; ascend 275 ft. over SW. slope.
 37.80 Ridge, brs. NW. and SE.; descend 65 ft., over NE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of secs. 25 and 30, marked on brass cap,



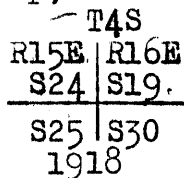
and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.

The iron post just described was originally set 182 lks. S.4°30'W. of this point, being moved after having destroyed its accessories.

SURVEY.

From reestablished $\frac{1}{4}$ sec. cor. of secs. 25 and 30, described above,
 N.0°2'W., on true line, continuing measurement bet. secs. 25 and 30, from cor. of secs. 25, 30, 31 and 36.
 Descend 325 ft., over NE. slope.

45.20 Trail brs. NW. and SE.
 50.50 Head of draw, course E.; ascend 100 ft. over SE. slope.
 54.00 Point of spur, slopes E.; descend 130 ft., over NE. slope.
 60.00 Head of draw, course SE.; ascend 410 ft., over SE. slope.
 72.70 Point of spur, slopes E.; descend 150 ft., over NE. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 19, 24, 25 and 30, marked on brass cap,



and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.

A pine post, 4 ins. sq., 30 ins. protruding from a mound of stone, 4 ft. base, 2 ft. high, post painted red with upper 6 inches white, marked with green paint

4 on N. and S. faces, brs. N.32°16'E., 14.41 chs. dist.
L B"

A limestone in place, marked with a cross (x) and 4 chiseled in, brs. N.50°E., 5 lks. dist. from the pine post. (Mining Company's engineer stated that the stone was the cor. set by mineral surveyor; no other corners found.)

Land, mountainous.

Soil, rocky, 4th rate, lime formation.

No timber.

Undergrowth, dense scrub oak, Spanish dagger, cacti and ocotilla.

Poor grass.

N.0°02' W., on a true line, bet. secs. 19 and 24.
 Over mountainous land, thru scattering undergrowth.
 Descend 400 ft., over broken NE. slope.

20 Survey of part of E. bdy. of Township 4 South, Range 15 East.

Chains.

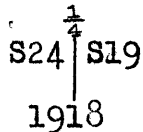
Measurement across canyon by triangulation hereinbefore described.

22.00 (Approximate) Canyon, course E.; ascend about 400 ft. over broken cliffy S. slope.

39.73 Flag point of triangulation; top of cliffs, bears NE. and SW.; continue line and measurement by chaining.

Descend along E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, to bed rock, supported by a mound of stone, for 1/4 sec. cor., marked on brass cap,



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

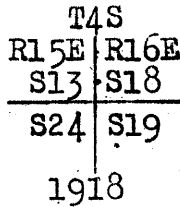
49.10 Descend 115 ft., over broken E. slope, to Ridge, brs. NE. and SW.; descend 140 ft., over NW. slope, to

56.80 Cliff, brs. E. and W., facing N., about 80 ft. high; from foot of cliff, descend 210 ft. over N. slope.

67.00 Gulch, 45 lks. wide, course NE.; ascend 140 ft., over SE. slope.

70.70 Spur, slopes NE.; descend 70 ft., over NE. slope, to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground, to bed rock, supported by a mound of stone, for the cor. of secs. 13, 18, 19 and 24, marked on brass cap,



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

Land, mountainous.

Soil, rocky, 4th rate, lime formation.

No timber.

Undergrowth, scattering palo verde, Spanish dagger, ocotilla, scrub oak, coffee brush and cacti.

Fair grass.

N.0°02'W., on a true line, bet. secs. 13 and 18.

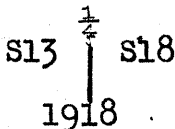
Over mountainous land, thru. dense undergrowth; descend 110 ft., over NE. slope, to

4.70 Head of draw, course SE.; ascend gradually, over E. slope to

10.30 Ridge, brs. NE. and SW.; descend 325 ft., over broken NW. slope.

37.35 Wash, 40 lks. wide, course N.65°E.; ascend 20 ft., over broken SE. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bed rock, supported by a mound of stone, for 1/4 sec. cor., marked on brass cap,



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

Ascend 35 ft. over SE. slope.

43.60 Spur, slopes NE.; descend 90 ft., over broken NE. slope, to

56.15 Drain, 15 lks. wide, 3 ft. deep, course NE.; descend 40 ft. over NE. slope.

Survey of part of East bdy. of Township 4 South, Range 15 East. 21

Chains.

- 60.75 Gulch, 30 lks. wide, course NE.; ascend 125 ft., over E. slope.
- 67.10 Road brs. NE. and SW.
- 69.90 Ridge, brs. NE. and SW.; descend 150 ft., over NW. slope.
- 77.90 Gulch, 15 lks. wide, course NE.; ascend 25 ft., over SE. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, to bed rock, supported by a mound of stone, for reestablished cor. of secs. 12 and 13 only, marked on brass cap,

T4S
 S12
 S13
 R15E
 1918

and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 No timber.
 Undergrowth, dense catclaw, mesquite, ocotilla, coffee brush, scrub oak, and cacti.
 Fair grass.

DEPENDENT RESURVEY:

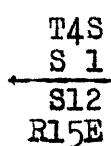
- N. 0° 02' W., on a true line, on E. bdy. of sec. 12. Over mountainous land, thru dense undergrowth. Ascend 15 ft., over SE. slope, to
- 1.32 Intersect original cor. of secs. 7, 12, 13 and 18, an iron post, 3 ins. in diam., 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by mound of stone, W. of cor. No bearing trees. Change this cor. to refer to secs. 7. and 18 only, by destroying all marks on brass cap referring to secs. 12 and 13; destroy mound of stone W. of cor., and raise a mound of stone 2½ ft. base, 1½ ft. high, E. of cor. Thence, North, on a true line, continuing measurement of E. bdy. of sec. 12; ascend 15 ft. over SE. slope.
- 3.00 Spur, slopes E.; descend 35 ft. over NE. slope.
- 4.80 Head of draw, course E.; ascend 20 ft., over SE. slope.
- 9.00 Spur, slopes NE.; descend 100 ft., over N. slope.
- 17.30 Gulch, 15 lks. wide, course E.; ascend 75 ft., over SE. slope.
- 22.00 Ridge, brs. NE. and SW.; leave mountainous, and enter rolling land; descend 40 ft. over gentle N. slope, to
- 31.40 Irrigation ditch, 1 ft. wide, course NE.; descend 45 ft., over NE. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished ¼ sec. cor. of sec. 12, only, marked on brass cap,

¼
 S12
 1918

- and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.
- Descend slightly to
- 41.31 (39.99 chs. N. from cor. of secs. 7 and 18) Intersect original ¼ sec. cor. of secs. 7 and 12, an iron post, 1 in. in diam., 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, W. of cor. No bearing trees. Change this cor. to refer to sec. 7. only by destroying marks on brass cap, referring to sec. 12, destroy mound

22 Dependent Resurvey of part of E.bdy.of Township 4 S.,R.15 E.

Chains. of stone, W.of cor., and raise mound of stone 2½ ft. base, 1½ ft. high, E.of cor.
 Descend 35 ft.,over NE.slope,to
 47.30 Spur,slopes NE.; descend 35 ft.,over NW.slope.
 52.60 Wash, 60 lks.wide, 4 ft. deep, course NE.; ascend 60 ft., over SE.slope.
 55.00 Spur,slopes NE ; descend 100 ft., over N:slope,to
 61.30 Enter Dripping Springs Valley, brs.E. and W.;descend gradually to wash.
 65.30 Road brs.W. to Globe and E. to Christmas.
 69.30 Dripping Springs Wash, 100 lks.wide, 3 ft. deep,course E. Ascend gradually.
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor.of secs. 1 and 12, only,marked on brass cap,



1918

and raise a mound of stone, 2½ ft. base, 1½ ft. high, W.of cor.
 Land,mountainous and rolling.
 Soil,rocky,4th rate, except in Dripping Springs Valley, where it is a sandy loam, 2nd rate, conglomerate and alluvial formation.
 No timber.
 Undergrowth, dense catclaw, mesquite,ocotilla, coffee brush, cholla and other cacti.
 Fair grass.

1.38 North, on a true line, on E. bdy.of sec.1.
 Over level valley, thru. dense undergrowth.
 (40.07 chs.N.from ¼ sec.cor. of sec.7) Intersect original cor.of secs. 1,6,7 and 12, an iron post, 3 ins. in diam.,12 ins. above ground, firmly set, properly mark-on brass cap, and witnessed by mound of stone, W.of cor. No bearing trees. Change this cor.to refer to secs.6 and 7 only, by destroying markings on brass cap, referring to secs. 1 and 12,destroying mound of stone W.of cor., and raise mound of stone 2½ ft. base, 1½ ft. high, E.of cor.
 Continue line and measurement as

INDEPENDENT RESURVEY

5.00 Leave Dripping Springs Valley, brs.E and W.; ascend 100 ft. over SE.slope.
 22.00 Top of ascent, brs.NW. and SE.; descend 25 ft.,over E. slope.
 30.00 West edge of wash course SE. from NE.; ascend 55 ft., over SE.slope,to
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the ground, for reestablished ¼ sec.cor. of sec.1 only, marked on brass cap,



1918

raise a mound of stone, 2½ ft. base, 1½.ft. high, W.of cor.
 Ascend 5 ft.,over SE.slope; to
 41.31 (39.93 chs. N.from cor.of secs. 6 and 7) Intersect ¼ sec. cor. of secs.1 and 6, an iron post, 1 in. in diam.,

Independent Resurvey of part of E.bdy. of T.4 S., R.15 E.

Chains.

10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by mound of stone, W. of cor. No bearing trees. Change this cor. to refer to sec. 6 only, by destroying marking on brass cap, referring to sec. 1, destroy mound of stone, W. of cor., and raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, E. of cor.

55.00 Ascend 15 ft., over SE. slope, to

64.00 Ascend 130 ft., over S. slope, to Top of round knoll on ridge, bearing N. and SW. Thence ascend 30 ft., along top of ridge.

75.00 Leave top of ridge, brs. NE. and S.; descend 20 ft., over W. slope, to

81.31 (40.00 chs. N. from 1/4 sec. cor. of sec. 6) Intersect original cor. of Ts. 3 and 4 S., Rs. 15 and 16 E., which is an iron post 3 ins. in diam., 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by mound of stone S. of cor. No bearing trees.

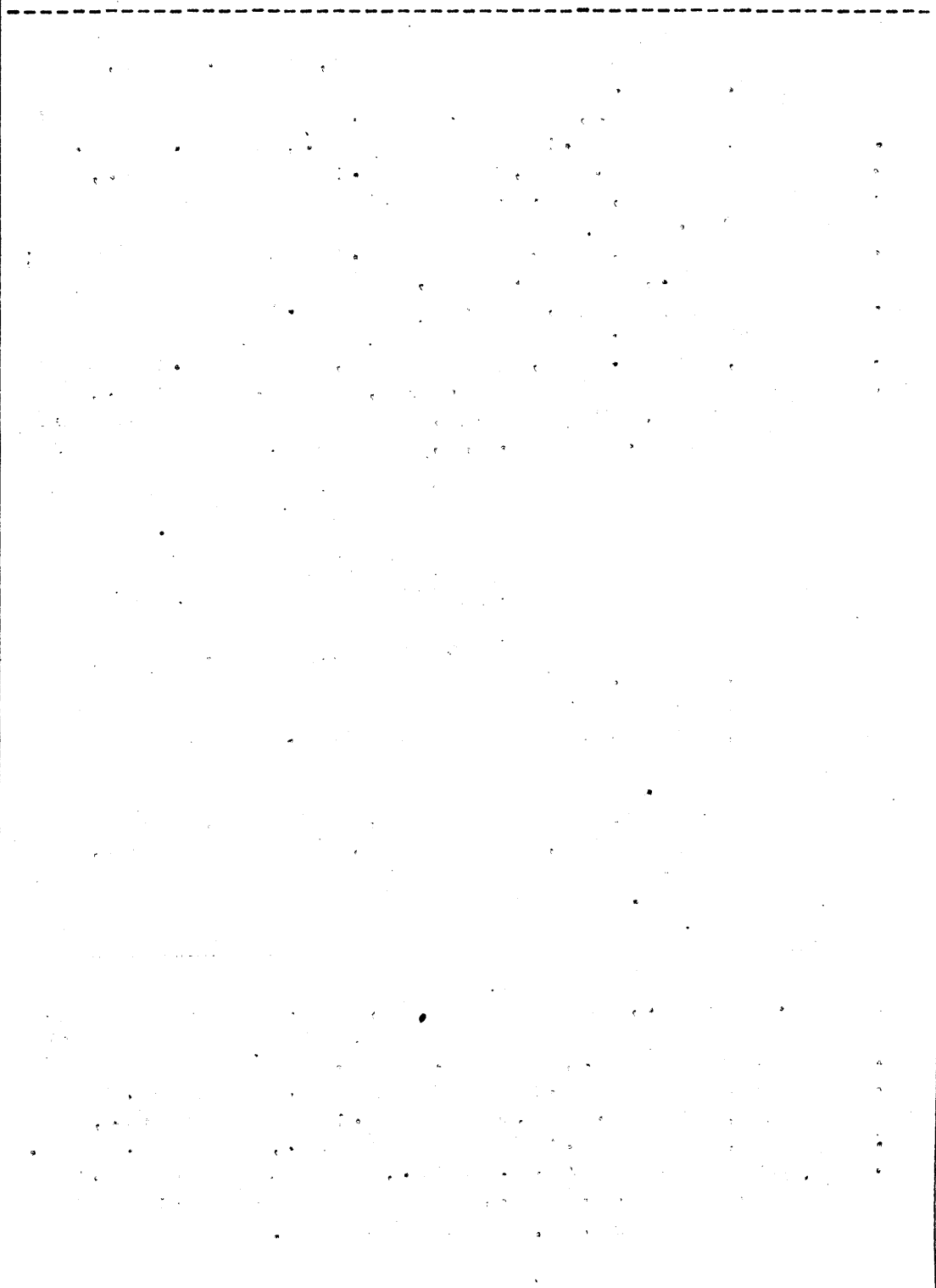
Land, level and rolling.

Soil, sandy loam, 2nd rate in valley, gravelly, 3rd rate, alluvial and conglomerate formation elsewhere.

No timber.

Undergrowth, dense coffee brush, greasewood, mesquite, catclaw, palo verde, ocotilla and cacti.

Fair grass.



146

24. Survey of North boundary of Township 4 South, Range 15 East.

Chains.

From the original cor. of Ts. 3 and 4 S., Rs. 15 and 16 E., hereinbefore described,
 West, on random line, setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs.; and at 479.68 chs., fall 112 lks. N. of the cor. of Ts. 3 and 4 S., R. 15 E., hereinbefore described. The falling answers to a correction of $0^{\circ}08'$, or $18 \frac{2}{3}$ lks. S. per mile, counting from the NE. cor. of the Tp.; therefore,
 From the cor. of Ts. 3 and 4 S., Rs. 15 and 16 E., hereinbefore described,
 S. $89^{\circ}52'W.$, on a true line, bet. secs. 1 and 36.
 Over rolling land, thru. dense undergrowth; descend 125 ft., over W. slope.
 13.50 Wash, 75 lks. wide, 10 ft. deep, course S.; ascend 70 ft. over E. slope.
 16.50 Spur, slopes S.; descend 80 ft., over W. slope.
 33.73 Wash, 40 lks. wide, 6 ft. deep, course SW.; ascend 35 ft., over SE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor. of secs. 1 and 36, marked on brass cap,

S 36
 $\frac{1}{4}$ —————
 S 1
 1918

and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Ascend 90 ft., over SE. slope.
 44.00 Spur, slopes SW.; descend 60 ft., over W. slope.
 54.65 Draw, 15 lks. wide, course SE.; ascend 20 ft., over E. slope.
 58.00 Rim of mesa, brs. N. and S.; thence over level top of mesa.
 65.00 Rim of mesa, brs. NW. and SE.; leave top of mesa; descend 50 ft., over SW. slope, to
 71.00 Foot of descent, brs. NW. and SE.; enter nearly level bottom land.
 79.10 Wash, 60 lks. wide, 4 ft. deep, course SE.; ascend gradually.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 18 ins. in ground, to bed rock, supported by a mound of stone, for the cor. of secs. 1, 2, 35 and 36, marked on brass cap,

T3S | R15E
 S35 | S36
 S 2 | S 1
 T4S
 1918

and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling.
 Soil, gravelly, 2nd and 3rd rate, alluvial and conglomerate formation.
 No timber,
 Undergrowth, dense catclaw, mesquite, coffee brush, grease-wood, mezcal, palo verde, Spanish dagger, ocotilla and cacti.
 Fair grass.

 S. $89^{\circ}52'W.$, on a true line, bet. secs. 2 and 35.
 Over rolling and level land, thru. dense undergrowth.
 1.50 Ascend 200 ft., over NE. slope.
 9.00 Spur, slopes SE.; descend 90 ft., over SW. slope.
 14.60 Draw, 15 lks. wide, course SE.; ascend 90 ft., over SE. slope.
 20.00 Spur, slopes SE.; descend 170 ft., over SW. slope.
 21.60 Vacant house brs. S. $26\frac{1}{2}^{\circ}W.$, about 27 chs. dist.; cement water tank brs. S. $3\frac{1}{2}^{\circ}E.$, about 44 chs. dist.; stockade corral, about 1 ch. E. of cement tank.

Survey of North boundary of Township 4 South, Range 15 East. 25

Chains.

- 30.15 Wash, 20 lks. wide, 3 ft. deep, brs. SE.; ascend 95 ft., over NE. slope.
- 35.00 Spur, slopes SE.; descend 50 ft., over SW. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor. of secs. 2 and 35, marked on brass cap,

$\frac{1}{4}$ S 35

 S 2
 1918

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

- Descend 40 ft., over SW. slope.
- 41.90 Wash, 30 lks. wide, 3 ft. deep, course SE.; enter level land.
- 45.00 Leave level land; ascend 55 ft., over NE. slope.
- 47.00 Spur, slopes SE.; descend 30 ft., over SW. slope.
- 50.00 Foot of descent, brs. NW. and SE.; leave rolling, and enter level land.
- 56.30 Leave level land; descend 25 ft., over SW. slope.
- 59.60 Wash, 100 lks. wide, 3 ft. deep, course SE.; enter Dripping Springs valley, brs. NW. and SE.
- 68.00 Wash, 30 lks. wide, 2 ft. deep, course SE.
- 73.00 Road brs. N. and S.
- 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, 34 and 35, marked on brass cap,

T3S R15E
 S34 | S35

 S 3 | S 2
 T4S
 1918

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

Land, rolling and level.
 Soil, gravelly, 3rd and 4th rate on the rolling land; sandy loam, 2nd rate, conglomerate and alluvial formation in the valley.
 No timber.
 Undergrowth, dense catclaw, mesquite, coffee brush, greasewood, ocotilla and cacti.
 Fair grass.

 S. 89° 52' W., on a true line, bet. secs. 3 and 34.
 Over nearly level rolling land, in Dripping Springs Valley, thru. dense undergrowth.

- 4.20 Wash, 15 lks. wide, 2 ft. deep, course S.
- 5.75 Wash, 60 lks. wide, 3 ft. deep, course SE.
- 9.50 Dripping Springs Wash, 150 lks. wide, 6 ft. deep, course SE.
- 17.30 Wash, 15 lks. wide, 6 ft. deep, course SE.
- 22.00 Road, brs. NW. to Globe and SE. to Christmas.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of secs. 3 and 34, marked on brass cap,

$\frac{1}{4}$ S 34

 S 3
 1918

from which,
 A mesquite, 4 ins. in diam., brs. N. 1° W., 22 lks. dist., marked " $\frac{1}{4}$ S 34 BT."
 A mesquite, 4 ins. in diam., brs. S. 23 $\frac{1}{4}$ ° E., 227 lks. dist., marked " $\frac{1}{4}$ S 3 BT."

- 55.10 Ascend 40 ft., over N. slope, to Wash, 20 lks. wide, 6 ft. deep, course NE.; ascend 140 ft.,

26 Survey of North bdy. of Township 4 South, Range 15 East.

Chains.

64.00 over E. slope.
North end of spur, sloping NE.; descend 80 ft., over NW. slope.

74.30 Draw, course NE.; ascend 80 ft., over E. slope, to
80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 3, 4, 33 and 34, marked on brass cap,

T3S R15E
S33 S34
S 4 S 3
T4S
1918

and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.

Land, level and rolling.

Soil, E. ½, sandy loam, 2nd rate; W. ½, gravelly, alluvial and conglomerate formation, 3rd and 4th rate,

No timber.

Undergrowth, dense catclaw, mesquite, greasewood, coffee brush, ocotilla and cacti.

Fair grass.

S. 89° 52' W., on a true line, bet. secs. 4 and 33.
Over rolling land, thru. dense undergrowth; ascend 20 ft., over E. slope.

.70 Spur, slopes NE.; descend 80 ft., over NW. slope.

4.75 Draw, 15 lks. wide, course NE.; ascend 65 ft., over SE. slope.

7.00 Spur, slopes NE.; descend 90 ft., over NW. slope.

9.65 Draw, 30 lks. wide, course NE.; ascend 150 ft., over SE. slope, to

22.00 Spur, slopes NE.; descend 25 ft., over N. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, to bed rock, supported by a mound of stone, for ¼ sec. cor. of secs. 4 and 33, marked on brass cap,

S 33
¼
S 4
1918

and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.

40.50 Wash, 30 lks. wide, 12 ft. deep, course N.

45.00 Ascend 300 ft., over NE. slope.

69.00 Prospect hole about 3 chs. S. of line.

69.50 Prospect hole about 1 ch. N. of line.

71.00 Prospect hole on line.

74.00 Prospect hole about 1 chain S. of line.

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, 32 and 33, marked on brass cap,

T3S R15E
S32 S33
S 5 S 4
T4S
1918

and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.

Land, rolling.

Soil, rocky, 4th rate, conglomerate formation.

No timber.

Undergrowth, dense catclaw, mesquite, coffee brush, scrub oak, ocotilla, greasewood and cacti.

Fair grass.

Survey of North bdy. of Township 4 South, Range 15 East. 27.

Chains.

S.89°52'W., on a true line, bet. secs.5 and 32.
 Over mountainous land, thru. dense undergrowth; ascend 80 ft., over NE. slope.
 12.00 Spur, slopes NE.; descend 75 ft., over NW. slope.
 19.80 Gulch, 30 lks. wide, course NE. Kelly Springs is located about 3 chs. up this gulch; ascend 95 ft., over NE. slope, to
 27.00 Head of draw, course NE.; ascend 165 ft., over NE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of secs. 5 and 32, marked on brass cap,

S 32
 $\frac{1}{4}$ ———
 S 5
 1918

from which,
 A cedar, 10 ins. in diam., brs. S.78°W., 124 lks. dist., marked " $\frac{1}{4}$ S 5 BT."

No other tree available.
 Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Ascend 135 ft., over NE. slope, to
 55.80 Head of draw, course NE.; ascend 530 ft., over NE. slope.
 73.00 Top of main ridge of the Mescal Mountains, bears NW. and SE.
 Descend 145 ft., over SW. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 5, 6, 31 and 32, marked on brass cap,

T3S, R15E
 S31 | S32
 ———
 S 6 S 5
 T4S
 1918

and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 Timber, scattering cedar.
 Undergrowth, dense catclaw, mesquite, mezcal, coffee brush, scrub oak and cacti.
 Fair grass.

S.89°52'W., on a true line, bet. secs.6 and 31.
 Over mountainous land, thru. dense undergrowth; descend 325 ft., over SW. slope.
 25.00 Low pass in main ridge of Mescal Mountains, brs. N. about 10 chs. dist.
 27.70 Gulch, 15 lks. wide, course SW.; ascend 170 ft., over SE. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, to bedrock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor. of secs. 6 and 31, marked on brass cap,

S 31
 $\frac{1}{4}$ ———
 S 6
 1918

and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Ascend 10 ft., over SE. slope.
 41.70 Spur, slopes SE.; descend 50 ft., over SW. slope.
 45.15 Head of draw, course SE.; ascend 210 ft., over SE. slope.
 57.70 Ridge, brs. NE. and SW.; descend 450 ft., over NW. slope.
 72.70 Gulch, 30 lks. wide, course SW.; ascend 240 ft., over SE. slope, to
 79.68 The cor. of Ts. 3 and 4 S., R. 15 E., hereinbefore described.

28 Survey of the North bdy. of Township 4 South, Range 15 East.

Chains.

Land, mountainous.

Soil, rocky, 4th rate, lime formation.

Timber, scattering cedar.

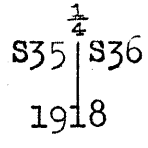
Undergrowth, dense catclaw, mesquite, coffee brush, scrub oak, ocotilla, mezcal and cacti.

Fair grass.

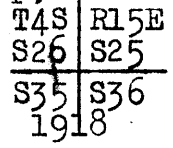
Survey of Subdivision lines of Township 4 South, Range 15 East. 29

Chains.

From the reestablished cor. of secs. 35 and 36, on the S. bdy. of the Tp., hereinbefore described,
 N.0° 01' W., bet. secs. 35 and 36.
 Over mountainous land, thru. dense undergrowth; descend 35 ft., over NE. slope.
 2.00 Draw, 10 lks. wide, course SE.; ascend 80 ft., over S. slope.
 5.20 Top of knoll; descend 70 ft., over N. slope.
 9.80 Foot of knoll; descend slightly over E. slope.
 18.70 Draw, 15 lks. wide, course NE.; ascend 55 ft., over SE. slope.
 24.30 Point of spur, slopes E.; descend 40 ft., over N. slope.
 26.00 Gulch, 30 lks. wide, course E.; ascend 300 ft. over SE. slope, to
 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,

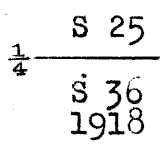


and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Ascend 155 ft., over SE. slope, to
 71.50 Top of ascent, brs. E. and W.; descend 200 ft., over NE. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 25, 26, 35 and 36, marked on brass cap,



and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 No timber.
 Undergrowth, dense coffee brush, palo verde, catclaw, Spanish dagger, ocotilla, greasewood and cacti.
 Poor grass.

40.00 East, on a random line, bet. secs. 25 and 36.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.77 Fall 7 lks. S. of the reestablished cor. of secs. 25, 30, 31 and 36, on E. bdy. of Tp., hereinbefore described.
 Thence,
 S.89° 57' W., on a true line, bet. secs. 25 and 36.
 Over mountainous land, thru. scattering undergrowth; descend 12 ft., over W. slope.
 1.00 Head of draw, course SW.; ascend 20 ft., over SE. slope.
 4.50 Ridge, brs. NE. and SW.; descend 25 ft., over NW. slope, to
 9.80 Wash, 12 lks. wide, course SW.; descend 65 ft., over S. slope, to
 19.80 Same wash, 15 lks. wide, course NW.; descend 45 ft., over N. slope, to
 24.80 Same wash, 30 lks. wide, course SW.; descend 20 ft., over S. slope, to
 32.00 Wash, 15 lks. wide, course SE.; ascend 30 ft., over NE. slope.
 34.70 Spur, slopes SE.; descend 30 ft., over SW. slope to
 39.88 $\frac{1}{2}$ 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,



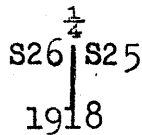
152

30. Subdivision lines of Township 4 South, Range 15 East.

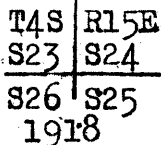
Chains.

and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.
 Descend 60 ft., over SW. slope, to
 48.50 Drain, 20 lks. wide, 3 ft. deep, course SW.; descend 135 ft. over SW. slope.
 67.40 Road, brs. N. and S.
 68.40 O'Carroll Canyon, 50 lks. wide, course SE.; ascend 50 ft., over S. slope, to
 71.00 Wash, 40 lks. wide, course SE.; ascend 75 ft., over NE. slope, to
 79.77 The cor. of secs. 25, 26, 35 and 36.
 Land, mountainous.
 Soil, rocky, 4th rate; lime formation.
 No timber.
 Undergrowth, scattering palo verde, catclaw, mesquite, coffee brush, ocotilla and cacti.
 Poor grass.

N. 0° 01' W., bet. secs. 25 and 26.
 Over mountainous land, thru scattering undergrowth; descend 45 ft., over NE. slope.
 2.10 Gulch, course E.; ascend 40 ft., over SE. slope, to
 14.00 Drain, 15 lks. wide, 3 ft. deep, course SE.; ascend 55 ft. over SE. slope, to
 24.00 Spur, slopes E.; descend 25 ft., over N. slope.
 27.40 O'Carroll Canyon, with wash in bottom, 15 lks. wide, course SE.; ascend 150 ft., over broken SW. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bedrock, supported by a mound of stone, for ¼ sec. cor., marked on brass cap,



and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.
 Ascend 360 ft., over SW. slope.
 48.40 Road, brs. NW. and SE.
 61.90 Same road, brs. NE. and SW.
 66.80 Same road, brs. NW. and SE.
 71.10 Spur slopes SW.; descend 60 ft., over NW. slope.
 74.75 Same road, brs. NE. and SW.
 78.50 Head of draw, course SW.; ascend 15 ft., over S. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground, to bed rock, supported by a mound of stone, for the cor. of secs. 23, 24, 25 and 26, marked on brass cap,



and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 No timber.
 Undergrowth, scattering catclaw, ocotilla, palo verde, coffee brush and cacti.
 Poor grass.

N. 89° 57' E., on a random line, bet. secs. 24 and 25.
 40.00 Set temp. ¼ sec. cor.
 79.72 Fall 26 lks. N. of the cor. of secs. 19, 24, 25 and 30, on E. bdy. of Tp., hereinbefore described.

Subdivision lines of Township 4 South, Range 15 East.

Chains.

Thence,
 N.89°52'W., on a true line, bet. secs.24 and 25.
 Over mountainous land, thru.scattering undergrowth;ascend
 115 ft.,over NE.slope, to
 14.90 Drain, 10 lks.wide, 3 ft. deep, course NE.; ascend 30 ft.
 over NE.slope, to
 17.20 Spur, slopes N.; descend 30 ft.,over NW.slope, to
 20.00 Ascend 30 ft.,over NE. slope, to
 25.00 Spur, slopes NW.; descend 210 ft.,over NW.slope.
 29.55 Trail, brs.NE. and SW.
 32.00 Gulch, 30 lks.wide, course NW.; ascend 50 ft.,over E.
 slope.
 34.00 Top of ascent, brs.NE. and SW.; descend 30 ft.,over NW.
 slope, to
 39.86 Set an iron post, 3.ft.long, 1 in. in diam., 20 ins. in
 the ground, to bed rock, supported by a mound of stone,
 for $\frac{1}{4}$ sec.cor., marked.on brass cap,

S 24
 $\frac{1}{4}$ ———
 S 25
 1918

and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
 N.of cor.
 Descend 10 ft.,over NW.slope, to
 41.20 Head of draw, course NE.; ascend 125 ft.,over broken NE.
 slope.
 54.70 Top of main ridge of Mescal Mountains, brs.N.60°W. and S.
 60°E.; trail on same, brs.NW. and SE.
 Descend 100 ft. over SW. slope.
 65.00 Head of draw, course S.; ascend 100 ft.,over E.slope.
 71.50 Spur, slopes S.; descend 100 ft. over SW.slope.
 76.50 Road, brs.N. and S.
 78.00 Descend 20 ft., over S.slope, to
 79.72 The cor.of secs.23,24,25 and 26.
 Land, mountainous.
 Soil,rocky,4th rate, lime formation.
 No tiiber.
 Undergrowth, scattering catclaw, palo verde, coffee brush,
 mezcal, scrub oak and cacti.
 Poor grass.

 N.0°01'W., bet. secs.23 and 24.
 Over mountainous land, thru.dense undergrowth; ascend
 100 ft. over S.slope.
 13.00 Top of main ridge of Mescal Mountains, brs.NW. and SE,
 Descend 55 ft.,over broken NE.slope.
 16.50 Road, brs.NW. and SE.
 25.50 Drain,15 lks.wide, 2 ft. deep,course NE.; descend 135 ft.
 over NE.slope, to
 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,

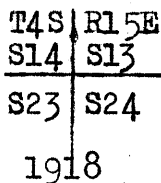
$\frac{1}{4}$
 S23 | S24
 1918

and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
 W.of cor.
 40.10 Drain,8 lks.wide,2 ft. deep,course NE.; ascend 70 ft.,
 over NE.slope, to
 49.80 Drain,30 lks.wide,8 ft. deep,course NE.; ascend 175 ft.,
 over SE.slope.
 57.75 Spur, slopes NE.; descend 300 ft.,over NW.slope.
 67.80 Draw, 20 lks.wide,course NE.;ascend 40 ft.,over SE.slope.
 75.00 Spur, slopes NE.;descend 50 ft.,over N.slope, to
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam.,12 ins.in

32 Subdivision of Township 4 South, Range 15 East.

Chains.

the ground, to bed rock, supported by a mound of stone, for the cor. of secs. 13, 14, 23 and 24, marked on brass cap,



and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.

Land, mountainous.

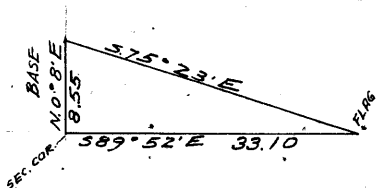
Soil, rocky, 4th rate, lime formation.

Timber, very scattering cedar.

Undergrowth, dense catclaw, scrub oak, coffee brush, mezcal, palo verde and cacti.

Fair grass.

S. 89° 52' E., on a random line, bet. secs. 13 and 24. Triangulate across broken, rocky cliffy canyon.



Measure a base N. 0° 08' E., 8.55 chs.

Set flag ahead on random line. From N. end of base, flag brs. S. 75° 23' E.

Included angles are 75° 31', 14° 29' and 90° 00', the sum of which is 180° 00'.

Dist. triangulated is obtained by tang. 75° 31' x base, or 3.87136 x 8.55 chs. =

33.10 Flag point of above described triangulation on ridge, brs. N. and S. Continue line and measurement by chaining.

40.00 Set temp. ¼ sec. cor.

46.60 To avoid impassable cliffs, traverse in sec. 24, as follows:

S. 21° 45' E., 5.88 chs.; thence

N. 43° 45' E., 7.53 chs., returning to random line at

53.99 Thence on random line, continuing measurement by chaining.

79.73 Fall 23 lks. N. of the cor. of secs. 13, 18, 19 and 24, on E. bdy. of Tp., hereinbefore described.

Thence,

N. 89° 42' W., on a true line, bet. secs. 13 and 24.

Over mountainous land, thru. dense undergrowth; ascend 140 ft., over NE. slope, to

7.00 Ridge, brs. NE. and SW.; ascend 30 ft., over N. slope, to

15.00 Point of spur, slopes N.; descend 115 ft., over NW. slope, to

19.00 Head of draw, course NE.; ascend 170 ft., over E. slope, to

25.50 Spur, slopes NE.

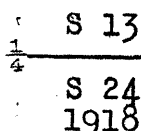
25.74 E. end of traverse, hereinbefore described. Cliff brs. NE. and SW., facing NW., 100 ft. high; descend 150 ft., over NW. slope.

29.00 (Approximate) Canyon, course NE.; ascend 50 ft., over SE. slope, to

33.13 W. end of traverse, hereinbefore described; ascend 50 ft., over SE. slope, to

38.00 Ascend 30 ft., over E. slope, to

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

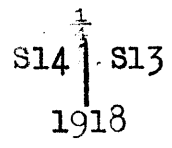


and raise a mound of stone, 2½ ft. base, 1½ ft. high,

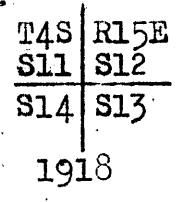
Chains.

N. of cor.
 46.63 Ascend 105 ft., over E. slope, to Flag point of triangulation, hereinbefore described. Ridge brs. NE. and SW.; descend 300 ft., over W. slope. Measurement W. to sec. cor. obtained by triangulation, hereinbefore described.
 71.00 (Approximate) Gulch, course N.; ascend 35 ft., over NE. slope, to
 73.00 (Approximate) Ascend 115 ft., over N. slope, to
 79.73 The cor. of secs. 13, 14, 23 and 24.
 Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 Timber, very scattering cedar.
 Undergrowth, dense catclaw, mesquite, ocotilla, coffee brush, palo verde and cacti.
 Fair grass.

N. 0° 01' W., bet. secs. 13 and 14.
 Over mountainous land, thru dense undergrowth; descend 60 ft., over N. slope.
 2.50 Canyon, course E.; ascend 80 ft., over S. slope.
 8.55 Spur, slopes E.; descend 270 ft., over broken E. slope, to
 20.00 Spur, slopes NE.; descend 150 ft., over NW. slope.
 25.35 Gulch, 30 lks. wide, course NE.; ascend 40 ft., over SE. slope.
 29.50 Top of ascent; brs. E. and W.; descend 200 ft., over NE. slope.
 38.40 Gulch, 45 lks. wide, course NE.; ascend 20 ft., over SE. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Ascend 170 ft., over SE. slope.
 53.00 Ridge, brs. NE. and SW.; descend 410 ft., over NW. slope.
 75.00 Spring about 1 ch. west of line.
 76.20 Gulch, 25 lks. wide, course NE.; ascend 70 ft., over SE. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, to bed rock, supported by a mound of stone, for the cor. of secs. 11, 12, 13 and 14, marked on brass cap,



and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate, lime and conglomerate formation.
 No timber.
 Undergrowth, dense catclaw, mesquite, palo verde, coffee brush, greasewood, ocotilla and cacti.
 Fair grass.

S. 89° 42' E., on a random line, bet. secs. 12 and 13.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.82 Fall 3 lks. S. of the reestablished cor. of secs. 12 and 13, on E. bdy. of Tp., hereinbefore described.

34 Subdivision lines of Township 4 South, Range 15 East.

Chains.

Thence,
 N.89°43'W., on a true line, bet. secs.12 and 13.
 Over rolling land, thru.dense undergrowth; ascend 185 ft.,
 over SE.slope.
 16.00 Ridge, brs.NE. and SW.; descend 150 ft., over NW.slope.
 24.50 Pipe line, brs.NE. and SW.
 27.00 Gulch, 45 lks.wide, course NE.; ascend 110 ft.,over SE.
 slope.
 32.00 Spur,slopes NE.; descend 30 ft.,over NW.slope.
 35.00 Foot of descent, brs.NE. and SW.; ascend 75 ft.,over E.
 slope,to
 39.91 Set an iron post 3 ft.long, 1 in. in diam., 18 ins. in
 the ground, to bed rock, supported by a mound of
 stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,

S 12
 $\frac{1}{4}$ —————
 S 13
 1918

and raise a mound of stone, 2½ ft. base, 1½ ft. high,
 N.of cor.
 Ascend 50 ft.,over SE.slope.
 42.50 Spur,slopes NE.; descend 50 ft.,over NW.slope.
 47.80 Draw, 25 lks.wide, course NE.; ascend 150 ft.,over SE.
 slope.
 60.20 Ridge, brs.NE. and SW.; descend 135 ft.,over NW.slope.
 64.65 Draw, 30 lks.wide, course N.; ascend 90 ft.,over E.slope.
 69.80 Point of spur, slopes N.; descend 100 ft.,over NW.slope.
 72.00 Draw, 20 lks.wide, course NE.; ascend 100 ft.,over SE.
 slope.
 74.30 Ridge, brs.NE. and SW.; descend 130 ft.,over NW.slope.
 78.00 Gulch,25 lks.wide, course NE.; ascend 80 ft.,over SE.
 slope,to
 79.82 The cor.of secs.11,12,13 and 14.
 Land, rolling.
 Soil,gravelly, 3rd and 4th rate, conglomerate formation.
 No timber.
 Undergrowth,dense palo verde, catclaw, mesquite,ocotilla,
 coffee brush, Spanish dagger and cacti.
 Fair grass.

 N.0°01'W., bet. secs.11 and 12.
 Over rolling land, thru. dense undergrowth; ascend 50 ft.,
 over SE.slope.
 18.00 Ridge, brs.NE. and SW.; descend 120 ft., over NW.slope,to
 22.70 Wash,20 lks.wide, course NE.; descend 55 ft.,over NE.
 slope,to
 32.20 Same wash, 20 lks.wide, 6 ft. deep,course NW.; ascend 15
 ft.,over W.slope,to
 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,

S11 | S12
 $\frac{1}{4}$ |
 1918

and raise a mound of stone, 2½ ft. base, 1½ ft. high,
 W.of cor.
 Descend 195 ft.,over W.slope,to
 65.90 Wash,30 lks.wide, 4 ft. deep,course N.,from SW.; descend
 45 ft.,in wash.
 75.00 Leave wash, course NW. from S.; descend 20 ft.,over W.
 slope,to
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam.,20 ins. in
 the ground, to bed rock, supported by a mound of
 stone, for the cor.of secs.1,2,11 and 12, marked on

Subdivision lines of Township 4 South, Range 15 East. 35

Chains.

brass cap,

T4S	R15E
S 2	S 1
S11	S12
1918	

and raise a mound of stone, 2½ ft. base, 1½ ft. high,
W. of cor.
Land, rolling.
Soil, gravelly, 2nd to 4th rate, conglomerate formation.
No timber.
Undergrowth, dense catclaw, mesquite, palo verde, ocotilla,
coffee brush, greasewood and cacti.
Fair grass.

40.00 S. 89° 43' E., on a random line, bet. secs. 1 and 12.
Set temp. ¼ sec. cor.
79.82 Fall 16 lks. S. of the reestablished cor. of secs. 1 and 12,
on E. bdy. of Tp., hereinbefore described.
Thence,
N. 89° 49' W., on a true line, bet. secs. 1 and 12.
Over level land, in Dripping Springs Valley, brs. NW. and
SE., thru. dense undergrowth.
20.00 Dripping Springs Wash, 150 lks. wide, 3 ft. deep, course
SE.
A vacant house, brs. N. 15 chs. dist.
32.00 Road brs. NW. to Globe and SE. to Christmas.
34.70 Wash, 20 lks. wide, 8 ft. deep, course SE.
39.91 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for ¼ sec. cor., marked on brass cap,

¼	S 1
	S 12
1918	

and raise a mound of stone, 2½ ft. base, 1½ ft. high,
N. of cor.
45.00 Wash, 150 lks. wide, 1 ft. deep, course N.
50.00 Leave Dripping Springs Valley, brs. NW. and SE. Enter
rolling land; ascend 100 ft., over NE. slope.
55.00 Point of spur, slopes NE.; descend 35 ft., over N. slope.
60.00 Foot of descent, brs. N. and S.; ascend 190 ft., over NE.
slope.
70.00 Spur, slopes NW.; descend 150 ft., over W. slope, to
79.82 The cor. of secs. 1, 2, 11 and 12.
Land, level and rolling.
Soil, sandy loam, 2nd rate; gravelly, 3rd and 4th rate,
alluvial and conglomerate formation.
No timber.
Undergrowth, dense catclaw, mesquite, coffee brush, yucca
palm, ocotilla, greasewood and cacti.
Fair grass.

40.00 N. 0° 01' W., on a random line, bet. secs. 1 and 2.
Set temp. ¼ sec. cor.
80.98 Fall 23 lks. E. of the cor. of secs. 1, 2, 35 and 36, on N. bdy.
of Tp., hereinbefore described.
Thence,
S. 0° 11' E., on a true line, bet. secs. 1 and 2.
Over rolling land, thru. dense undergrowth; ascend slight-
ly to
2.00 Ascend 80 ft., over NE. slope, to
6.00 Spur, slopes SE.; descend 100 ft., over SW. slope.
15.65 Drain, 15 lks. wide, 3 ft. deep, course SE.; ascend 75 ft.,
over NE. slope.
24.00 Spur, slopes SE.; descend 90 ft., over S. slope.

36 Subdivision of Township 4 South, Range 14 East.

Chains.

- 24.20 Vacant house brs.W. about 34 chs.dist.; cement tank brs. S.44° W., about 26 chs.dist.
- 28.00 Enter Dripping Springs Valley, brs.E. and W.; leave rolling and enter level land.
- 36.00 North channel of Dripping Springs Wash, 150 lks.wide, 3 ft. deep, course E.
- 40.98 Set an iron post 3 ft.long, 1 in. in diam., 20 ins. in the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$
 S 2 | S 1
 1918

- and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W.of cor.
- 45.25 South channel of Dripping Springs Wash, 75 lks.wide, 3 ft. deep, course E.
- 50.60 Road brs.NW. to Globe and SE.to Christmas.
- 58.00 Leave Dripping Springs Valley, brs.NW. and SE. Leave level and enter rolling land; ascend 30 ft., over NE.slope, to
- 62.30 End of ridge, from SW., sloping NE.; descend 25 ft., over E.slope, to
- 69.00 Descend 10 ft., over SE.slope, to
- 69.75 Wash, 60 lks.wide, 3 ft. deep, course NE.; ascend 75 ft., over W.slope, to
- 80.98 The cor.of secs.1, 2, 11 and 12.
Land, rolling and level.
Soil, sandy loam, 2nd rate in Valley; gravelly, alluvial and conglomerate formation, 3rd and 4th rate on rolling land.
No timber.
Undergrowth, dense catclaw, mesquite, yucca palm, ocotilla, coffee brush, greasewood, palo verde and cacti.
Fair grass.

-
- From the reestablished cor.of secs. 34 and 35, on the S. bdy.of the Tp., hereinbefore described, N.0°01'W., bet. secs.34 and 35.
Over mountainous land, thru.scattering undergrowth; desc. 25 ft., over NW.slope.
 - 2.00 Drain, 15 lks.wide, 4 ft. deep, course W. from NE.; ascend 115 ft. over SE.slope, to
 - 12.00 Ascend 395 ft., over broken W.slope of ridge, bearing N, and S., near top of same.
 - 30.20 Top of ridge, bearing N. and S.; ascend 120 ft., over E. slope of ridge, near top, to
 - 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 20 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$
 S34 | S35
 1918

- and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
- Ascend 100 ft., along E.slope of ridge, near top of same.
- 46.60 Top of same ridge brs.NE. and S.; descend 50 ft., over broken NW.slope, to
- 55.30 Canyon, course SW.; ascend 30 ft., over E.slope, to
- 61.60 Same canyon, course SE.; ascend 310 ft., over broken SW. slope, to
- 77.10 Spur, slopes W.; descend 75 ft., over NW.slope, 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,

Subdivision lines of Township 4 South, Range 15 East.

Chains.

T4S	R15E
S27	S26
S34	S35

1918

and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.
Land, mountainous.
Soil, rocky, 4th rate, lime formation.
No timber.
Undergrowth, scattering palo verde, catclaw, ocotilla, coffee brush, greasewood and cacti.
Poor grass.

- 40.00 East, on a random line, bet. secs. 26 and 35.
- 79.96 Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Fall 3 lks. N. of the cor. of secs. 25, 26, 35 and 36.
- Thence,
- N. $89^{\circ}59'$ W., on a true line, bet. secs. 26 and 35.
- Over mountainous land, thru. scattering undergrowth; desc. 15 ft., over N. slope, to
- 3.20 Drain, 15 lks. wide, 4 ft. deep, course N. 60° E.; ascend 650 ft., over NE. slope.
- 34.45 Ridge, brs. NW. and SE.; descend 160 ft., over SW. slope.
- 38.80 Drain, 15 lks. wide, 2 ft. deep, course SW.; ascend 0 ft. over SE. slope, to
- 39.98 Set an iron post 3 ft. long, 1 in. in diam., 22 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S 26

S 35
1918

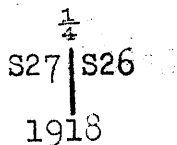
- and raise a mound of stone; $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
N. of cor.
- Ascend 45 ft., over SE. slope.
- 48.20 Spur, slopes SW.; descend 225 ft. over SW. slope.
- 59.80 Gulch, 15 lks. wide, course SW.; ascend 70 ft., over SE. slope.
- 66.40 Spur, slopes SW.; descend 200 ft., over NW. slope, to
- 77.50 Draw, 30 lks. wide, course NW. from NE.; descend 30 ft., over N. slope, to
- 79.96 The cor. of secs. 26, 27, 34 and 35.
- Land, mountainous.
- Soil, rocky, 4th rate, lime formation.
- No timber.
- Undergrowth, scattering catclaw, Spanish dagger, ocotilla, palo verde and cacti.
- Poor grass.

- N. $0^{\circ}01'$ W., bet. secs. 26 and 27.
- Over mountainous land; thru. scattering undergrowth; descend 25 ft., over NW. slope.
- .75 Gulch, 30 lks. wide, course SW.; ascend 65 ft., over SW. slope.
- 2.80 Spur; slopes SW.; descend 15 ft., over NW. slope.
- 4.00 Gulch, 15 lks. wide, course SW.; ascend 90 ft., over broken E. slope, to
- 12.60 Drain, 10 lks. wide, 6 ft. deep, course SE.; ascend 400 ft. over broken SE. slope.
- 28.00 Ridge, brs. E. and W.; descend slightly, over W. slope, to
- 38.00 Spur, slopes NW.; descend 60 ft., over NE. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., on bed rock,

38 Subdivision lines of Township 4 South, Range 15 East.

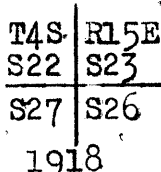
Chains.

supported by a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,



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

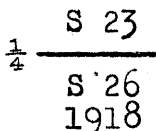
- 58.00 Descend 470 ft., over NE. slope. Gulch, 20 lks. wide, course W.; ascend 170 ft., over S. slope.
- 63.25 Spur, slopes W.; descend 315 ft., over N. slope, to
- 75.00 Drain, 15 lks. wide, 12 ft. deep, course W.; descend 50 ft., over NW. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 22, 23, 26 and 27, marked on brass cap,



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

Land, mountainous.
Soil, rocky, 4th rate, conglomerate formation.
No timber.
Undergrowth, scattering palo verde, catclaw, live oak, coffee brush, ocotilla and cacti.
Fair grass.

- 40.00 S $89^{\circ}59'E.$, on a random line, bet. secs. 23 and 26. Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Fall 37 lks. S. of the cor. of secs. 23, 24, 25 and 26. Thence, S. $89^{\circ}45'W.$, on a true line, bet. secs. 23 and 26. Over mountainous land, thru. scattering undergrowth; asc. 70 ft., over S. slope.
- 15.00 Spur, slopes SW.; descend 175 ft., over NW. slope.
- 33.00 Gulch, 15 lks. wide, course S.; ascend 150 ft., over SE. slope, to
- 40.01 Set an iron post, 3 ft. long, 1 in. in diam., 13 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



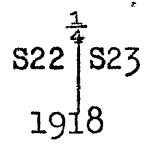
and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

- 48.35 Ascend 90 ft., over E. slope.
 - 56.80 Ridge, brs. N. and S. $10^{\circ}W.$; descend 210 ft., over NW. slope.
 - 60.60 Wash, 15 lks. wide, course NW.; ascend 25 ft., over NE. slope.
 - 80.02 Spur, slopes N. $10^{\circ}W.$; descend 400 ft., over NW. slope, to The cor. of secs. 22, 23, 26 and 27.
- Land, mountainous.
Soil, rocky, 4th rate, lime formation.
No timber.
Undergrowth, scattering palo verde, catclaw, coffee brush, live oak and cacti.
Poor grass.

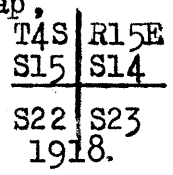
Subdivision lines of Township 4 South, Range 15 East. 39

Chains.

- N.0°01' W., bet. secs.22 and 23.
- Over mountainous land, thru. scattering undergrowth; descend 25 ft., over NW.slope.
- 6.20 Bottom of canyon, 20 lks.wide, course SW.; ascend 475 ft., over broken S.slope, to
- 22.00 Ascend 110 ft., over SW.slope, to
- 29.00 Spur, slopes S.10°E.; ascend 100 ft. along E.slope of same spur, near top to
- 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,

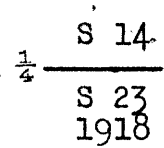


- and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
- 49.80 Ascend 110 ft., over SE. slope.
- 49.80 Ridge, brs. NE. and SW.; descend 60 ft., over broken NW. slope.
- 60.00 Head of canyon, course SW.; ascend 320 ft., over broken S. slope.
- 76.60 Top of main ridge of Mescal Mountains, brs. NW. and SE.; descend 40 ft., over NW. slope, to
- 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,



and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 No timber.
 Undergrowth, scattering palo verde, catclaw, ocotilla, scrub oak, coffee brush and cacti.
 Fair grass.

- 40.00 N.89°45'E., on a random line, bet. secs. 14 and 23.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.90 Fall 12 lks. N. of the cor. of secs. 13, 14, 23 and 24. Thence,
- 7.25 S.89°50'W., on a true line, bet. secs. 14 and 23.
- 11.70 Over mountainous land, thru. dense undergrowth; ascend 100 ft., over N. slope, to
- 11.70 Drain, 15 lks. wide, 2 ft. deep, course NE.; ascend 60 ft., over SE. slope.
- 17.00 Spur, slopes NE.; descend 100 ft., over NW. slope.
- 17.00 Drain, 30 lks. wide, 4 ft. deep, course NE.; ascend 100 ft., over SE. slope.
- 23.80 Spur, slopes NE.; descend 260 ft., over NW. slope.
- 32.70 Bottom of canyon, 30 lks. wide, course N.30°E.; ascend 215 ft., over NE. slope, to
- 39.95 Set an iron post 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



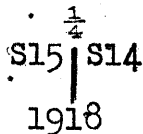
and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

40 Subdivision lines of Township 4 South, Range 15 East.

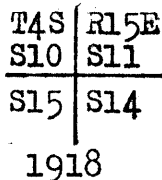
Chains.

46.80 Ascend 230 ft., over NE.slope.
 Top of ascent, brs.NE. and SW.; descend 100 ft.,over NW.
 slope.
 54.00 Gulch, course NE.; ascend 200 ft., over SE.slope.
 76.80 Ridge, brs.NE. and SW.; descend 25 ft.,over NW.slope,to
 79.90 The cor.of secs.14,15,22 and 23.
 Land,mountainous.
 Soil,rocky, 4th rate, lime formation.
 Timber, very scattering cedar.
 Undergrowth, dense catclaw, scrub oak, coffee brush,palo
 verde and catclaw.
 Fair grass.

 N.0° 01' W., bet. secs. 14 and 15.
 Over mountainous land, thru.dense undergrowth; descend 315
 ft., over NW.slope,to
 14.15 Top of cliff, 25 ft.high, brs.NE. and SW., facing NW.;from
 ft.of cliff, descend 310 ft.,over NW.slope,to
 23.75 Drain,30 lks.wide, 6 ft. deep,course NE.; descend 110 ft.,
 over E.slope,to
 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,



and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
 W.of cor.
 43.40 Descend 30 ft., over E.slope,to
 Draw, 45 lks.wide, course E.; ascend 50 ft., over SW.
 slope.
 55.00 Ridge, brs.NE. and SW.; descend 220 ft., over NW.slope,to
 80.00 Set an iron post 3 ft.long, 2 ins. in diam.,18 ins.in
 the ground, to bed rock, supported by a mound of stone
 for the cor.of secs.10,11,14 and 15, marked on brass
 cap,



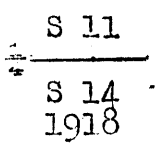
and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
 W.of cor.
 Land,mountainous.
 Soil,rocky, 4th rate, conglomerate formation.
 Timber, very scattering cedar.
 Undergrowth, dense catclaw, scrub oak, coffee brush, yucca
 palm, mezcal and cacti.
 Fair grass.

 N.89°50'E., on a random line, bet. secs.11 and 14.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.74 Fall 14 lks.N. of the cor. of secs.11,12, 13 and 14.
 Thence,
 S.89°50'W., on a true line, bet. secs.11 and 14.
 Over mountainous land, thru. dense undergrowth; ascend
 140 ft.,over SE.slope.
 6.00 Ridge, brs.NE. and SW.; descend 75 ft., over NW.slope.
 10.00 Drain,15 lks.wide, 4 ft. deep,course NE.;ascend 310 ft.,
 over SE.slope.
 26.00 Spur,slopes NE.; descend 30 ft.,over NW.slope.
 31.00 Draw, course NE.; ascend 90 ft.,over SE.slope.
 35.00 Spur,slopes NE.;descend 95 ft.,over NW.slope,to
 39.87 Set an iron post, 3 ft.long, 1 in. in diam.,20 ins.in

Subdivision lines of Township 4 South, Range 15 East. 41.

Chains.

the ground, to bed rock, supported by a mound of stone, for 1/4 sec. cor., marked on brass cap,



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

- Descend 65 ft., over W. slope.
- 42.60 Drain, 25 lks. wide, 15 ft. deep, course N.; ascend 300 ft., over E. slope.
- 56.75 Ridge, brs. NE. and SW.; descend 60 ft., over NW. slope.
- 60.00 Foot of descent, brs. NE. and SW.; ascend 125 ft., over E. slope.
- 70.10 Spur, slopes NE.; descend 130 ft., over NW. slope, to
- 79.74 The cor. of secs. 10, 11, 14 and 15.
Land, mountainous.
Soil, rocky, 4th rate, conglomerate formation.
No timber.
Undergrowth, dense palo verde, greasewood, ocotilla, mezcal, catclaw, mesquite, scrub oak, coffee brush, cacti, yucca palm and Spanish dagger.
Fair grass.

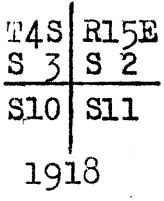
N. 0° 01' W., bet. secs. 10 and 11. Over mountainous land, thru. dense undergrowth; descend 220 ft., over NW. slope.

- 9.20 Gulch, course NE.; ascend 260 ft., over broken SE. slope.
- 20.00 Spur, slopes NE.; descend 250 ft., over N. slope, to
- 40.00 Head of draw, course NE. Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground, to bed rock, supported by a mound of stone, for 1/4 sec. cor., marked on brass cap,



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

- Descend 95 ft., over E. slope, to
- 49.00 Spur, slopes NE.; descend 400 ft., over NW. slope.
- 70.50 Wash, 30 lks. wide, 5 ft. deep, course NE.; ascend 30 ft., over SE. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, to bed rock, supported by a mound of stone, for the cor. of secs. 2, 3, 10 and 11, marked on brass cap,



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

Land, mountainous.
Soil, rocky, 4th rate, conglomerate formation.
No timber.
Undergrowth, dense catclaw, mesquite, palo verde, coffee brush, live oak, ocotilla and cacti.
Fair grass.

42 Subdivision lines of Township 4 South, Range 15 East.

Chains.

40.00 N.89°56'E., on a random line, bet. secs.2 and 11.
 Set temp. $\frac{1}{4}$ sec.cor.
 79.80 Fall 30 lks.N.of the cor.of secs.1,2,11 and 12.
 Thence,
 N.89°51'W., on a true line, bet. secs.2 and 11.
 Over rolling land, thru.dense undergrowth; descend 15 ft.,
 over W.slope.
 1.00 Wash, 150 lks.wide, 1 ft.deep, course N.; ascend 45 ft., over
 E.slope, to
 7.00 Point of spur, slopes NE.; descend 6 ft., over N.slope, to
 15.00 Ascend 165 ft., over E.slope.
 23.00 Spur, slopes NE.; ascend 15 ft., over rolling N.slope to $\frac{1}{4}$
 sec.cor.
 38.25 Pipe line, brs.NE.and SW.
 39.90 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,

S 2
 $\frac{1}{4}$ -----
 S 11
 1918

and raise a mound of stone 2 $\frac{1}{2}$ ft.base, 1 $\frac{1}{2}$ ft.high, N.of
 cor.
 Ascend slightly to
 40.60 Descend 50 ft., over W.slope.
 44.60 Wash, 60 lks.wide, 6 ft.deep, course N.; ascend 20 ft., over
 NE.slope, to
 49.50 Drain, 30 lks.wide, 6 ft. deep, course N.; ascend 50 ft.
 over E.slope, to
 50.30 Spur, slopes N.; descend 30 ft., over NW.slope.
 52.00 Draw, course NE.; ascend 160 ft., over SE.slope.
 63.80 Spur, slopes NE.; descend 80 ft., over NW.slope.
 74.60 Gulch, course NE.; ascend 125 ft., over SE.slope, to
 79.80 The cor.of secs.2,3,10 and 11.
 Land, rolling.
 Soil, gravelly, 3rd and 4th rate, conglomerate formation.
 No timber.
 Undergrowth, dense catclaw, mesquite, greasewood, coffee
 brush, palo verde, ocotilla and cacti.
 Fair grass.

 40.00 N.0°01' W. on a random line, bet. secs.2 and 3.
 Set temp. $\frac{1}{4}$ sec.cor.
 80.60 Fall 30 lks.E. of the cor.of secs.2,3,34 and 35, on N.bdy.
 of Tp.; hereinbefore described.
 Thence,
 S.0°14' E., on a true line, bet. secs.2 and 3.
 Over level land, in Dripping Springs Valley, brs.NW. and
 SE., thru.dense undergrowth.
 6.90 Road brs.NW. to Globe, and SE.to Christmas.
 9.00 Dripping Springs Wash, 200 lks.wide, 5 ft. deep, course SE.
 25.00 Leave level land of Dripping Springs Valley, brs.NW. and
 SE.; enter rolling land, and ascend 50 ft. over NE.
 slope.
 28.00 Spur, slopes NE.; descend 30 ft., over SE.slope.
 35.70 Wash, 25 lks.wide, 4 ft. deep, course NE.; ascend 55 ft.,
 over NW.slope, to
 40.60 Set an iron post, 3 ft.long, 1 in. in diam., 12 ins. in the
 ground, to bed rock, supported by a mound of stone,
 for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$
 S3 | S2
 1918

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

Subdivision lines of Township 4 South, Range 15 East. 43

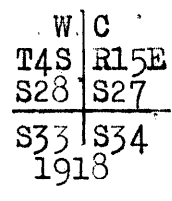
Chains.

Ascend 170 ft., over NW. slope.
 58.60 Spur, slopes NE.; descend 130 ft., over SE. slope.
 68.40 Drain, 15 lks. wide, 4 ft. deep, course NE.; ascend 150 ft. over NW. slope.
 78.60 Spur, slopes NE.; descend 20 ft., over SE. slope, to
 80.60 The cor. of secs. 2, 3, 10 and 11.
 Land, level and rolling.
 Soil, sandy loam, 2nd rate in Valley; gravelly, 3rd and 4th rate on rolling land; alluvial and conglomerate formation.
 No timber.
 Undergrowth, dense catclaw, mesquite, coffee brush, greasewood, yucca palm, palo verde and cacti.
 Fair grass.

From the reestablished cor. of secs. 33 and 34, on the S. bdy. of the Tp., hereinbefore described,
 N. 0° 02' W., bet. secs. 33 and 34.
 Over mountainous land, thru. scattering undergrowth; ascend 30 ft., over SW. slope, to
 2.00 Ascend 80 ft., over S. slope.
 6.60 Spur, slopes SW.; descend 90 ft., over NW. slope.
 15.80 Gulch, 75 lks. wide, course SW.; ascend 50 ft., over SE. slope.
 23.00 Ridge, brs. NE. and SW.; descend 20 ft., over NW. slope, to
 28.10 Wash, 100 lks. wide, 10 ft. deep, course SW. from N. Ascend 20 ft., in bottom of wash, to
 35.00 Leave same wash, course S. from NW.; ascend 40 ft., over W. slope, to
 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,



and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Ascend 15 ft., over W. slope.
 45.00 Same wash, 60 lks. wide, 10 ft. deep, course SW.; ascend 40 ft., over E. slope.
 45.40 Road brs. NE. and SW., in same wash.
 55.00 Same wash, 30 lks. wide, 8 ft. deep, course SE.; ascend 35 ft., over W. slope, to
 58.10 Same wash, 30 lks. wide, 8 ft. deep, course SW.; ascend 120 ft., over E. slope, to
 79.90 Set an iron post 3 ft. long, 2 ins. in diam., 20 ins. in the ground, to bed rock, supported by a mound of stone, for witness cor. to the cor. of secs. 27, 28, 33 and 34, marked on brass cap,



and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 80.00 True point for sec. cor. falls on slope of road grade, a place unsuitable for cor.
 Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 No timber.
 Undergrowth, scattering catclaw, palo verde, greasewood, sholla, coffee brush and cacti.
 Poor grass.

44. Subdivision lines of Township 4 South, Range 15 East.

Chains.	
	From the true point for cor. of secs. 27, 28, 33 and 34, N. 89° 44' E., on a random line, bet. secs. 27 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.84	Fall 23 lks. N. of the cor. of secs. 26, 27, 34 and 35.
	Thence, S. 89° 54' W., on a true line, bet. secs. 27 and 34.
	Over mountainous land, thru. scattering undergrowth; descend 40 ft., over NW. slope.
1.00	Gulch, 30 lks. wide, course S.; ascend 200 ft., over E. slope.
11.00	Ridge, brs. N. and S.; descend 220 ft., over broken W. slope, to
20.00	Top of cliffs, 100 ft. high, bearing NE. and SW., facing NW.
30.25	Foot of cliffs, bearing NE. and SW.; descend 215 ft., over NW. slope, to
37.00	Gulch, 115 lks. wide, course SW.; ascend 20 ft., over SE. slope.
38.50	Top of ascent, brs. N. and S.; descend 15 ft., over SW. slope, to
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,
	$\begin{array}{c} S\ 27 \\ \frac{1}{4} \\ \hline S\ 34 \\ 1918. \end{array}$
	and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	Descend 45 ft., over W. slope, to
45.70	Draw, 20 lks. wide, course S.; ascend 150 ft., over E. slope.
51.50	Ridge, brs. N. and S.; descend 60 ft., to
57.60	Ridge, brs. NE. and SW.; descend 200 ft., over NW. slope.
60.50	Wash, 20 lks. wide, 15 ft. deep, course S.; ascend 40 ft. over E. slope.
69.00	Spur, slopes S.; descend 75 ft., over W. slope.
71.90	Road in center of wash, brs. N. and S.; wash, 140 lks. wide, 20 ft. deep, course S.; ascend 70 ft., over E. slope, to
79.84	The true point for the cor. of secs. 27, 28, 33 and 34.
	Land, mountainous.
	Soil, rocky, 4th rate, lime formation.
	No timber.
	Undergrowth, scattering catclaw, palo verde, ocotilla, greasewood, coffee brush and cacti.
	Poor grass.

	From the true point for the cor. of secs. 27, 28, 33 and 34,
	N. 0° 02' W., bet. secs. 27 and 28.
	Over mountainous land, thru. dense undergrowth; ascend 130 ft., over E. slope.
.10	Road, brs. NE. and SW.
7.75	Point of spur, slopes E.; descend 60 ft., over NE. slope.
12.65	Drain, 15 lks. wide, 3 ft. deep, course SE.; ascend 55 ft. over SE. slope, to
20.00	Drain, 15 lks. wide, 3 ft. deep, course SE.; ascend 250 ft. over SE. slope, to
30.10	Ridge, brs. NE. and SW.; descend 130 ft., over NW. slope, to
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,
	$\begin{array}{c} S\ 28\ \ S\ 27 \\ \frac{1}{4} \\ \hline 1918 \end{array}$
	and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
	Descend 15 ft., over NW. slope, to
40.50	Drain, 15 lks. wide, 6 ft. deep, course SW.; ascend 190 ft., over S. slope.

Subdivision lines of Township 4 South, Range 15 East.

Chains.

45.90 Spur, slopes SW.; descend 80 ft., over NW. slope, to
 50.40 Bottom of canyon, 40 lks. wide, course SW. Thence in canyon;
 ascend slightly to
 52.70 Leave bottom of canyon, course SW. from NW.; ascend 230
 ft., over SW. slope.
 60.30 Spur, slopes SW.; descend 130 ft., over W. slope.
 69.50 Bottom of same canyon, 75 lks. wide, course SW.; ascend 135
 ft., over S. slope, to
 75.00 Ascend 120 ft., over SW. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 2 ins. in
 the ground, to bed rock, supported by a mound of stone,
 for the cor. of secs. 21, 22, 27 and 28, marked on brass
 cap,

T4S	R15E
S21	S22
S28	S27
1918	

and raise a mound of stone, 2½ ft. base, 1½ ft. high, W.
 of cor.
 Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 No timber.
 Undergrowth, dense greasewood, coffee brush, ocotilla,
 palo verde, catclaw and cacti.
 Poor grass.

40.00 N. 89° 54' E., on a random line, bet. secs. 22 and 27.
 Set temp. ¼ sec. cor.
 79.84 Fall 5 lks. S. of the cor. of secs. 22, 23, 26 and 27.
 Thence,
 S. 89° 52' W., on a true line, bet. secs. 22 and 27.
 Over mountainous land, thru. scattering undergrowth; de-
 scend 55 ft., over NW. slope.
 4.40 Bottom of canyon, 15 lks. wide, course SW. Houses of the
 London-Arizona Mining camp in this canyon, bear NE.
 and SW. from this point; ascend 55 ft., over SE. slope.
 4.60 Road, brs. NE. and SW.
 8.00 Point of spur, slopes SW.; descend 95 ft., over W. slope.
 13.10 Bottom of canyon, 75 lks. wide, course SW.; ascend 140 ft.,
 over SE. slope.
 14.45 Road, brs. N. and S.
 17.50 Spur, slopes SE.; descend SW. slope.
 21.00 Drain, 15 lks. wide, 3 ft. deep, course S., ascend 110 ft.
 over broken NE. slope.
 30.00 Spur, slopes SE.; descend 40 ft., over SW. slope.
 36.25 Drain, 30 lks. wide, 15 ft. deep, course SE.; ascend 170
 ft., over E. slope, to
 39.92 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in
 the ground, to bed rock, supported by a mound of
 stone, for ¼ sec. cor., marked on brass cap,

S 22
¼
S 27
1918

and raise a mound of stone, 2½ ft. base, 1½ ft. high,
 N. of cor.
 Ascend 160 ft., over E. slope, to
 44.00 Ascend 20 ft., over broken SE. slope, to
 52.60 Rocky ridge, brs. NE. and SW.; descend 440 ft., over NW.
 slope.
 66.40 Bottom of canyon, 25 lks. wide, course SW.; ascend 25 ft.,
 over S. slope.
 69.30 Point of spur, slopes S.; descend 25 ft., over S. slope.
 71.55 Bottom of canyon, 40 lks. wide, course S.; ascend 170 ft.,
 over NE. slope.

168

46 Subdivision lines of Township 4 South, Range 15 East.

Chains.

79.30 Spur, slopes SE.; descend 5 ft., over SW. slope, to
 79.84 The cor. of secs. 21, 22, 27 and 28.
 Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 No timber.
 Undergrowth, scattering palo verde, ocotilla, catclaw, coffee
 brush and cacti..
 Poor grass.

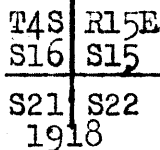
N. 0° 02' W., bet. secs. 21 and 22.
 Over mountainous land, thru, dense undergrowth; ascend 70
 ft. over SW. slope, to

3.20 Spur, slopes S. 20° E.; ascend 90 ft., over broken E. slope, to
 15.00 Spur, slopes SE.; descend 120 ft., over E. slope.
 34.70 Drain, 10 lks. wide, 3 ft. deep, course SE.; ascend 55 ft.,
 over E. slope, to
 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,



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

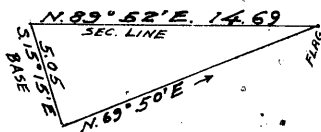
Ascend 50 ft., over E. slope, to
 49.00 Head of drain, course SE.; ascend 185 ft., over SE. slope,
 to
 60.00 Broken cliffs, 10 ft. high, bearing NE. and SW., facing SE.;
 ascend 180 ft., over SE. slope.
 72.00 Ridge, brs. NW. and SW.; descend 125 ft., over broken NE.
 slope, to
 80.00 Set an iron, 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground, for the cor. of secs. 15, 16, 21 and 22, marked
 on brass cap,



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

Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 Timber, very scattering cedar.
 Undergrowth, dense catclaw, palo verde, greasewood, oco-
 tilla, coffee brush, Spanish dagger and cacti.
 Fair grass.

40.00 N. 89° 52' E., on a random line, bet. secs. 15 and 22.
 Set temp. $\frac{1}{4}$ sec. cor. Discontinue chaining and triangulate,
 and triangulate as follows:



Measure a base S. 15° 15' E.,
 5.05 chs.
 Set flag ahead on random
 line.
 From S. end of base, flag
 brs. N. 69° 50' E.
 Included angles are 85° 05',
 74° 53', and 20° 02', the
 sum of which is 180° 00'.
 Dist. triangulated obtained
 by $\frac{\sin 85^\circ 05' \times \text{base}}{\sin 20^\circ 02'}$ or

$\frac{.99632 \times 5.05}{.34257} = 14.69 \text{ chs.}$

Subdivision lines of Township 4 South, Range 15 East.

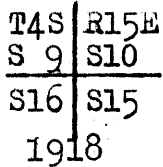
Chains.	
	which added to 40.00 chs. =
54.69	Flag point on ridge. Continue line and measurement by chaining.
79.90	Fall 12 lks.S. of the cor.of secs. 14,15,22 and 23. Thence, S.89°47'W., on a true line, bet. secs.15 and 22. Over mountainous land, thru. dense undergrowth; descend 15 ft.,over NW.slope.
4.00	Foot of descent, brs.N. and S.; ascend 50 ft.,over NE. slope.
10.00	Top of main ridge of Mescal Mountains; brs.W. and SE.; ascend 100 ft. on top of ridge.
22.00	Leave top of ridge, brs.NW. and E.; descend 40 ft.,over SW. slope, to
25.10	Spur, slopes S.; descend 300 ft., over broken W.slope, to
25.21	Flag point of triangulation, hereinbefore described. Thence by triangulated measurement.
37.80	Draw, 15 lks.wide, course SW.; ascend 20 ft.,over SE. slope, to
39.90	Triangulation point. Thence by chain measurement.
39.95	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,
	$\begin{array}{r} S\ 15 \\ \frac{1}{4} \\ \hline S\ 22 \\ 1918 \end{array}$
	and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N.of cor.
	Ascend 20 ft.,over SE.slope, to
43.50	Spur, slopes SW.; descend 340 ft. over broken SW.slope.
68.00	Gulch, 75 lks.wide, course S.20°E.; ascend 225 ft.,over NE.slope.
79.90	The cor.of secs.15,16,21 and 22. Land, mountainous. Soil, rocky, 4th rate, lime formation. Timber, very scattering cedar. Undergrowth, dense catclaw, palo verde, coffee brush, mezcal and cacti. Fair grass.

	N.0°02'W., bet. secs.15 and 16. Over mountainous land, thru. dense undergrowth; descend 40 ft.,over NE.slope.
.80	Gulch, course E.; ascend 75 ft., over SE.slope.
5.00	Top of ascent; descend 160 ft.,over E.slope.
19.50	Foot of descent, brs. E. and W.; ascend 35 ft.,over E.slope to
30.00	Gulch, 15 lks.wide, course SE.; ascend 100 ft.,over broken SW.slope, to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,
	$\begin{array}{r} \frac{1}{4} \\ S16\ \ S15 \\ 1918 \end{array}$
	and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W.of cor.
	Ascend 180 ft., over SW.slope.
52.00	Top of main ridge of Mescal Mountains, brs. NW. and SE.; descend 300 ft.,over N.slope.
70.50	Gulch, 15 lks.wide, course NE.; ascend 60 ft., over SE. slope, to
80.00	Spur, slopes NE. Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground, to bed rock, supported

48 Subdivision lines of Township 4 South, Range 15 East.

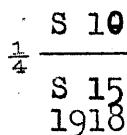
Chains.

by a mound of stone ^{for cor. of secs. 9, 10, 15 and 16} marked on brass cap,



and raise a mound of stone, 2½ ft. base, 1½ ft. high,
W. of cor.
Land, mountainous.
Soil, rocky, 4th rate, lime formation,
Timber, very scattering cedar.
Undergrowth dense catclaw, palo verde, mesquite, coffee
brush, scrub oak, ocotilla, mezcal and cacti.
Fair grass.

- 40.00 N. 89° 47' E., on a random line, bet. secs. 10 and 15.
- 79.80 Set temp. ¼ sec. cor.
Fall 12 lks. N. of the cor. of secs. 10, 11, 14 and 15.
Thence,
S. 89° 52' W., on a true line, bet. secs. 10 and 15.
Over mountainous land, thru. dense undergrowth; descend
95 ft., over NW. slope.
- 4.30 Gulch, 15 lks. wide, course N. 25° E.; ascend 50 ft., over
NE. slope.
- 10.00 Point of spur, slopes NE.; descend 30 ft., over NW. slope.
- 13.50 Gulch, 30 lks. wide, course NE.; ascend 310 ft., over SE.
slope.
- 29.00 Ridge, brs. NE. and SW.; descend 110 ft., over NW. slope,
to
- 39.90 Set an iron post 3 ft. long, 1 in. in diam., 16 ins. in
the ground, to bed rock, supported by a mound of stone
for ¼ sec. cor., marked on brass cap,



- and raise a mound of stone, 2½ ft. base, 1½ ft. high,
N. of cor.
Descend 6 ft., over NW. slope.
- 40.20 Gulch, 25 lks. wide, course NE. Spring in this gulch, brs.
NE. 450 lks. dist.; ascend 265 ft., over SE. slope.
- 54.60 Ridge, brs. NE. and SW.; descend 135 ft. over NW. slope, to
- 61.00 Wash, 10 lks. wide, course NW.; descend 50 ft., over N. slope,
to
- 71.00 Gulch, 20 lks. wide, course NE.; ascend 200 ft., over SE.
slope, to
- 79.80 The cor. of secs. 9, 10, 15 and 16.
Land, mountainous.
Soil, rocky, 4th rate, lime formation.
Timber, very scattering cedar.
Undergrowth, dense catclaw, coffee brush, scrub oak, oco-
tilla, yucca palm, mezcal, wild cherry and cacti.
Fair grass.

- N. 0° 02' W., bet. secs. 9 and 10;
- Over mountainous land, thru. dense undergrowth; descend
475 ft., over NW. slope, to
- 24.70 Top of cliff, about 100 ft. high, brs. NE. and SW., facing
NW.; descend 30 ft., over NW. slope from foot of cliffs.
- 28.00 Bottom of canyon, 75 lks. wide, course N. 20° E.; descend 50
ft., over broken E. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in

Chains.

the ground, to bed rock, supported by a mound of stone, for 1/4 sec.cor., marked on brass cap,

S 9 1/4 S10
1918

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

- 45.00 Descend 75 ft., over E. slope, to
- 54.50 Ascend 60 ft., over SE. slope.
- 62.00 Ridge, brs. NE. and SW.; descend 285 ft., over NW. slope to
- 71.60 Draw, 30 lks. wide, course NE.; descend 65 ft., over E. slope, to
- 80.00 Draw, 30 lks. wide, course E.; descend 90 ft., over SE. slope, to
- Set an iron post 3 ft. long, 2 ins. in diam., 10 ins. in the ground, to bed rock, supported by a mound of stone, for the cor. of secs. 3, 4, 9 and 10, marked on brass cap,

T4S R15E
S 4 S 3
S 9 S10
1918

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

Land, mountainous.
Soil, rocky, 4th rate, igneous formation.
Timber, very scattering cedar.
Undergrowth, dense catclaw, scrub oak, coffee brush, mesquite, yucca palm, ocotilla and cacti.
Fair grass.

- 40.00 N. 89° 52' E., on a random line, bet. secs. 3 and 10. Set temp. 1/4 sec. cor.
- 79.86 Fall 7 lks. N. of the cor. of secs. 2, 3, 10 and 11. Thence, S. 89° 55' W., on a true line, bet. secs. 3 and 10. Over mountainous land, thru. dense undergrowth; ascend 75 ft., over SE. slope.
- 7.00 Spur, slopes NE.; descend 25 ft., over N. slope.
- 11.00 Head of drain, course NE.; ascend 45 ft., over SE. slope.
- 17.00 Spur, slopes NE.; descend 110 ft., over NW. slope.
- 21.00 Drain, 20 lks. wide, 6 ft. deep, course NE.; ascend 70 ft. over E. slope.
- 25.00 Spur, slopes N.; descend 130 ft., over W. slope.
- 34.00 Drain, 15 lks. wide, 4 ft. deep, course N.; ascend 85 ft. over NE. slope, to
- 39.93 Set an iron post 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bed rock, supported by a mound of stone, for 1/4 sec. cor., marked on brass cap,

S 3
S 10
1918

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

- 43.00 Ascend 40 ft., over E. slope, to
- 50.00 Spur, slopes N.; descend 65 ft., over NW. slope.
- Gulch, 25 lks. wide, course N., with small stream of clear water in bottom.
- Spring brs. S. 3 chs. dist.; ascend 180 ft., over NE. slope.
- 62.00 Ridge, brs. NE. and SW.; descend 300 ft., over W. slope.

50 Subdivision lines of Township 4 South, Range 15 East.

Chains.

- 70.60 Gulch, 40 lks.wide, course N.; ascend 180 ft., over SE. slope, to
- 79.86 The cor. of secs. 3, 4, 9 and 10.
Land, mountainous.
Soil, rocky, 4th rate, conglomerate formation.
No timber.
Undergrowth, dense palo verde, catclaw, coffee brush, ocotilla, mesquite and cacti.
Fair grass.
-
- N.0°02'W., on a random line, bet. secs. 3 and 4.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.50 Fall 42 lks. E. of the cor. of secs. 3, 4, 33 and 34, on N. bdy. of Tp., hereinbefore described.
- Thence,
- S.0°19'E., on a true line, bet. secs. 3 and 4.
Over mountainous land, thru. dense undergrowth; ascend 30 ft., over E. slope, to
- 10.00 Top of ascent, brs. E. and W.; descend 30 ft., over SE. slope.
- 15.25 Drain, 30 lks.wide, 8 ft. deep, course NE.; ascend 200 ft., over NW. slope.
- 34.00 Spur, slopes NE.; descend 50 ft., over E. slope, to
- 40.50 Set an iron post 3 ft. long, 1 in. in diam., 12 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,
- S 4 $\frac{1}{4}$ S 3
1918
- and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.; ascend 70 ft., over NW. slope.
- 43.00 Spur, slopes NE.; descend 140 ft., over SE. slope.
- 54.00 Draw, course NE.; ascend 400 ft., over NW. slope.
- 68.50 Ridge, brs. NE. and SW.; descend 240 ft., over SE. slope, to
- 80.50 The cor. of secs. 3, 4, 9 and 10.
Land, mountainous.
Soil, rocky, 4th rate, conglomerate formation.
No timber.
Undergrowth, dense catclaw, scrub oak, mesquite, palo verde, greasewood, ocotilla, Spanish dagger, cacti, coffee brush and yucca palm.
Fair grass.
-

- From the reestablished cor. of secs. 32 and 33, on the S. bdy. of the Tp., hereinbefore described,
N.0°02'W., bet. secs. 32 and 33.
Over mountainous land, thru. dense undergrowth; descend 25 ft., over W. slope.
- 1.90 Drain, 15 lks.wide, 6 ft. deep, course SW.; ascend 80 ft., over S. slope.
- 7.10 Spur, slopes SW.; descend 70 ft., over W. slope.
- 12.00 Drain, 25 lks.wide, 10 ft. deep, course SW.; ascend 30 ft., over SE. slope, to
- 17.00 Ascend 15 ft., over E. slope, to
- 20.75 Same drain, 15 lks.wide, 6 ft. deep, course SE.; ascend 75 ft., over W. slope, to
- 35.00 Bend in same drain, 15 lks.wide, 6 ft. deep, course SW. from NW.; ascend 60 ft., over SW. slope, to
- 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,

Subdivision lines of Township 4 South, Range 15 East. 51

Chains.

1/4
S32 | S33
1918

- and raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, W. of cor.
- Ascend 110 ft., over S. slope.
- 45.45 Spur, slopes SW.; descend 75 ft., over NW. slope.
- 51.45 Head of draw, course SW.; ascend 65 ft., over S. slope.
- 54.60 Spur, slopes W.; descend 130 ft., over N. slope.
- 61.80 Gulch, 45 lks. wide, course W.; ascend 200 ft., over S. slope.
- 70.20 Spur, slopes SW.; descend 120 ft., over NW. slope.
- 78.70 Draw, 20 lks. wide, course SW.; ascend 25 ft., over SE. slope, 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,

T4S | R15E
S29 | S28
S32 | S33
1918

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

Land, mountainous.
Soil, rocky, 4th rate, lime formation.
No timber.
Undergrowth, dense catclaw, mesquite, coffee brush, palo verde, ocotilla, greasewood and cacti.
Poor grass.

- N. 89° 44' E., on a random line, bet. secs. 28 and 33.
- 40.00 Set temp. 1/4 sec. cor.
- 79.80 Fall 14 lks. N. of the true point for the cor. of secs. 27, 28, 33 and 34.
- Thence,
S. 89° 50' W., on a true line, bet. secs. 28 and 33, from the true point for the cor. of secs. 27, 28, 33 and 34.
- Over mountainous land, thru. scattering undergrowth.
- Ascend 130 ft., over E. slope.
- 10 Road brs. NE. and SW.
- 7.50 Ridge, brs. N. and S.; descend 220 ft., over W. slope, to
- 16.30 Road brs. NW. and SE.; at foot of W. slope, brs. N. and S.; descend slightly over S. slope, to
- 23.40 Wash, 60 lks. wide, 20 ft. deep, course S.; descend slightly over S. slope, to
- 31.70 Wash, 100 lks. wide, 25 ft. deep, course SE.; ascend 200 ft., over E. slope, to
- 39.90 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,

S 28
1/4
S 33
1918

- and raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, N. of cor.
- 40.00 Ridge, brs. N. and S.; descend 160 ft., over W. slope.
- 47.40 Draw, 30 lks. wide, course SW.; ascend 170 ft., over SE. slope.
- 59.00 Spur, slopes SW.; descend 160 ft. over NW. slope.
- 64.70 Draw, 15 lks. wide, course SW.; ascend 115 ft., over SE. slope.
- 70.25 Spur, slopes SW.; descend 160 ft., over NW. slope.

52. Subdivision of Township 4 South, Range 15 East.

Chains.

77.60 Draw, 20 lks.wide, course SW.; ascend 20 ft., over SE. slope, to

79.80 The cor.of secs.28,29,32 and 33.

Land,mountainous.

Soil,rocky, 4th rate, lime formation.

No timber.

Undergrowth, scattering palo verde, catclaw,ocotilla,coffee brush and cacti.

Poor grass.

N.0°02'W., bet. secs. 28 and 29.

Over mountainous land, thru. dense undergrowth; ascend 140 ft., over SE.slope.

6.50 Spur,slopes SW.; descend 125 ft., over NW.slope.

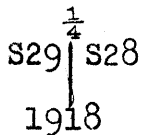
13.70 Drain,12 lks.wide, 6 ft. deep, course SW.; ascend 150 ft. over SE.slope.

19.00 Ridge, brs.NE. and SW.; descend 40 ft., over N.slope.

25.20 Gulch, 45 lks.wide, course W.; ascend 175 ft., over SW. slope.

33.90 Spur,slopes SW.; descend 50 ft., over broken NW. slope, to

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,



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

40.70 Drain, 12 lks. wide, 6 ft. deep, course SW.; ascend 170 ft., over S.slope.

48.00 Spur,slopes W.; descend 75 ft., over N.slope.

51.90 Drain, 12 lks.wide, 3 ft. deep, course W.; ascend 60 ft. over S.slope.

55.00 Spur,slopes SW.; descend 60 ft., over NW.slope.

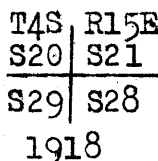
61.80 Drain,12 lks.wide, 6 ft. deep; course SW.; ascend 100 ft. over SE.slope.

65.70 Spur,slopes SW.; descend 110 ft., over NW.slope.

76.30 Draw, 45 lks.wide, course SW.; ascend 30 ft., over SE. slope.

79.00 Ridge, brs.NE. and SW.; descend 8 ft., over NW.slope, to

80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the ground, for the cor.of secs.20, 21,28 and 29, marked on brass cap,



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

Land,mountainous.

Soil,rocky, 4th rate, lime formation.

No timber.

Undergrowth, dense catclaw, palo verde, ocotilla,greasewood, coffee brush and cacti.

Poor grass.

N.89°50'E., on a random line, bet. secs.21 and 28.

40.00 Set temp.1/4 sec.cor.

80.02 Fall 7.lks.S.of.the cor.of secs.21,22,27 and 28.

Thence,

S.89°47'W., on a true line, bet. secs.21 and 28.

Over mountainous land, thru.dense undergrowth; descend

Chains.

110 ft., over SW.slope.

5.10 Drain, 12 lks.wide, 10 ft. deep, course S.; ascend 40 ft., over S.slope, to

10.20 Drain, 12 lks.wide, 4 ft. deep, course SE.; ascend 235 ft. over SE.slope.

20.00 Ridge, brs.NE. and SW.; descend 290 ft., over NW.slope.

34.90 Gulch, 30 lks.wide, course SW.; ascend 110 ft., over SE. slope, to

40.01 Set an iron post, 3 ft.long, 1 in. in diam., 18 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,

S 21
 $\frac{1}{4}$ —————
 S 28
 1918

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

Ascend 10 ft., over E. slope.

41.00 Spur, slopes S.; descend 185 ft., over SW.slope.

46.30 Drain, 20 lks.wide, 10 ft. deep, course SE.; ascend 175 ft., over broken SE.slope.

57.50 Ridge, brs.NE. and SW.; descend 335 ft., over broken NW. slope.

75.50 Draw, 45 lks.wide, course SW.; ascend 20 ft., over SE. slope.

79.00 Ridge, brs. NE. and SW.; descend 20 ft., over NW.slope, to

80.02 The cor.of secs.20, 21, 28 and 29.

Land, mountainous.

Soil, rocky, 4th rate, lime formation.

No timber.

Undergrowth, dense catclaw; palo verde, greasewood, cacti, ocotilla, Spanish dagger, and coffee brush.

Poor grass.

N.0°02'W., bet. secs.20 and 21.

Over mountainous land, thru.dense undergrowth; descend 30 ft., over NW.slope.

1.95 Drain, 12 lks.wide, 4 ft. deep, course SW.; ascend 100 ft., over SW. slope.

9.00 Spur, slopes SW.; descend 100 ft., over NW.slope.

14.50 Gulch, 20 lks.wide, course SW.; ascend 450 ft. over SE. slope.

27.30 Rocky point of spur, slopes SW.; descend 40 ft., over NW. slope.

29.00 Head of draw, course SW.; ascend 35 ft., over S.slope.

39.00 Rocky spur, slopes SW.; descend 20 ft., over broken NW. slope, to

40.00 Set an iron post, 3 ft.long, 1 in. in diam., 16 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$
 S20 | S21
 1918

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

Descend 75 ft., over NW.slope.

44.70 Gulch, 20 lks.wide, course SW.; ascend 190 ft., over broken SE.slope.

52.00 Rocky spur, slopes SW.; descend 25 ft., over NW.slope.

56.70 Draw, 20 lks.wide, course SW.; ascend 340 ft., over broken SE.slope, to

80.00 Spur, slopes SW. Set an iron post 3 ft.long, 2 ins. in diam., 18 ins. in the ground, to bed rock, supported by a mound of stone for the cor.of secs.16, 17, 20 and 21, marked on brass cap,

54. Subdivision lines of Township 4 South, Range 15 East.

Chains.

T4S	R15E
S17	S16
S20	S21

1918.

and raise a mound of stone, 2½ ft. base, 1½ ft. high, W. of cor.

Land, mountainous.

Soil, rocky, 4th rate, lime formation.

No timber,

Undergrowth, dense catclaw, ocotilla, palo verde, coffee brush, greasewood, Spanish dagger and cacti.

Fair grass.

- 40.00 N. 89° 47' E., on a random line, bet. secs. 16 and 21.
- 80.00 Set temp. ¼ sec. cor.
- 80.00 Fall 26 lks. N. of the cor. of secs. 15, 16, 21 and 22.
- Thence,
- S. 89° 58' W., on a true line, bet. secs. 16 and 21.
- Over mountainous land, thru. dense undergrowth; ascend 215 ft., over NE. slope, to
- 10.00 Ascend 210 ft., over SE. slope.
- 19.00 Ridge, brs. NE. and SW.; descend 200 ft., over broken NW. slope, to
- 30.00 Top of cliff, 40 ft. high, brs. NE. and SW., facing NW. From foot of cliff, descend 10 ft., to
- 32.50 Top of cliff, 30 ft. high, brs. NE. and SW., facing NW. From foot of cliff, descend 200 ft., over NW. slope, to
- 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,

s 16
¼
S 21
1918

and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.

Descend 35 ft., over W. slope, to

43.00 Descend 20 ft., over SW. slope.

45.65 Drain, 8 lks. wide, 3 ft. deep, course NW.; ascend 185 ft. over broken N. slope, to foot of cliff.

46.00 Spring brs. N., about 5 chs. dist.

55.10 Foot of cliff, 25 ft. high, brs. NW. and SE., facing NE. From top of cliff, ascend 45 ft., over NE. slope.

60.00 Ridge, brs. N. 60° W. and S. 60° E.; descend 100 ft., over S. slope, to

65.00 Head of drain, course SW.; descend 150 ft., over broken SE slope, to

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

Land, mountainous.

Soil, rocky, 4th rate, lime formation.

Timber, very scattering cedar.

Undergrowth, dense mesquite, catclaw, mezcal, Spanish dagger, scrub oak, yucca palm, coffee brush, ocotilla and cacti.

Fair grass.

- 18.90 N. 0° 02' W., bet. secs. 16 and 17.
- Over mountainous land, thru. dense undergrowth; descend 335 ft., over broken NW. slope.
- 40.00 Bottom of canyon, 30 lks. wide, course SW.; ascend 430 ft. over broken SE. slope, to
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, to bed rock, supported by a mound of stone, for ¼ sec. cor., marked on brass cap,

Chains.

$\frac{1}{4}$
 S17 | S16
 1918

- and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
- Ascend 65 ft., over SE. slope.
- 46.00 Ridge, brs. NE. and SW.; descend 280 ft., over broken NW. slope.
- 76.60 Gulch, 15 lks. wide, course SW. from E.; ascend 50 ft., over broken SW. slope, to
- 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,

T4S R15E
 S 8 | S 9
 S17 | S16
 1918

and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 Timber, scattering cedar.
 Undergrowth, dense catclaw, cacti, coffee brush, ocotilla, mezcal, yucca palm, palo verde, Spanish dagger and scrub oak.
 Fair grass.

- 40.00 N. $89^{\circ}58'E.$, on a random line, bet. secs. 9 and 16.
- 80.12 Set temp. $\frac{1}{4}$ sec. cor.
- 80.12 Fall 10 lks. S. of the cor. of secs. 9, 10, 15 and 16, Thence,
- S. $89^{\circ}54'W.$, on a true line, bet. secs. 9 and 16.
- Over mountainous land, thru. dense undergrowth; descend 35 ft., over NW. slope.
- 3.50 Head of draw, course N. $10^{\circ}E.$; ascend 230 ft., over NE. slope.
- 20.00 Johnson's camp and spring, brs. N. about 5 chs. dist.
- 32.00 Top of ascent, brs. NE. and SW. Tam O'Shanter Peak, brs. S. about 25 chs. dist.; descend 75 ft., over N. slope, to
- 40.06 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 9
 S 16
 1918

- and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.; ascend 30 ft., over N. slope.
- 45.00 Top of main ridge of Mescal Mountains brs. NW. and SE.; descend 35 ft., over W. slope, to
- 54.00 Top of cliff, 50 ft. high, brs. NE. and SW. facing NW. From foot of cliff; descend 175 ft., over broken NW. slope, to
- 65.50 Draw, 15 lks. wide, course SW.; descend slightly along S. slope, to
- 76.70 Descend 30 ft., over SW. slope, to
- 80.12 The cor. of secs. 8, 9, 16 and 17.
- Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 Timber, very scattering cedar; undergrowth, catclaw, ocotilla, coffee brush, Spanish dagger, mezcal, yucca palm, scrub oak and cacti.
 Fair grass.

56. Subdivision lines of Township 4 South, Range 15 East.

Chains.

N.0°02'W., bet. secs.8 and 9.
 Over mountainous land, thru.dense undergrowth; descend 20 ft., over W.slope.
 1.50 Gulch, 20 lks.wide, course SW.; ascend slightly over E. slope, to
 4.50 Same gulch, 20 lks.wide, course SE.; ascend 390 ft., over broken SW.slope, to
 39.00 Foot of cliff, 20 ft.high, brs.NW. and SE., facing SW.From top of cliff; ascend 15.ft.over SW.slope, to
 40.00 Set an iron post, 3 ft.long, 1 in. in diam., 4 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$
 S 8 | S 9
 1918

from which,

An oak, 12 ins. in diam., brs.S.19 $\frac{1}{2}$ °E., 37 lks.dist., marked " $\frac{1}{4}$ S 9 BT."

No other tree available.

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, W.of cor. Ascend 100 ft., over SW.slope, to
 58.00 Foot of cliff, 20 ft. high, brs.NW. and SE. facing SW. From top of cliff, ascend 150 ft., over W.slope.
 78.00 Top of main ridge of Mescal Mountains, brs.NW. and SE.; descend 20 ft., over NE.slope, to
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 20 ins. in crevice of rock, supported by a mound of stone, for the cor.of secs. 4,5,8 and 9, marked on brass cap,

T4S R15E
 S 5 | S 4
 S 8 | S 9
 1918

from which,

An oak, 6 ins. in diam., brs.S.62°W., 27 lks. dist., marked T4S R15E S 8 BT." No other trees available.

Raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft.high, W.of cor. Land, mountainous.

Soil, rocky, 4th rate, lime formation.

Timber, very scattering cedar.

Undergrowth, dense catclaw, scrub oak, coffee brush, mesquite, ocotilla, mezcal, Spanish dagger, wild cherry and cacti.

Fair grass.

40.00 N.39°54'E., on a random line, bet. secs.4 and 9.
 79.98 Set temp. $\frac{1}{4}$ sec.cor.
 Fall 16 lks.S. of the cor. of secs. 3, 4, 9 and 10. Thence,
 S.39°47' W., on a true line, bet. secs.4 and 9.
 Over mountainous land, thru. dense undergrowth; ascend 385 ft., over SE.slope, to
 20.00 Foot of cliffs, bears NE. and SW.; ascend 50 ft. to
 24.00 Top of cliff; brs. NE. and SW., facing SE. Ascend 225 ft., over SE.slope.
 35.00 Ridge, brs.NE. and SW. Descend 50 ft., over NW.slope, to
 39.99 Set an iron post, 3 ft.long, 1 in. in diam., 12 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap,

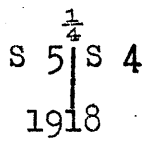
$\frac{1}{4}$ S 4
 S 9
 1918

Subdivision lines of Township 4 South, Range 15 East. 57

Chains.

and raise a mound of stone, 2½ ft. base, 1½ ft. high,
N. of cor.
Ascend 155 ft., over NE. slope.
58.75 Spur, slopes N.; descend 20 ft., over NW. slope.
61.00 Head of draw, course NE.; ascend 400 ft., over NE. slope, to
79.98 The cor. of secs. 4, 5, 8 and 9.
Land, mountainous.
Soil, rocky, 4th rate, lime formation.
Timber, very scattering cedar.
Undergrowth, dense catclaw, coffee brush, cacti, palo
verde, ocotilla, mesquite, mezcal, scrub oak, hackberry
and wild cherry.
Fair grass.

N. 0° 02' W., on a random line, bet. secs. 4 and 5.
40.00 Set temp. ¼ sec. cor.
80.60 Fall 40 lks. E. of the cor. of secs. 4, 5, 32 and 33, on N. bdy.
of Tp., hereinbefore described.
Thence,
S. 0° 19' E., on a true line, bet. secs. 4 and 5.
Over mountainous land, thru. dense undergrowth; ascend
455 ft., over NE. slope.
16.50 Spurs, slopes NE.; descend 110 ft., over SE. slope.
27.30 Drain, 20 lks. wide, 10 ft. deep, course NE.; ascend 190 ft.
over NE. slope, to
40.60 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground, for ¼ sec. cor., marked on brass cap,



and raise a mound of stone, 2½ ft. base, 1½ ft. high,
W. of cor:
Descend 12 ft., over SE. slope.
44.00 Drain, 15 lks. wide, 4 ft. deep, course NE.; ascend 185 ft.
over NW. slope.
58.00 Spur, slopes NE.; descend 185 ft., over SE. slope.
64.40 Draw, 20 lks. wide, course NE.; ascend 310 ft., over NW.
slope, to
75.00 Ascend 130 ft., over N. slope, to
78.00 Ascend 100 ft., over NE. slope, to
80.60 The cor. of secs. 4, 5, 8 and 9.
Land, mountainous.
Soil, rocky, 4th rate, lime formation.
Timber, very scattering cedar.
Undergrowth, dense catclaw, mesquite, cacti, coffee
brush, mezcal, palo verde, scrub oak, wild cherry,
and yucca palm.
Fair grass.

From the reestablished cor. of secs. 31 and 32 on the
S. bdy. of the Tp., hereinbefore described,
N. 0° 03' W., bet. secs. 31 and 32.
Over rolling land, thru. scattering undergrowth; ascend
20 ft., on top of spur, sloping S.
9.00 Old road, brs. NW. and SE.; leave top of spur, slopes S.
from NW.; descend 45 ft., over E. slope.
24.70 Wash, 25 lks. wide, 3 ft. deep, course SE.; ascend slightly
over W. slope, to
25.60 Same wash, course SW.; ascend 50 ft., over SE. slope.
35.00 Top of ascent, brs. NE. and SW.; descend 20 ft., over NE.
slope.
36.00 Same wash, 15 lks. wide, 10 ft. deep, course SE.; ascend 40
ft., over SW. slope, to
39.75 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in

58 Subdivision lines of Township 4 South, Range 15 East.

Chains.

the ground, for witness cor. to the $\frac{1}{4}$ sec. cor., marked on brass cap,

W C
 $\frac{1}{4}$
 S31 | S32
 1918

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

- 40.00 Descend 20 ft., over NW. slope.
- 40.00 True point for $\frac{1}{4}$ sec. cor. falls in same wash as at 36 ch. station, course SW.; ascend 150 ft., over SE. slope.
- 50.00 Spur, slopes SW.; descend 100 ft., over NW. slope.
- 57.10 Drain, 15 lks. wide, 4 ft. deep, course SW.; descend 70 ft. over SW. slope.
- 64.20 Drain, 20 lks. wide, 10 ft. deep, course SW., with a small stream of clear water in same, about 100 lks. W. of line.
- 80.00 Ascend 100 ft., over W. slope, to Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground, to bed rock, supported by a mound of stone for the cor. of secs. 29, 30, 31 and 32, marked on brass cap,

T4S | R15E
 S30 | S29
 S31 | S32
 1918

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

Land, rolling.
 Soil, rocky, 4th rate, conglomerate formation.
 No timber.
 Undergrowth, scattering catclaw, cacti, palo verde, ocotilla, greasewood and coffee brush.
 Fair grass.

- 40.00 N. $89^{\circ}51'E.$, on a random line, bet. secs. 29 and 32.
- 79.96 Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Fall 5 lks. S. of the cor. of secs. 28, 29, 32 and 33. Thence,
- 5.00 S. $89^{\circ}49'W.$, on a true line, bet. secs. 29 and 32.
- 10.00 Over mountainous land, thru, dense undergrowth; ascend 20 ft., over SE. slope.
- 5.00 Point of spur, slopes SW.; descend 120 ft., over W. slope.
- 10.00 Drain, 20 lks. wide, 10 ft. deep, course S.; ascend 130 ft. over E. slope.
- 17.00 Spur, slopes SE.; descend 50 ft., over SW. slope.
- 20.00 Drain, 12 lks. wide, 3 ft. deep, course SE.; ascend 150 ft. over E. slope.
- 28.00 Ridge, brs. NE. and SW.; descend 200 ft., over W. slope, to
- 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,

S 29
 $\frac{1}{4}$
 S 32
 1918

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

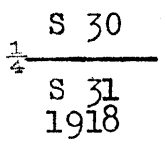
- 40.40 Descend 10 ft., over W. slope.
- 40.40 Drain 20 lks. wide, 3 ft. deep, course SW.; ascend 55 ft., over SE. slope.
- 45.30 Top of ascent, brs. NE. and SW.; descend 65 ft., over SW. slope.
- 51.40 Drain, 12 lks. wide, 4 ft. deep, course SW.; ascend 45 ft. over SE. slope.

Subdivision lines of Township 4 South, Range 15 East. 59

Chains.

55.00 Top of ascent, brs.NE. and SW.; descend 90 ft., over SW. slope, to
 60.00 Drain, 12 lks.wide, 6 ft. deep, course SW.; descend 20 ft., over SW.slope, to
 62.00 Wash, 40 lks.wide, course SW.; ascend 60 ft., over S.slope, to
 69.00 Drain, 12 lks.wide, 4 ft. deep, course S.; ascend 60 ft., over E.slope.
 73.70 Spur, slopes S.; descend 270 ft., over W.slope, to
 79.96 The cor. of secs. 29, 30, 31 and 32.
 Land, mountainous.
 Soil, rocky, 4th rate, conglomerate formation.
 No. timber.
 Undergrowth, dense catclaw, greasewood, palo verde, cacti, ocotilla, coffee brush and mesquite.
 Fair grass.

 N. 89° 52' W., on a random line, bet. secs. 30 and 31.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 81.08 Fall 16 lks. N. of the reestablished cor. of secs. 30 and 31, on W. bdy. of Tp., hereinbefore described.
 Thence,
 S. 89° 59' E., on a true line, bet. secs. 30 and 31.
 Over rolling land, thru. scattering undergrowth; ascend 65 ft., over NW. slope.
 6.80 Ridge, brs. N. and S.; descend 100 ft., over E. slope.
 14.75 Gulch, 15 lks. wide, course S.; ascend 50 ft., over SW. slope.
 20.00 Spur, slopes S.; descend 15 ft., over SE. slope, to
 25.00 Ascend 115 ft., over SW. slope.
 35.50 Spur, slopes SE.; descend 90 ft., over E. slope.
 40.80 Wash, 45 lks. wide, course S.; ascend 5 ft., over W. slope, to
 41.08 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,



and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Ascend 120 ft., over W. slope.
 46.60 Ridge, brs. N. and S.; descend 80 ft., over E. slope.
 48.50 Drain, 15 lks. wide, 3 ft. deep, course SW.; ascend 50 ft., over W. slope.
 52.80 Spur, slopes SW.; descend 80 ft., over SE. slope.
 57.70 Drain, 20 lks. wide, 6 ft. deep, course SW.; ascend 60 ft., over NW. slope.
 61.10 Spur, slopes SW.; descend 50 ft., over SE. slope.
 63.90 Drain 12 lks. wide, 4 ft. deep, course SW.; ascend 120 ft., over W. slope.
 72.40 Spur, slopes S.; descend 180 ft., over E. slope.
 80.60 Wash, 20 lks. wide, course S., with a small stream of clear water; ascend 25 ft., over W. slope, to
 81.08 The cor. of secs. 29, 30, 31 and 32.
 Land, rolling.
 Soil, gravelly, 4th rate, conglomerate formation.
 No timber.
 Undergrowth, scattering greasewood, coffee brush, cacti, palo verde, ocotilla and catclaw.
 Fair grass.

 N. 0° 03' W., bet. secs. 29 and 30.
 Over rolling land, thru. dense undergrowth.

60 Subdivision lines of Township 4 South, Range 15 East.

Chains

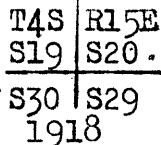
Ascend 40 ft., over W. slope, along E. side of wash, course S.

- 9.00 Spring, about 25 lks. W. of line, in wash.
- 16.90 Wash, 30 lks. wide, course S. from NE.; ascend 50 ft., over SE. slope, to
- 19.00 Spur, slopes SW.; descend 10 ft., over W. slope, to
- 20.00 Ascend 240 ft., over SE. slope, to
- 39.80 Ridge, b'rs. NE. and SW.; descend slightly over NW. slope, to
- 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,



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

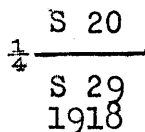
- 45.00 Descend 50 ft., over NW. slope, to
- Ascend 25 ft., over W. slope, to
- 61.00 Spur, slopes SW.; descend 75 ft., over NW. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 19, 20, 29 and 30, marked on brass cap,



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

Land, rolling.
 Soil, gravelly, 4th rate, conglomerate formation.
 No timber.
 Undergrowth, dense catclaw, greasewood, cacti, palo verde, ocotilla and coffee brush.
 Fair grass.

- 40.00 N. 89° 49' E., on a random line, bet. secs. 20 and 29. Set temp. $\frac{1}{4}$ sec. cor.
- 79.94 Fall 12 lks. N. of the cor. of secs. 20, 21, 28 and 29. Thence, S. 89° 54' W., on a true line, bet. secs. 20 and 29. Over mountainous land, thru. dense undergrowth; descend 85 ft., over NW. slope, to
- 4.80 Wash, 15 lks. wide, 3 ft. deep, course SW.; descend 80 ft., over S. slope, to
- 19.00 Same wash, 15 lks. wide, 6 ft. deep, course NW.; descend 30 ft., over N. slope, to
- 24.00 Same wash, 40 lks. wide, course SW.; descend 65 ft., over S. slope, to
- 38.00 Same wash, 30 lks. wide, course NW.; descend 15 ft., over N. slope, to
- 39.97 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,



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

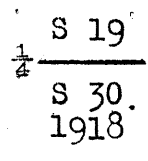
- 40.50 Descend slightly to Same wash, 30 lks. wide, course SW.; descend 35 ft., over N. slope.
- 43.00 Wash, 60 lks. wide, course SW.; ascend 45 ft., over SE. slope.

Subdivision lines of Township 4 South, Range 15 East. 61

Chains.

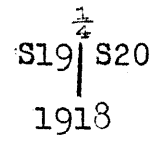
49.00m Spur, slopes SW.; descend 45 ft., over NW. slope.
 50.40 Drain, 25 lks. wide, 10 ft. deep, course SW.; ascend 45 ft. over SE. slope.
 57.00 Spur, slopes S.; descend 30 ft., over W. slope.
 57.90 Drain, 12 lks. wide, 4 ft. deep, course S.; ascend 150 ft., over SE. slope.
 71.00 Ridge, brs. NE. and SW.; descend 190 ft., over NW. slope, to
 79.94 The cor. of secs. 19, 20, 29 and 30.
 Land, mountainous.
 Soil, gravelly, 4th rate, conglomerate formation.
 No timber.
 Undergrowth, dense palo verde, catclaw, greasewood, cacti, coffee brush and ocotilla.
 Fair grass.

 N. 89° 59' W., on a random line, bet. secs. 19 and 30.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.63 Fall 3 lks. S. of the reestablished cor. of secs. 19 and 30, on W. bdy. of Tp., hereinbefore described.
 Thence,
 S. 89° 58' E., on a true line, bet. secs. 19 and 30.
 Over mountainous land, thru. dense undergrowth; ascend 100 ft., over W. slope.
 4.10 Ridge, brs. N. and S.; descend 15 ft., over E. slope, to
 5.60 Ascend 40 ft., over SW. slope, to
 11.60 Spur, slopes S.; descend 145 ft., over E. slope.
 19.00 Draw, 15 lks. wide, course S.; ascend 160 ft., over NW. slope.
 28.10 Ridge, brs. NE and SW.; descend 185 ft., over SE. slope, to
 40.63 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Descend 8 ft., over SE. slope, to
 41.00 Wash, 30 lks. wide, course SW.; ascend 330 ft., over NW. slope.
 69.00 Ridge, brs. NE. and SW.; descend 210 ft., over SE. slope.
 80.10 Gulch, 15 lks. wide, course SW.; ascend 10 ft., over NW. slope, to
 80.63 The cor. of secs. 19, 20, 29 and 30.
 Land, mountainous.
 Soil, gravelly, 4th rate, conglomerate formation.
 No timber.
 Undergrowth, dense palo verde, cacti, catclaw, greasewood, ocotilla and coffee brush.
 Fair grass.

 N. 0° 03' W., bet. secs. 19 and 20.
 Over mountainous land, thru. dense undergrowth; descend 8 ft., over NW. slope.
 1.40 Gulch, 15 lks. wide, course SW.; ascend 220 ft., over SE. slope.
 20.00 Ridge, brs. NE. and SW.; descend 200 ft., over NW. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



Subdivision lines of Township 4 South, Range 15 East.

62

Chains.

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

- 43.90 Descend 45 ft. to Wash, 20 lks. wide, course SW.; ascend 100 ft., over E. slope, to
- 64.30 Same wash, 20 lks. wide, course SE.; ascend 60 ft., over W. slope, to
- 76.65 Same wash, 20 lks. wide, course SW.; ascend 25 ft., over SE. slope, to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for the cor. of secs. 17, 18, 19 and 20, marked on brass cap,

T4S	R15E
S18	S17
S19	S20

1918

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

Land, mountainous.
 Soil, gravelly, 4th rate, conglomerate formation.
 No timber.
 Undergrowth, dense greasewood, palo verde, catclaw, cacti, ocotilla, mesquite and coffee brush.
 Fair grass.

- 40.00 N. 89° 54' E., on a random line, bet. secs. 17 and 20. Set temp. 1/4 sec. cor.
- 80.06 Fall 14 lks. N. of the cor. of secs. 16, 17, 20 and 21. Thence, West, on true line, bet. secs. 17 and 20. Over mountainous land, thru. dense undergrowth; descend 490 ft., over NW. slope.
- 25.50 Wash, 20 lks. wide, course SW.; ascend 120 ft., over SE. slope.
- 31.00 Ridge, brs. NE. and SW.; descend 165 ft., over NW. slope.
- 37.00 Gulch, 45 lks. wide, course SW.; ascend 80 ft., over SE. slope, to
- 40.03 Set an iron post 3 ft. long, 1 in. in diam., 14 ins. in the ground, to bed rock, supported by a mound of stone, for 1/4 sec. cor., marked on brass cap,

S 17
 S 20
 1918

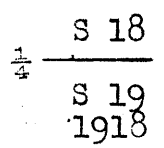
and raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, N. of cor.

- 41.00 Ascend 25 ft., over SE. slope, to Foot of cliff, 25 ft. high, brs. NE. and SW., facing SE.; from top of cliff, ascend 20 ft., over E. slope, to
- 47.00 Spur, slopes S.; descend 130 ft., over SW. slope.
- 50.30 Head of draw, course SW.; ascend 10 ft., over SE. slope, to
- 55.20 Foot of cliff, 75 ft. high, brs. NE. and SW. facing SE. From top of cliff, ascend 35 ft., over SE. slope.
- 57.00 Ridge, brs. NE. and SW.; descend 110 ft., over broken NW. slope, to
- 59.55 Top of cliff, 100 ft. high, brs. NE. and SW., facing NW. From foot of cliff, descend 390 ft., over NW. slope.
- 77.50 Wash, 20 lks. wide, course SW.; ascend 20 ft., over SE. slope to
- 80.06 The cor. of secs. 17, 18, 19 and 20.

Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 No timber.
 Undergrowth, dense catclaw, greasewood, palo verde, coffee brush, ocotilla, yucca palm and mezcal.
 Fair grass.

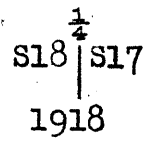
Subdivision lines of Township 4 South, Range 15 East. 63

Chains. N.89°58'W., on a random line, bet. secs.18 and 19.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 80.50 Fall 14 lks.N.of the cor.of secs.18, and 19, on W.bdy.of
 Tp., hereinbefore described.
 Thence,
 N.89°58'E., on a true line, bet. secs.18 and 19.
 Over mountainous land, thru. dense undergrowth; ascend 60
 ft., over SW.slope.
 3.00 Spur, slopes S.; descend 30 ft., over SE.slope.
 4.80 Drain, 12 lks.wide, 5 ft. deep, course SE.; ascend 75 ft.
 over SW.slope.
 7.80 Old road, brs.NW. and SE.
 8.50 Spur, slopes SE.; descend, 110 ft., over SE.slope.
 18.70 Wash, 40 lks.wide, course SW.; ascend 270 ft., over broken
 NW.slope, to
 40.50 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,



and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
 N.of cor.
 Ascend 200 ft., over NW.slope, to
 57.50 Ridge, brs. NE. and SW.; descend 70 ft., over SE.slope.
 60.50 Head of draw, course SE.; ascend 20 ft., over SW.slope.
 63.00 Spur, slopes SE.; descend 160 ft., over NE.slope.
 70.70 Drain, 8 lks.wide, 3 ft. deep, course SE.; ascend 25 ft.
 over SW.slope.
 73.50 Spur, slopes SE.; descend 100 ft., over E.slope.
 78.50 Drain, 20 lks.wide, 6 ft. deep, course S.; ascend 25 ft.,
 over W.slope.
 79.70 Top of ascent, brs.N. and S.; descend 20 ft., over SE.
 slope, to
 80.50 The cor.of secs.17,18, 19 and 20.
 Land, mountainous.
 Soil, gravelly, 4th rate, conglomerate formation.
 No timber.
 Undergrowth, dense greasewood, palo verde, ocotilla, cacti,
 catclaw, coffee brush and mesquite.
 Fair grass.

N.0°03'W., bet. secs.17 and 18.
 Over mountainous land, thru. dense undergrowth; ascend 35
 ft., over E.slope, to
 2.00 Ascend 325 ft., over S.slope, to
 15.00 Rocky spur, slopes SE.; ascend 360 ft., over broken E.
 slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in
 the ground, to bed rock, supported by a mound of stone,
 for $\frac{1}{4}$ sec.cor., marked on brass cap,



and raise a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,
 W.of cor.
 Ascend 200 ft., over SE.slope, to
 55.00 Ridge, brs.NE. and SW.; ascend 110 ft., over broken W.
 slope, to
 70.00 Head of draw, course SW.; ascend 125 ft., over broken S.
 slope.
 79.00 Spur, slopes SW.; descend 6 ft., over NW.slope, to
 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,

64 Subdivision lines of Township 4 South, Range 15 East.

Chains.

T4S	R15E
S 7	S 8
S18	S17

1918

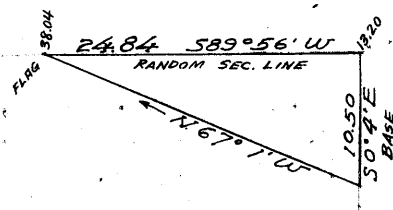
and raise a mound of stone, 2½ ft. base, 1½ ft. high,
W. of cor.
Land, mountainous.
Soil, rocky, 4th rate, lime formation.
No timber.
Undergrowth, dense catclaw, greasewood, cacti, palo verde,
coffee brush, ocotilla, and mezcal.
Fair grass.

- 40.00 East, on random line, bet. secs. 8 and 17.
- 80.00 Set temp. ¼ sec. cor.
- 80.00 Fall 15 lks. N. of the cor. of secs. 8, 9, 16 and 17.
- Thence,
- N. 89° 54' W., on a true line, bet. secs. 8 and 17.
- Over mountainous land, thru. dense undergrowth; descend
60 ft., over W. slope.
- 2.45 Gulch, 20 lks. wide, course S. from NE.; ascend 240 ft. over SE.
slope.
- 11.00 Spur, slopes SE.; descend 90 ft. over broken SW. slope.
- 17.65 Draw, 15 lks. wide, course SE.; ascend 125 ft., over broken
NE. slope.
- 25.00 Ridge, brs. NW. and SE.; descend 40 ft., over SW. slope, to
- 30.00 Ascend 35 ft., over E. slope.
- 38.00 Spur, slopes SE.; descend 30 ft., over broken SW. slope, to
- 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,

¼	S 8
¼	S 17
	1918

- and raise a mound of stone, 2½ ft. base, 1½ ft. high,
N. of cor.
- Descend 125 ft., over SW. slope.
- 44.60 Drain, 12 lks. wide, 4 ft. deep, course SE.; ascend 75 ft.,
over E. slope.
- 50.00 Spur, slopes SE.; descend 55 ft., over SW. slope.
- 56.90 Drain, 12 lks. wide, 4 ft. deep, course SE.; ascend 185 ft.,
over broken SE. slope, to
- 70.00 Head of drain, course SE.; ascend 90 ft., over SE. slope.
- 77.00 Ridge, brs. NE. and SW.; descend 30 ft., over NW. slope, to
- 80.00 The cor. of secs. 7, 8, 17 and 18.
- Land, mountainous.
- Soil, rocky, 4th rate, lime formation.
- No timber.
- Undergrowth, dense catclaw, Spanish dagger, cacti, coffee
brush, mezcal, ocotilla and yucca palm.
- Fair grass.

- 13.20 S. 89° 56' W., on a random line, bet. secs. 7 and 18.
- Discontinue chain measurement, and triangulate across deep
gulch, as follows:



Measure a base S. 0° 04' E., 10.50
chs.
Set flag ahead on random line,
From S. end of base, flag brs. N.
67° 01' W.
Included angles are, 66° 57',
23° 03' and 90° 00', the sum

Subdivision lines of Township 4 South, Range 15 East.

Chains.		
	of which is 180° 00'. Dist. triangulated on random line is obtained by tang. 66° 57' x base, or 2.35915 x 10.50 = 24.84 chs., which added to 13.20 chs. =	
38.04	Flag point on spur, continue line and measurement by chaining.	
40.00	Set temp. 1/4 sec. cor.	
80.30	Fall 14 lks. N. of the cor. of secs. 7 and 18, on the W. bdy. of the Tp., hereinbefore described.	
	Thence	
	N. 89° 50' E., on a true line, bet. secs. 7 and 18.	
	Over mountainous land, thru dense undergrowth; asc. 15 ft. over NW. slope.	
1.50	Ridge, bears NE. and SW.; desc. 140 ft., over SE. slope.	
9.00	Drain, 12 lks. wide, 3 ft. deep, course S.; asc. 25 ft., over SW. slope.	
12.50	Spur, slopes S.; desc. 75 ft., over SE. slope.	
15.50	Draw, 15 lks. wide, course S.; asc. 69 ft. over SW. slope.	
21.20	Point of spur, slopes S.; desc. 30 ft. over SE. slope.	
22.25	Wash, 30 lks. wide, course SW; asc. 325 ft., over broken cliffy NW. slope.	
32.00	Spur, slopes SW.; desc. 40 ft. over SE. slope.	
34.40	Head of draw, course S.; asc. 85 ft., over W. slope.	
40.30	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to bed rock, supported by a mound of stone, for 1/4 sec. cor., marked on brass cap.	
	S 7 1/4 ----- S 18 1918	
	and raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, N. of cor.	
	Asc. 30 ft. over W. slope.	
42.26	Flag point of triangulation, hereinbefore described, on rocky spur, slopes SW. Thence by triangulated measurement, across canyon. Desc. about 250 ft., over broken SE. slope.	
54.00	(Approximate) Bottom of canyon, course SW.; asc. about 250 ft. over broken NW. slope.	
67.10	Spur, slopes SW. Triangulation point of triangulation, hereinbefore described. Thence continue measurement by chaining; desc. 90 ft. over SE. slope.	
74.80	Draw, course SW.; asc. 140 ft., over NW. slope to	
80.30	The cor. of secs. 7, 8, 17 and 18.	
	Land, mountainous.	
	Soil, rocky, 4th rate, lime formation.	
	No timber.	
	Undergrowth, dense catclaw, mezcal, mesquite, cacti, coffee, palo verde, ocotilla, greasewood.	
	Fair grass.	

	N. 0° 03' W., bet. secs. 7 and 8.	
	Over mountainous land, thru dense undergrowth; desc. 10 ft. over NW. slope.	
1.50	Foot of desc. bears NW. and SE.; asc. 30 ft. over SW. slope.	
5.00	Spur, slopes NW.; desc. 270 ft., over NE. slope.	
15.00	Drain, 12 lks. wide, 5 ft. deep, course NW.; asc. 380 ft. over broken SW. slope.	
33.00	Foot of cliffs, 75 ft. high, brs. NW. and SE., facing SW. From top of cliffs, asc. 110 ft. to	
40.00	Ridge, bears NW. and SE. Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bed rock, supported by a mound of stone, for 1/4 sec. cor., marked on brass cap,	
	S 7 S 8 1918	
	and raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, W. of cor.; desc. 650 ft., over broken cliffy NE. slope.	
68.90	Wash, 30 lks. wide, course W. Desc. 5 ft., over W. slope to	
71.65	Wash, 30 lks. wide, course SW., with a small spring of good clear water on line; asc. 175 ft. over broken cliffy SE. slope, to	
80.00	Set an iron post, 3 ft. long, 2 ins. diam. 20 ins. in the	

Subdivision lines of Township 4 South, Range 15 East.

Chains.	ground, to bed rock, supported by a mound of stone, for the cor. of secs. 5, 6, 7 and 8, marked on brass cap.
	$\begin{array}{r} T4S, R15E \\ \hline S 6 S 5 \\ \hline S 7 S 8 \\ 1918 \end{array}$
	and raise a mound of stone, 2½ ft. base, 1½ ft. high W. of cor. Land, mountainous.
	Soil, rocky 4th rate, lime formation.
	Timber, very scattering cedar.
	Undergrowth, dense catclaw, mesquite, cacti, mezcal, coffee brush and yucca palm.
	Fair grass.

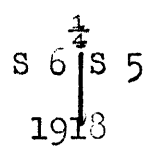
	S. 89° 54' E., on a random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
80.02	Fall 12 lks. N. of the cor. of secs. 4, 5, 8 and 9.
	Thence
	N. 89° 49' W., on a true line bet. secs. 5 and 8.
	Over mountainous land, thru dense undergrowth; asc. 10 ft. over NE. slope.
4.00	Top of main ridge of Mescal Mountains, bears NW. and SE.; desc. 10 ft. over broken cliffy SW. slope, to
7.00	Top of cliff, 50 ft. high, bears NW. and SE., facing SW. From foot of cliff, desc. 25 ft., over SW. slope to
10.00	Head of draw, course SE.; asc. 150 ft. over SE. slope.
20.50	Top of main ridge of Mescal Mountains, bears NE. and W. Thence on top of ridge; desc. 30 ft. to
25.00	Leave top of ridge, bears NW. and E; asc. 40 ft., over S. slope to.
30.00	Ridge, bears NE. and SW; desc. 120 ft. over NW. slope, to
40.01	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap,
	$\begin{array}{r} S 5 \\ \hline \frac{1}{4} \\ S 8 \end{array}$
	and raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.
	Desc. 230 ft., over NW. slope to
59.00	Top of cliff, 25 ft. high, bears NE. and SW., facing NW. From foot of cliff, desc. 335 ft., over NW. slope to
72.60	Gulch, 20 lks. wide, course SW.; asc. 160 ft., over broken cliffy SE. slope, to
80.02	The cor. of secs. 5, 5, 7 and 8.
	Land, mountainous.
	Soil, rocky, 4th rate, lime formation.
	Timber, a few scattering cedar.
	Undergrowth, dense catclaw, scrub oak, coffee brush, ocotilla, cacti and mezcal.
	Fair grass.

	S. 89° 50' W., on a random line, bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.
80.27	Fall 7 lks. N. of the cor. of secs. 6 and 7 on W. bdy. of Tp., hereinbefore described.
	Thence N. 89° 47' E., on a true line, bet. secs. 6 and 7.
	Over mountainous land, thru dense undergrowth; asc. 750 ft. over broken NW. slope.
27.30	Ridge, bears NE. and SW.; desc. 285 ft., over broken SE. slope to
40.27	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, to bed rock, supported by a mound of stone, for ¼ sec. cor., marked on brass cap.
	$\begin{array}{r} S 6 \\ \hline \frac{1}{4} \\ S 7 \\ 1918 \end{array}$

Chains.

and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 Descend 70 ft., over SE. slope, to
 46.00 Gulch, 20 lks. wide, course SW.; ascend 445 ft., over broken cliffy NW. slope, to
 66.30 Spur, slopes SW.; ascend 35 ft., over SW. slope, to
 71.30 Foot of cliff, 30 ft. high, brs. NW. and SE. facing SW.
 From top of cliff, ascend 10 ft., over SW. slope.
 72.80 Point of spur, slopes S.; descend 290 ft. over broken SE. slope, to
 80.27 The cor. of secs. 5, 6, 7 and 8.
 Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 Timber, very scattering cedar.
 Undergrowth, dense catclaw, scrub oak, mesquite, ocotilla, coffee brush, mezcal, Spanish dagger and wild cherry.
 Poor grass.

N. $0^{\circ}03'W.$, on a random line, bet. secs. 5 and 6.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.11 Fall 42 lks. E. of the cor. of secs. 5, 6, 31 and 32, hereinbefore described.
 Thence,
 S. $0^{\circ}21'E.$, on a true line, bet. secs. 5 and 6.
 Over mountainous land, thru. dense undergrowth; descend 200 ft., over SW. slope.
 10.15 Drain, 25 lks. wide, 4 ft. deep, course NW. Ascend 300 ft. over NE. slope.
 25.00 Spur, slopes W.; descend 85 ft., over S. slope, to
 40.11 Set an iron post 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bed rock, supported by a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap,



and raise a mound of stone, $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Descend 5 ft., over S. slope, to
 40.40 Head of wash, course W.; ascend 135 ft., over NW. slope, to
 48.10 Ascend slightly over W. slope, to
 61.10 Spur, slopes SW.; descend 440 ft., over broken SE. slope, to
 80.11 The cor. of secs. 5, 6, 7 and 8.
 Land, mountainous.
 Soil, rocky, 4th rate, lime formation.
 Timber, very scattering cedar.
 Undergrowth, dense catclaw, scrub oak, coffee brush, ocotilla, mezcal, mesquite, Spanish dagger and wild cherry.
 Fair grass.

Boundaries of Township 4 South, Range 15 East.
 Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	West,	161.10				161.10
	S.89°44'W.	156.09		.73		156.09
	S.89°51'W.	79.96		.21		79.96
	N.89°52'W.	84.24	.20			84.24
West boundary,	N.0°17'W:	39.47	39.47			
	N.0°28'E.	39.15			.32	
	N.0°30'E.	39.60			.35	
	N.0°03'E.	40.30			.03	
	North,	321.48	321.48			.19
North boundary,	N.89°52'E.	479.68	1.12		479.68	
East boundary,	South,	159.99		159.99		
	S.0°02'E.	321.32		321.32	.19	
Convergency,					.47	
Totals,			481.32	482.25	481.04	481.58
				481.32		481.04
<u>Error in latitude,</u>				.93		
<u>Error in departure,</u>						.54

GENERAL DESCRIPTION.

This township is very broken and mountainous, with the exception of a small valley in the NE. portion, known as "DRIPPING SPRINGS VALLEY". The mountains are known as the "MESCAL MOUNTAINS."

The soil on the mountains is rocky, 4th rate, lime formation. Over the rolling surface it is gravelly, 3rd and 4th rate, conglomerate formation, and in Dripping Springs Valley, it is a sandy loam, 1st and 2nd rate, alluvial formation.

Water is scarce, the few small springs not producing a permanent supply, and the only area suitable for agricultural purposes would require irrigation.

A few scrubby cedars on the mountains, constitute the only timber. A dense undergrowth is prevalent in nearly all parts.

There is a small mining camp near the corner of sections 22, 23, 26 and 27, and there are also a few prospectors scattered throughout the township, but no permanent residents.

There are large bodies of limestone in this township, and indications of precious minerals, scattered all over the mountains.

BOOK 3396

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, _____, U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of _____

FIELD ASSISTANTS TO ALTON O. STINSON, U. S. SURVEYOR,

of the _____ Meridian, in the State of _____ which are represented in the foregoing field notes as having been executed by him, and under his direction, and that said survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	From	To	
Myron C. Lockey,			1st. chainman,
Carl J. Sass,			2nd. chainman,
Ralph M. Brown,			2nd. chainman,
Raymond McCreary,			Moundman,
Albert Rau,			Moundman,
Edward G. Linsley,			Moundman,
Jack C. Hazelton,			Flagman.

Subscribed and certified to before me on the dates of the final service as shown above.

CERTIFICATE
FINAL OATH OF UNITED STATES SURVEYOR.

I, Alton O. Stinson, U. S. Surveyor, ^{hereby certify upon honor} do solemnly swear that, in pursuance supplemental of special instructions received from the U. S. Surveyor General, for Group 71, Arizona, bearing date of the 31st day of October, 1918, 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, ^{re-} surveyed all those parts or portions of the East, West and South boundaries, and surveyed all those parts or portions of the East and West boundaries and Subdivision lines of

TOWNSHIP 4 SOUTH, RANGE 15 EAST

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes, as having been executed by me, and under my direction; and ~~I do further~~ ^{re-survey and} 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 ^{supplemental} special written instructions of the U. S. Surveyor General, for Group 71, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ^{re-} survey and survey.

Phoenix, Arizona,
April 13, 1918.

Alton O. Stinson
U. S. Surveyor.

~~Subscribed by said~~ Alton O. Stinson, and sworn to before me }
this 13th day of April, 1918



[Signature]

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

191

The foregoing field notes of the survey of _____

executed by _____
under his special instructions dated _____, 191 _____, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

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.

U. S. Surveyor General.

BOOK 3396

CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER.

I, William B. Kimmel, U.S. Cadastral Engineer, ~~U.S. Surveyor~~, hereby certify upon honor that, in pursuance supplemental of special instructions received from the U. S. Surveyor General, for Group 71, Arizona,

bearing date of the 4th day of January, 1918, 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 ^{re-} surveyed all those parts or portions of the East boundary, and surveyed all those parts or portions of the West and North boundaries, and the Subdivision lines of

TOWNSHIP 4 SOUTH, RANGE 15 EAST,

of the Gila and Salt River

Base and Meridian, in the State of Arizona, which are represented in and by diagram on page 1 hereof the foregoing field notes, as having been executed by me, and under my direction; and that all the corners of resurvey and said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the supplemental special written instructions of the U. S. Surveyor General, for Group 71, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ^{re-} survey and survey.

San Francisco, Calif.
Jan. 10, 1920.

William B. Kimmel
U. S. Cadastral Engineer

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Phoenix, Arizona, February 7, 1921.

The foregoing field notes of the ^{re-} survey of the South, and Parts of the East and West boundaries, and of the Survey of the North, Parts of the East and West boundaries, and the Subdivision lines of TOWNSHIP 4 SOUTH, RANGE 15 EAST, of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by Alton O. Stinson, U.S. Surveyor, and William B. Kimmel, U.S. Cadastral Engineer, supplemental under his special instructions dated Oct. 31, 1917 and Jan. 4, 1918, for Grp. 71, Ariz., having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys ^{re-} resurveys and they describe, are hereby approved.

[Signature]
U. S. Surveyor General.

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.