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107  
107  
COMPARED

BOOK "T"

4-679

BOOK 3446

# FIELD NOTES

OF THE RETRACEMENT OF THE

North half of the East boundary of Township 9 South, Range 15 E.  
and Part of the Subdivision lines of Township 9 South, Range 16 East.

OF THE RESURVEY OF THE

North boundary and

North half of the East boundary of Township 9 South, Range 16 East.

AND OF THE SURVEY OF THE

North half of the West boundary and

Part of the Subdivision lines (Completion) of

Township 9 South - Range 16 East

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

William H. Thorn, U. S. Cadastral Engineer,

Herbert N. Raymond, U. S. Cadastral Engineer, and

Dupree R. Averill, U. S. Transitman.

In the capacity of U.S. Surveyors

~~In the capacity of U. S. Surveyor~~, under Special Instructions dated February 6, 1918,

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

No. 81, which were approved by the Commissioner of the General Land

Office, February 27, 1918, and Assignment Instructions dated Feb. 17, 1919  
and Oct. 1, 1919.

Retracement  
Resurvey and Survey commenced March 4, 1919.

Retracement  
Resurvey and Survey completed October 17, 1919.

3446

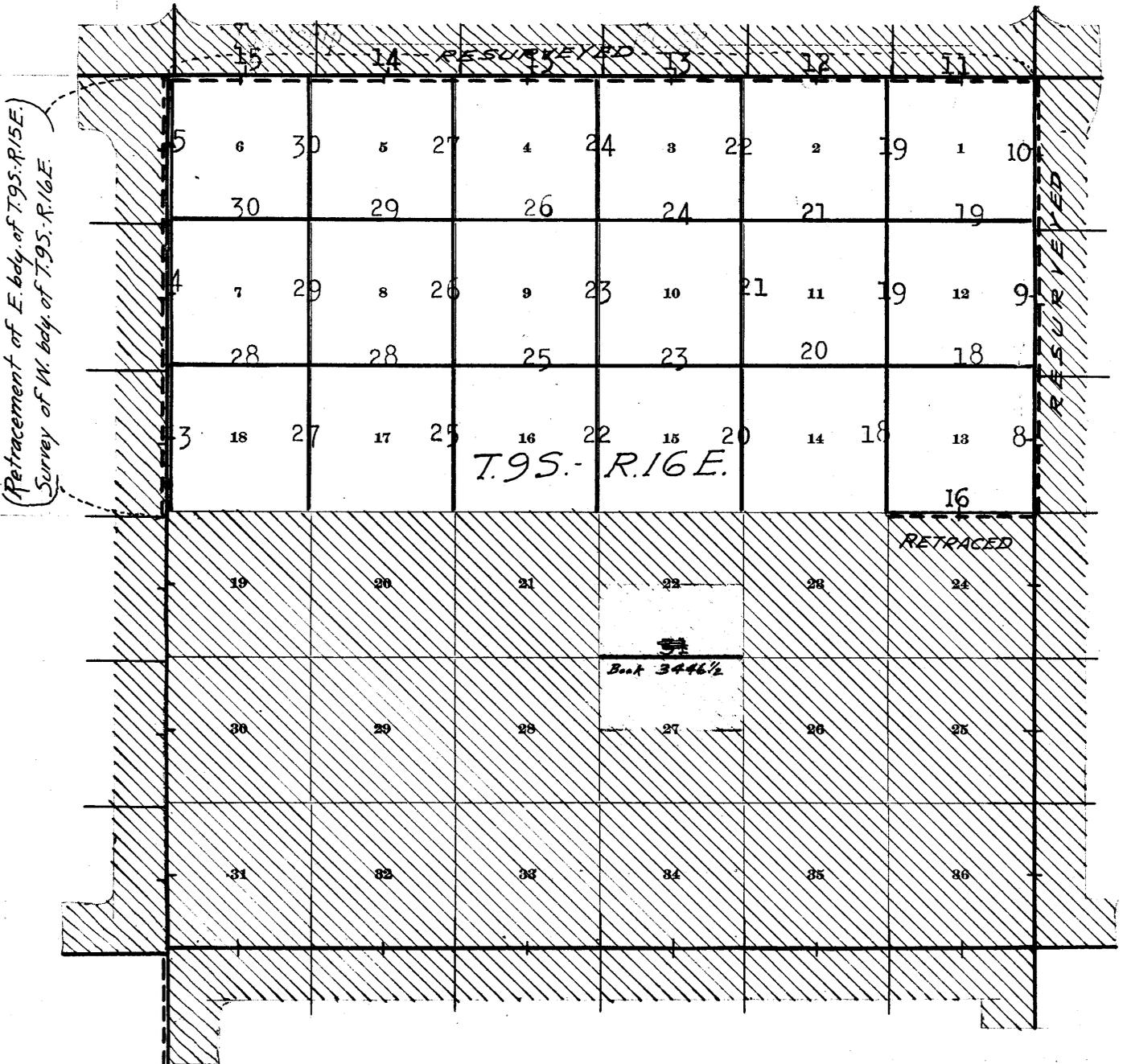
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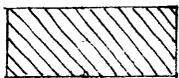
Book "T"

Group 81 - - - Arizona.

BOOK 3446

# INDEX DIAGRAM.



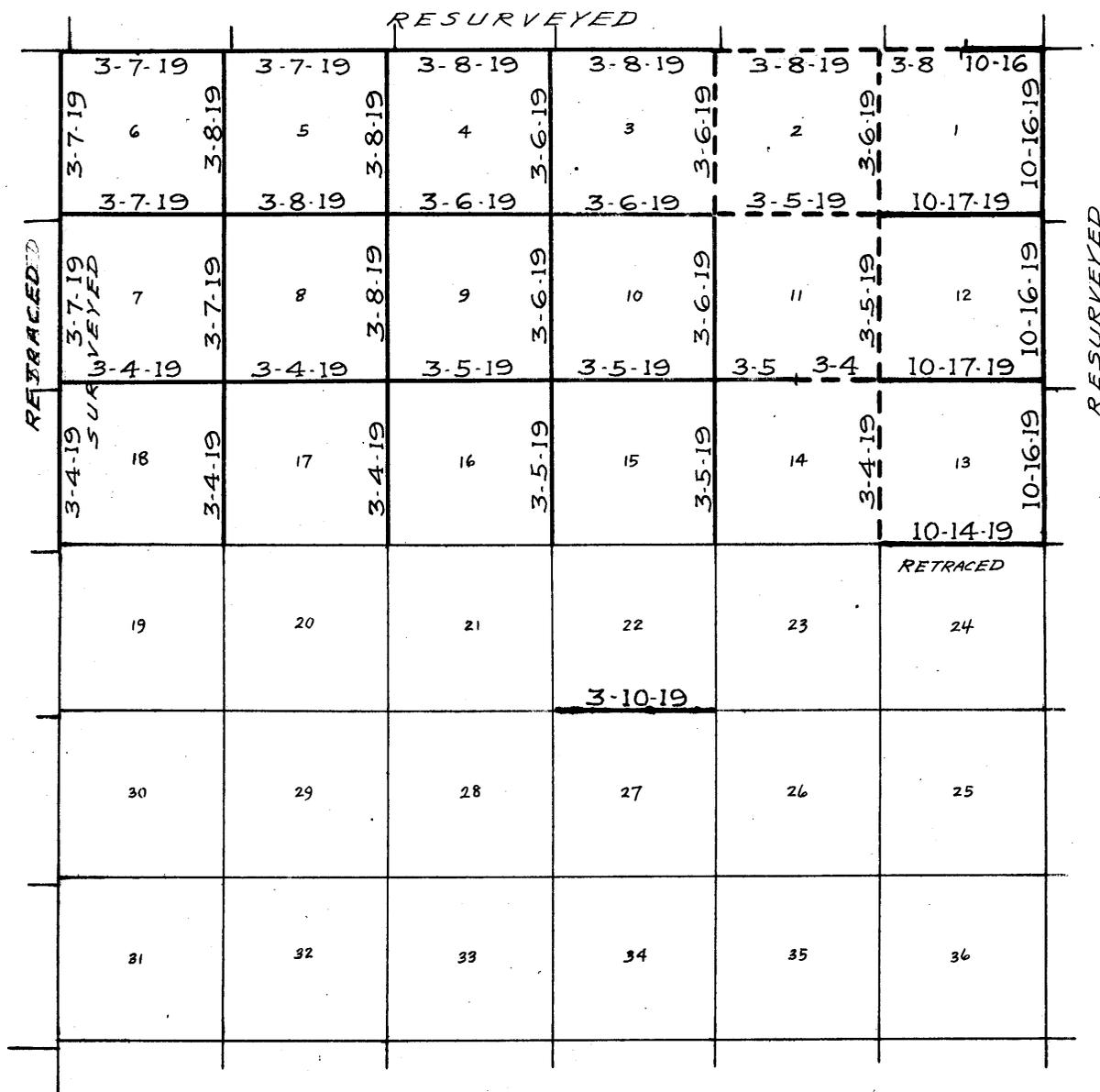
-  Lines surveyed under this group.
-  Lines retraced or resurveyed under this group.
-  Accepted surveys.
-  Areas surveyed as per accepted plats on file.

Book "T"

BOOK 3446

DATE DIAGRAM

Township 9 South Range 16 East



Black lines on above diagram indicate surveys executed by William H. Thorn, U. S. Cadastral Engineer, on dates shown thereon.

Dotted red lines on above diagram indicate surveys executed by Herbert N. Raymond, U. S. Cadastral Engineer, on dates shown thereon.

Blue lines on above diagram indicate surveys executed by Dupree R. Averill, U. S. Transitman, on dates shown thereon.

Retracement, resurvey and survey hereinafter described executed by William H. Thorn, and Herbert N. Raymond, U. S. Cadastral Engineers and Dupree R. Averill, U. S. Transitman, on dates shown on diagram on page 1 hereof, using respectively Young and Sons' light mountain transit No. 8592, W. and L. E. Gurley Transit "Memo G" and Young and Sons' light mountain transit No. 8541. Instrument No. 8592 is described, with certificate of approval by the Assistant Supervisor of Surveys, in Book "A"; the other two transits are described, with certificate of approval, in Book "U".

Test of Instrument No. 8592.

I examine the adjustment of the transit and correct all 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 at elongation, I proceed as follows:

Oct. 12, 1919: At my camp, near the center of sec. 15, T. 7 S., R. 13 E., G. and S. R. B. and M., in lat.  $32^{\circ}49\frac{1}{2}'N.$ , long.  $110^{\circ}59'W.$ , using the meridian determined as described in Book "P", at 9 hrs. 0 m., a.m., l.m.t., I set off  $32^{\circ}49\frac{1}{2}'N.$  on the lat. arc;  $7^{\circ}9'S.$  on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is  $7^{\circ}12\frac{1}{2}'S.$ , which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arc unchanged, I set off  $7^{\circ}15'S.$  on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations during the usual hours of solar work come within  $1'30''$  of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

Test of Gurley Instrument "Memo G" and Young and Sons 8541.

We examine the adjustments of the transits and correct all errors; then, to test the solar apparatus, by comparing their indications, resulting from solar observations, made during a.m. and p.m. hours, with a meridian determined by observations on Polaris at elongation, we proceed as follows:

Mar. 1, 1919: At our camp in sec. 3, T. 9 S., R. 16 E., G. and S. R. B. and M., in lat.  $32^{\circ}41'N.$ , long.  $110^{\circ}41\frac{1}{2}'W.$ , at 8 hrs. 48.4 m., p.m., l.m.t., we observe Polaris at western elongation, in accordance with the Manual of Instructions, and lay off the azimuth of Polaris,  $1^{\circ}20'$  to the east, marking a point in the meridian thus determined by a tack in a stake, firmly driven in the ground, 5 chs. N. of our station.

Mar. 2, 1919. At 9 hrs. 0 m., a.m., l.m.t., we set off  $32^{\circ}41'N.$  on the lat. arcs;  $7^{\circ}32\frac{1}{2}'S.$  on the decl. arcs; and determine a meridian with each solar, which in each case agrees with the true meridian.

At apparent noon, with the lat. arcs unchanged, we observe the sun on the meridian; the resulting reading of the decl. arc in each case is  $7^{\circ}36'S.$ , which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arcs unchanged, we set off  $7^{\circ}38\frac{1}{2}'S.$  on the decl. arcs and determine a meridian with each solar, which in each case agrees with the true meridian.

As all of the solar observations during the usual hours of solar work come within  $1'30''$  of the true meridian, we conclude that the adjustments of the instruments are satisfactory.

Retracement of N. 1/2 of E. bdy. of Township 9 South, Range 15 East, identical with survey of N. 1/2 of W. bdy. of T. 9 S., R. 16 E.

Chains.

The south 5 1/2 miles of the E. bdy. of T. 9 S., R. 15 E., was surveyed in September, 1904, by William B. Alexander, U.S.D.S., and the corners thereon established to refer to secs. and 1/4 secs. in T. 9 S., R. 15 E. only. The north half of East bdy. of sec. 1 was surveyed, and the south half of East bdy. of sec. 1 retraced in August, 1913, by Jesse B. Wright, U.S.S. No subsequent retracement or resurvey on the North half of East bdy. of T. 9 S., R. 15 E. being of record, the corners found in the retracement described below are therefore the original cors. referring to T. 9 S., R. 15 E. only, and as no corners referring to sections and quarter sections in T. 9 S., R. 16 E. have ever been established on such portion of the line, the establishment of such corners in connection with the retracement constitutes a survey of the north half of the west bdy. of T. 9 S., R. 16 E., identical in position with such retracement.

The original cor. of secs. 13 and 24, T. 9 S., R. 15 E. is a granite stone, 14x12x10 ins. above ground, firmly set, marked with 3 notches on each of N. and S. edges, and witnessed by a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor., and one bearing tree.

An oak, 6 ins. in diam., S. 77 1/4° W., 144 lks. dist., marked "T9S R15E S24 BT."

Thence, North, on random line.

3.79 Intersect the original closing cor. of secs. 18 and 19, T. 9 S., R. 16 E., hereinafter described.

40.06 Fall 7 lks. W. of original 1/4 sec. cor. of sec. 13, hereinafter described.

True course and dist. of S. 1/2 of E. bdy. of sec. 13 are therefore, N. 0° 6' E., 40.06 chs.

Continue line and measurement.

43.79 Set temp. 1/4 sec. cor. of sec. 18, T. 9 S., R. 16 E.

80.10 Fall 11 lks. W. of original cor. of secs. 12 and 13, T. 9 S., R. 15 E., hereinafter described.

True course and dist. of N. 1/2 of E. bdy. of sec. 13 are therefore N. 0° 3' E., 40.04 chs.

Continue line and measurement.

83.79 Set temp. cor. of secs. 7 and 18, T. 9 S., R. 16 E.

120.10 Fall 15 lks. W. of original 1/4 sec. cor. of sec. 12, T. 9 S., R. 15 E., hereinafter described.

True course and dist. of S. 1/2 of E. bdy. of sec. 12 are therefore, N. 0° 3' E., 40.00 chs.

Continue line and measurement.

123.79 Set temp. 1/4 sec. cor. of sec. 7, T. 9 S., R. 16 E.

160.10 Fall 18 lks. W. of original cor. of secs. 1 and 12, T. 9 S., R. 15 E., hereinafter described.

True course and dist. of N. half of E. bdy. of sec. 12 are therefore N. 0° 3' E., 40.00 chs.

Continue line and measurement.

163.79 Set temp. cor. of secs. 6 and 7, T. 9 S., R. 16 E.

200.11 Fall 22 lks. W. of original 1/4 sec. cor. of sec. 1, T. 9 S., R. 15 E., hereinafter described.

True course and dist. of S. 1/2 of E. bdy. of sec. 1 are therefore, N. 0° 3' E., 40.01 chs.

Continue line and measurement.

203.79 Set temp. 1/4 sec. cor. of sec. 6, T. 9 S., R. 16 E.

233.57 Fall 25 lks. W. of original closing cor. of Ts. 9 S., Rs. 15 and 16 E., hereinafter described.

True course and dist. of N. 1/2 of E. bdy. of sec. 1 are therefore N. 0° 3' E., 33.46 chs.

Return to original cor. of secs. 13 and 24, T. 9 S., R. 15 E., hereinbefore described.

Thence,

N. 0° 6' E., on true line, on E. bdy. of sec. 13 (S. 1/2).

Over rolling land, thru. scattering undergrowth.

.65 Wash, 10 lks. wide, course E.

3.79 Intersect the original closing cor. of secs. 18 and 19, T. 9 S., R. 16 E., which is a granite stone, 12x10x8 ins. above ground, firmly set, marked "CC" on E. face, 6

Retracement of North 1/2 of E. bdy. of Township 9 South, Range 15 E.  
4. identical with survey of N. 1/2 of W. bdy. of T. 9 S., R. 16 E.

Chains.

notches on E. edge, and 3 notches on each of N. and S. edges, and witnessed by 2 pits, one each NE. and SE. of cor. 5 1/2 ft. dist., and mound of earth 3 ft. base, 1 1/2 ft. high, E. of cor. No bearing trees.

Continue line and measurement,  
4.75 Point of spur, sloping NE.  
8.00 Gulch, course NE.; ascend over rolling E. slope.  
40.00 Intersect original 1/4 sec. cor. of sec. 13, T. 9 S., R. 15 E., which is a granite stone, 12x10x8 ins. above ground, firmly set, marked "1/4" on W. face, and witnessed by mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor. No bearing trees.

Thence,  
N. 0° 3' E., on true line, on E. bdy. of sec. 13 (N. 1/2).  
Over rolling land, thru. scattering undergrowth; ascend over rolling E. slope.  
3.00 Top of ridge, brs. NE. and SW. Thence along W. slope of same.  
3.73 (40.00 chs. northing from closing cor. of secs. 18 and 19), Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor. of sec. 18, T. 9 S., R. 16 E., marked on brass cap,

1/4 S18  
1919

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

Continue along rolling W. slope of ridge.  
13.00 Ascend gradual SW. slope.  
24.00 Spur, slopes NW.; descend gradually over NE. slope.  
40.04 Intersect the original cor. of secs. 12 and 13, T. 9 S., R. 15 E., which is a granite stone, 14x12x12 ins. above ground, firmly set, marked with 2 notches on N. edge, and 4 notches on S. edge, and witnessed by mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor. No bearing trees.

Land, rolling.  
Soil, gravelly, 3rd rate.  
No timber.  
Undergrowth, scattering catclaw and cactus.

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N. 0° 3' E., on true line, on E. bdy. of sec. 12.  
Over rolling land, thru. scattering undergrowth; descend NE. slope.  
3.69 (80.00 chs. northing from closing cor. of secs. 18 and 19), set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 7 and 13, T. 9 S., R. 16 E., marked on brass cap,

T9S  
S 7  
S18  
R16E  
1919

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

7.50 Wash, 30 lks. wide, course NW.; ascend SW. slope.  
20.00 Top of spur, slopes W.; descend NW. slope.  
40.00 Intersect the original 1/4 sec. cor. of sec. 12, T. 9 S., R. 15 E., which is a granite stone, 12x10x10 ins., above ground, firmly set, marked "1/4" on W. face, and witnessed by a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. No bearing trees.

Thence,  
N. 0° 3' E., on true line, on E. bdy. of sec. 12 (N. 1/2).  
Over rolling land, thru. scattering undergrowth; ascend SW. slope.

Retracement of North 1/2 of E. bdy. of Township 9 South, Range 15 E. identical with survey of N. 1/2 of W. bdy. of T. 9 S., R. 16 E. 5

Chains.

1.80 Top of ascent; descend NW. slope.  
3.69 (40.00 chs. N. 0°3'E. from cor. of secs. 7 and 18), Set an iron post; 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 7, T. 9 S., R. 16 E., marked on brass cap,

1/4 S 7

1919

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

4.50 Wash, 30 lks. wide, course W.; ascend.  
7.50 Top of ascent; descend gradually over NW. slope.  
32.50 Wash, 100 lks. wide, course NE.; ascend slightly over SE. slope.

35.75 Old road, brs. NE. and SW.  
40.00 Intersect the original cor. of secs. 1 and 12, T. 9 S., R. 15 E., which is a granite stone, 12x10x24 ins. above ground, firmly set in a mound of stone, marked with 1 notch on N. edge, and 5 notches on the S. edge, and witnessed by a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. No bearing trees.

Land, rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering catclaw and cactus.

N. 0°3'E., on true line, on E. bdy. of sec. 1.  
Over rolling land, thru. scattering undergrowth; ascend gradual SE. slope.

3.69 (80.00 chs. N. 0°3'E., from cor. of secs. 7 and 18), Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 6 and 7, T. 9 S., R. 16 E., marked on brass cap,

T9S  
S 6  
S 7  
R16E

1919

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

15.00 Top of ascent; descend gradual NE. slope.  
25.00 Wash, 20 lks. wide, course E.; ascend gradual S. slope.  
30.00 Top of ascent; descend gradual N. slope.  
37.00 Wash, 30 lks. wide, course E.; ascend gradual S. slope.

40.01 Low spur, slopes E. Intersect orig. 1/4 sec. cor. of sec. 1, T. 9 S., R. 15 E., which is a granite stone, 12x10x24 ins. above ground firmly set in a mound of stone, marked "1/4" on W. face, and witnessed by a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.

No bearing trees.  
Thence,  
N. 0°3'E., on a true line, on E. bdy. of sec. 1 (S. 1/2).  
Over rolling land, thru. scattering undergrowth; descend gradual N. slope.

3.68 (40.00 chs. N. 0°3'E. from cor. of secs. 6 and 7), Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 6, T. 9 S., R. 16 E., marked on brass cap,

1/4 S 6

1919

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

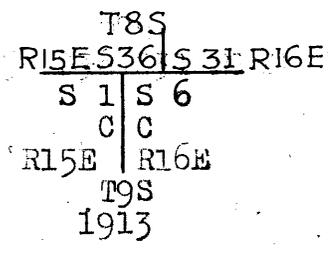
4.60 Wash, course E.; ascend over S. slope.  
11.20 Spur, slopes E.; descend over N. slope/  
21.63 Wash, course SE.; wire fence brs. WNW. and ESE.; ascend gradual SW. slope.

Retracement of N.  $\frac{1}{2}$  of E. bdy. of Township 9 South, Range 15 E.  
6 identical with survey of N.  $\frac{1}{2}$  of W. bdy. of T. 9 S., R. 16 E.

Chains.

29.30  
33.46

Spur, slopes SE.; descend gradual NE. slope.  
Intersect the original closing cor. of Ts. 9 S., Rs. 15 and 16 E., which is an iron post, 3 ins. in diam., 12 ins. above ground, firmly set, marked on brass cap,



and witnessed by a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high,  
S. of cor.  
No bearing trees.  
Land, rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering scrub mesquite, catclaw and cactus.



Chains.

Retracement for Resurvey:

The entire E. bdy. of T. 9 S., R. 16 E. was originally surveyed in November 1877, by John L. Harris, U.S.D.S., and the S. half of said line was resurveyed in October, 1904, by William B. Alexander, U.S.D.S., but as no retracement or resurvey of the north half of the line is of record, the corners found thereon as described in the following notes are the original cors.

The original cor. of secs. 13, 18, 19 and 24, Ts. 9 S., Rs. 16 and 17 E., which was reestablished in its original position in 1904, is a quartzite stone, 12x12x10 ins. above ground, firmly set, marked with 3 notches on each of N. and S. edges, and witnessed by a mound of stone, W. of cor. No bearing trees.

Thence,

40.00 North, on random line, on W. bdy. of sec. 18, T. 9 S., R. 17 E. Diligent search in this vicinity fails to reveal any evidence of the original  $\frac{1}{4}$  sec. cor. of secs. 13 and 18. Set temp.  $\frac{1}{4}$  sec. cor.

75.35 Fall 5.08 chs. W. of point of original location of cor. of secs. 7, 12, 13 and 18, determined by reference to the original accessory, a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high, W. of cor. point.

The original granite cor. stone 12x8x6 ins., marked with 2 notches on one edge, and 4 notches opposite, is lying on the ground at cor. point. No bearing trees.

True course and dist. of W. bdy. of sec. 18, T. 9 S., R. 17 E. are therefore N. 3° 51' E., 75.52 chs.

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North, on a random line, on W. bdy. of sec. 7 (S.  $\frac{1}{2}$ ).

40.31 Fall 55 lks. E. of the remains of the original  $\frac{1}{4}$  sec. cor. of secs. 7 and 12, which is a mound of stone, in which is set an old blazed post, on which the marking is so obliterated as to be illegible. No trace of original accessories remain. As no other evidence of the original  $\frac{1}{4}$  sec. cor. can be found, this post is accepted as marking the original position of the corner.

True course and dist. of S.  $\frac{1}{2}$  of W. bdy. of sec. 7 are therefore N. 0° 47' W., 40.31 chs.

Thence,

North, on random line.

40.00 Diligent search in this vicinity fails to reveal any evidence of the original cor. of secs. 1, 6, 7 and 12, Set temp. cor. of secs. 6 and 7, T. 9 S. R. 17 E.

Continue line and measurement.

80.00 Diligent search in this vicinity fails to reveal any evidence of the original  $\frac{1}{4}$  sec. cor. of secs. 1 and 6. Set temp.  $\frac{1}{4}$  sec. cor. of sec. 6.

115.04 Fall 88 lks. E. of the original cor. of Ts. 8 and 9 S., Rs. 16 and 17 E., established by Theo. F. White, U.S.D.S. in Nov. 1877, which is a quartzite stone, 14x14x9 ins. above ground, firmly set, marked with 6 notches on each of N., S., E. and W. edges, witnessed by a mound of stone S. of cor. No bearing trees. The record description of the accessories to this cor. gives pits, mound of earth and 1 bearing tree, but as no trace of same can be found, accept this cor. as the original.

The true course and dist. of Tp. bdy. from  $\frac{1}{4}$  sec. cor. of sec. 7 to this Tp. cor. are therefore N. 0° 26' W., 115.04 chs., which, to maintain original proportion for reestablishment of missing cors. referring to Tp. 9 S., R. 17 E. only, gives 38.46 chs., 38.46 and 38.12 chs., respectively, for N.  $\frac{1}{2}$  of W. bdy. of sec. 7, S.  $\frac{1}{2}$  of W. bdy. of sec. 6, and N.  $\frac{1}{2}$  of W. bdy. of sec. 6.

In the resurvey hereinafter described, the corners referring to secs. and quarter secs. in T. 9 S., R. 16 E. only are reestablished at such points on the Tp. bdy. as to produce intervals of 40.00 chs. between theoretical

Resurvey of  
8 . North half of East bdy. of Township 9 South, Range 16 East.

Chains.

E. and W. lines thru. such cors., and thru. cor. of secs. 13, 14, 23 and 24 of said Tp., placing fractional measurements on the S.  $\frac{1}{2}$  of E. bdy. of sec. 13, and N.  $\frac{1}{2}$  of E. bdy. of sec. 1.

RESURVEY.

From the original cor. of secs. 13, 18, 19 and 24, T. 9 S., R. 16 and 17 E., hereinbefore described, N.  $3^{\circ}51'E.$ , on true line on E. bdy. of sec. 13. Over mountainous land, thru. scattering undergrowth and timber.

- 2.90 Dry wash, 30 lks. wide, 2 ft. deep, course NE. Ascend 40 ft., over SE. slope.
- 7.80 Spur, slopes E.
- 9.73 Dry wash, 10 lks. wide, course E.
- 12.80 Ridge, brs. NE. and SW.
- 17.50 Dry wash, 40 lks. wide, course NE.
- 20.00 Spur, slopes NE.
- 26.61 Dry wash, 35 lks. wide, course NE.
- 32.09 Same wash, course N. from SE.; thence in said wash, to
- 36.00 Foot of spur, from SE., and junction of above wash with another wash, course NE.
- 36.44 At S. edge of wash, bearing NE. and SW., set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for witness cor. to the reestablished  $\frac{1}{4}$  sec. cor. of sec. 13, and also to the reestablished  $\frac{1}{4}$  sec. cor. of sec. 18, with brass cap, marked

WC	WC
$\frac{1}{4}$	$\frac{1}{4}$
S 13	S 18
1919	

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, E. of cor. Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Thence across wash, course NE.

- 37.76 (Midpoint of W. bdy. of sec. 18), true point for reestablishment of the  $\frac{1}{4}$  sec. cor. of sec. 18, falls in wash, course NE.
- 39.36 (40.00 chs. N. from theoretical E. and W. line thru. cor. of secs. 13, 14, 23 and 24, T. 9 S., R. 16 E.) True point for reestablishment of  $\frac{1}{4}$  sec. cor. of sec. 13 falls in same wash.
- 40.00 North edge of wash, brs. NE. and SW. Leave wash.
- 44.50 Dry wash, 10 lks. wide, course E.; ascend 55 ft., over SE. slope.
- 50.80 Spur, slopes E., 5.00 chs.
- 52.00 Descend 125 ft., over N. slope.
- 56.00 Wash, course W.
- 57.91 Foot of cliff, 40 ft. high, brs. E. and W.
- 58.20 Top of same cliff.
- 59.00 Descend 40 ft., over cliff, facing N.
- 61.90 Wash, 2.00 chs. wide, course NE.; ascend 170 ft., over broken S. slope.
- 70.00 Spur, slopes NE.
- 75.52 Intersect the point of original location of cor. of secs. 7, 12, 13 and 18, hereinbefore described, at which point reestablish the cor. to refer to secs. 7 and 18 only as follows: Reset the original cor. stone, 8 ins. in the ground, and alongside same, set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, in a mound of stone, for reestablished cor. of secs. 7 and 18 only, with brass cap, marked

T9S	T9S
S 7	S 7
S 18	S 18
R17E	R17E

. 1919

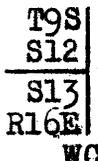
Resurvey of North half of East bdy. of Township 9 South, Range 16 East, 9

Chains.

Destroy old mound of stone, and raise a new mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor. Thence, N. 0° 47' W., on true line, continuing measurement of E. bdy. of sec. 13.

79.40  
79.45

Center of wash, 15 lks. wide, course NE. (80.00 chs. N. from theoretical E. and W. line, thru. cor. of secs. 13, 14, 23 and 24, T. 9 S., R. 16 E.), True point for reestablishment of cor. of secs. 12 and 13 falls in above noted wash; therefore, at a point 20 lks. N. 0° 47' W. from true point for cor., establish witness cor. as follows: Set an iron post, 3 ft. long, 2 ins. in diam., on bed rock, in a mound of stone, 5 ft. base, 2 1/2 ft. high, for witness cor. to reestablished cor. of secs. 12 and 13 only, marked on brass cap,



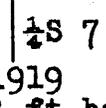
WC  
1919

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Land, mountainous. Soil, rocky & sandy, 3rd and 4th rate. Timber, scattering mesquite and ironwood. Undergrowth, scattering cactus, greasewood, scrub palo verde, yucca, chaparral and buckthorn. Dense at N. end of mile.

From true point for reestablished cor. of secs. 12 and 13, T. 9 S., R. 16 E. in wash, course NE., N. 0° 47' W., on true line on E. bdy. of sec. 12, T. 9 S., R. 16 E. Over mountainous land, thru. scattering timber and dense undergrowth.

0.05  
0.20  
6.67  
18.89  
27.49  
30.32  
36.38

Leave wash. Witness cor. to reestablished cor. of secs. 12 and 13, hereinbefore described. Ridge, brs. NE. and SW.; descend 105 ft., over NW. slope. Dry wash, 3.00 chs. wide, 2 ft. deep, course NE. Ascend 90 ft., over SE. slope. Spur, slopes E.; descend 60 ft., over N. slope. Dry wash, 50 lks. wide, course E. (40.31 chs. N. 0° 47' W. from cor. of secs. 7 and 18), Intersect the remains of the original 1/4 sec. cor. of secs. 7 and 12, hereinbefore described. Reestablish this cor. to refer to sec. 7 only, as follows: Destroy the remains of the old cor., and in same place Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished 1/4 sec. cor. of sec. 7 only, with brass cap, marked



1919

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor. Thence, N. 0° 26' W., on true line, continuing measurement of E. bdy. of sec. 12.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished 1/4 sec. cor. of sec. 12 only, with brass cap, marked



1919

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

40.60  
48.40  
54.30  
54.85  
59.40  
62.60  
64.90  
68.85  
72.40  
74.84

Dry wash, 500 lks. wide, 2 ft. deep, course NE. Canyon, course NE.; ascend 80 ft., over SE. slope. Spur, slopes E., 4.00 chs.; descend 20 ft., over N. slope. Dry wash, 10 lks. wide, 14 ft. deep, course E. Ascend 55 ft., over SE. slope. Spur, slopes NE.; descend 80 ft., over NW. slope. Dry wash, 1.00 ch. wide, course NE. Ascend 145 ft., over SE. slope. Spur, slopes NE.; descend 35 ft., over NW. slope. Wash, 4.00 chs. wide, course NE.; ascend 35 ft., over S. slope. Spur, slopes E. 1.00 ch. (Proportional dist. of 38.46 chs. N. 0° 26' W. from 1/4 sec. cor. of sec. 7), Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs.

10 Resurvey of N. 1/4 of East bdy. of Township 9 South, Range 16 East.

Chains.

6 and 7 only, with brass cap, marked

T9S  
S 6  
S 7  
R17E

1919

79.84  
80.00

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor.  
Across sandy bottom.  
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, with  
brass cap, marked

T9S  
S 1  
S 12  
R16E

1919

from which,

A palo verde, 8 ins. in diam., brs. S. 31° 45' W., 13 lks.  
dist., marked "T9SR16ES12BT."

A sahuaro cactus, 20 ft. high, brs. N. 34° W., 14 lks.  
dist.,

Land, mountainous. Soil, sandy and rocky, 3rd and 4th rate.  
Timber, scattering mesquite and ironwood.  
Undergrowth, dense cactus, greasewood, scrub palo verde,  
chaparral, yucca, buckthorn and sahuaro.

N. 0° 26' W., on true line, on E. bdy. of sec. 1.  
Over mountainous land, thru scattering timber and dense  
undergrowth.

1.55  
4.55  
16.85  
19.85  
22.65  
33.30

Ascend 90 ft., over SE slope.  
Spur, slopes NE.; descend 35 ft., over NW slope.  
Shallow wash, 30 lks. wide, course E.  
Spur, slopes NE.  
Wash, 30 lks. wide, course E.  
(Proportional dist. of 38.46 chs. N. 0° 26' W. from cor. of  
secs. 6 and 7), Set a granite stone, 16x9x6 ins., 12  
ins. in the ground, marked "1/4 S 6" on E. face for reestab-  
lished 1/4 sec. cor. of sec. 6 only.

35.80  
38.96  
40.00

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor.  
Spur, slopes NE.; descend 30 ft., over NW slope.  
Dry wash, 10 lks. wide, course E.  
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
the ground, for reestablished 1/4 sec. cor. of sec. 1  
only, with brass cap, marked

1/4 S 1

1919

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of  
corner.

46.30  
50.73  
52.30  
70.90  
71.42

Low ridge, brs. NE. and SW.  
Wash, 40 lks. wide, course E.  
Ridge, brs. E. and W.  
Dry wash, 150 lks. wide, course E.  
(38.12 chs. N. 0° 26' W. from 1/4 sec. cor. of sec. 6),  
Intersect the original cor. of Ts. 8 and 9 S., Rs. 16 and  
17 E., hereinbefore described.

Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
Timber, scattering mesquite and ironwood.  
Undergrowth, dense cactus, greasewood, scrub palo verde,  
catclaw, chaparral and sahuaro.

Resurvey of North bdy. of Township 9 South, Range 16 East. 11

Chains.

Retracement for Resurvey:

This line was surveyed by John L. Harris, U.S.D.S. in November, 1877, and no retracement or resurvey is of record.

From the original cor. of Ts. 8 and 9 S., Rs. 16 and 17 E., hereinbefore described, West, on random line, making diligent search for original cors., and setting temp.  $\frac{1}{4}$  sec. and sec. cors. at intervals of 40.00 chs.

475.60 Find no trace of any of the original corners, until at Fall 2.09 chs. N. of the cor. of Ts. 8 S., Rs. 15 and 16 E., originally established as cor. of Ts. 8 and 9 S., Rs. 15 and 16 E., but changed by Jesse B. Wright, U.S.S. in August, 1913, to its present designation and description, as follows:

A granite stone, 22x10x12 ins. above ground, firmly set, marked with 6 notches on each of N., E. and W. edges, and witnessed by mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

No bearing trees.

True course and dist. of line to this cor. are therefore S.  $89^{\circ}45'$  W., 475.60 chs., which, to maintain original proportion for reestablishment of missing cors. referring to T. 8 S., R. 16 E. only, gives 38.79 chs. for W.  $\frac{1}{2}$  of S. bdy. of sec. 31, and 39.71 chs. for all the other intervals.

From corner of Ts. 8 S., Rs. 15 and 16 E., S.  $89^{\circ}45'$  W. (record course), on random line, continuing measurement of N. bdy. of T. 9 S., R. 16 E.

477.83 Intersect the original closing cor. of Ts. 9 S., Rs. 15 and 16 E., hereinbefore described.

Resurvey:

Preliminary to the resurvey of this Tp. bdy., the meridional sec. line between the east two tiers of secs. in Ts. 9 S., R. 16 E. is surveyed due north from the cor. of secs. 13, 14, 23 and 24 of said Tp. to an intersection with the random N. bdy. thereof, where a temp. cor. of secs. 1 and 2 only is set, and at 40.00 chs. E. from said temp. sec. cor. a temp.  $\frac{1}{4}$  sec. cor. of sec. 1 only is set. In the resurvey hereinafter described the  $\frac{1}{4}$  sec. cor. of sec. 1 is reestablished on true line at 17 lks. S. of temp.  $\frac{1}{4}$  sec. cor. of sec. 1, and all other cors. referring to Ts. 9 S., R. 16 E. are reestablished on true line at intervals of 40 chs., S.  $89^{\circ}45'$  W. therefrom.

From the original cor. of Ts. 8 and 9 S., Rs. 16 and 17 E., hereinbefore described,

S.  $89^{\circ}45'$  W., on true line on N. bdy. of sec. 1. Over rolling land, thru. scattering undergrowth.

38.65 Wash, course NE.

39.71 (Proportional dist.), 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, with brass cap, marked

18 36

1919

39.80 Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Set a granite stone, 24x12x8 ins., 16 ins. in the ground, for reestablished  $\frac{1}{4}$  sec. cor. of sec. 1 only, marked " $\frac{1}{4}$ S1" on S. face, from which,

A palo verde, 5 ins. in diam., brs. S.  $27\frac{1}{2}^{\circ}$  E., 39 lks. dist., marked " $\frac{1}{4}$ S 1 Pt."

No other trees being available,

## 12 Resurvey of the North boundary of Township 9 South, Range 16 East

Chains.

73.60 Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, S. of cor.  
 Spur, slopes NE.  
 79.10 Wash, course NW.  
 79.42 (Proportional dist.), Set an iron post, 3 ft. long, 2 ins. in  
 diam., 24 ins. in the ground, for reestablished cor. of  
 secs. 35 and 36 only, with brass cap, marked

T8S	R16E
S35	S36

1919

79.80 Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 (40.00 chs. S.  $89^{\circ}45'$  W. from  $\frac{1}{4}$  sec. cor. of sec. 1), Set an iron  
 post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground,  
 for reestablished cor. of secs. 1 and 2 only, with brass  
 cap, marked

S 1	S 2
T9S	R16E

1919

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, S. of cor.  
 Land, rolling.  
 Soil, gravelly, 3rd rate.  
 No timber.  
 Undergrowth, scattering greasewood and scrub palo verde.

33.92 S.  $89^{\circ}45'$  W., on true line, on N. bdy. of sec. 2.  
 Over rolling land, thru. scattering undergrowth.  
 39.33 Wash, course NE.  
 (Proportional dist. of 39.71 chs. S.  $89^{\circ}45'$  W., from cor. of  
 secs. 35 and 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. 35 only, with brass cap, marked

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

1919

40.00 Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 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. 2 only,  
 with brass cap, marked

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

1919

68.62 Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, S. of cor.  
 Wash, course NE.  
 72.60 Road brs. NE. and SW.  
 79.04 (Proportional dist. of 79.42 chs. S.  $89^{\circ}45'$  W. from cor. of  
 secs. 35 and 36), Set an iron post, 3 ft. long, 2 ins.  
 in diam., 24 ins. in the ground, for reestablished cor.  
 of secs. 34 and 35 only, with brass cap, marked

T8S	R16E
S34	S35

1919

80.00 Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground, for reestablished cor. of secs. 2 and 3  
 only, with brass cap, marked

S 3	S 2
T9S	R16E

1919

Resurvey of North bdy. of Township 7 South, Range 16 East. 13

Chains.

Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.  
Land, rolling.  
Soil, gravelly, 3rd rate.  
No timber.  
Undergrowth, scattering greasewood and cactus.

S. 89° 45' W., on true line, on N. bdy. of sec. 3.  
Over rolling land, thru. scattering undergrowth.  
13.20 Ravine; course S.; ascend 35 ft., over E. slope.  
15.80 Spur, slopes S.; descend 25 ft., over W. slope.  
17.50 Ravine, course S.; ascend 60 ft., over SE. slope.  
28.50 Low spur, slopes S.  
29.90 Ravine, course SE.; ascend 110 ft., over SE. slope.  
38.75 (Proportional dist. of 39.71 chs., S. 89° 45' W. from cor. of  
secs. 34 and 35), Set an iron post, 3 ft. long, 1 in.  
in diam., 26 ins. in the ground, for reestablished ¼  
sec. cor. of sec. 34 only, with brass cap, marked

¼ S 34  
1919

40.00 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.  
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,  
with brass cap, marked

¼ S 3  
1919

40.60 Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.  
Telephone line, brs. NE. and SW.  
41.10 Ridge, brs. NE. and SW.  
Descend 150 ft., over NW. slope.  
61.55 Ravine, course NE.; ascend 145 ft., over SE. slope.  
69.85 Spur, slopes NE.  
78.46 (Proportional dist. of 79.42 chs. S. 89° 45' W. from cor. of  
secs. 34 and 35), Set an iron post, 3 ft. long, 2 ins.  
in diam., 24 ins. in the ground, for reestablished cor.  
of secs. 33 and 34, only, with brass cap, marked

T8S, R16E  
S33 | S34  
1919

80.00 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.  
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in  
the ground, for reestablished cor. of secs. 3 and 4, with  
brass cap, marked

S 4 | S 3  
T9 S | R16E  
1919

Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.  
Land, rolling.  
Soil, gravelly, 3rd rate.  
No timber.  
Undergrowth, scattering mesquite and arrowweed.

S. 89° 45' W., on true line, on N. bdy. of sec. 4.  
Over rolling land, thru. scattering undergrowth; descend 50  
ft., over NW. slope.  
4.75 Canyon, course NE.  
Ascend 130 ft., over SE. slope.  
10.45 Spur, slopes NE.; descend 25 ft., over NW. slope.  
13.56 Ravine, course NE.; ascend 90 ft., over SE. slope.  
21.16 Spur, slopes NE.; descend 120 ft. over NW. slope.  
27.45 Wash, course NE.

## 14 Resurvey of North bdy. of Township 9 South, Range 16 East.

Chains.	
38.17	(Proportional dist. of 39.71 chs. S 89° 45' W. from cor. of secs. 33 and 34), 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. 33 only, with brass cap, marked  $\frac{1}{4}$ S 33 1919
40.00	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. 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. 4 only, with brass cap, marked  $\frac{1}{4}$ S 4 1919
58.46	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor.
59.85	Wash, course E.
77.88	Wash, course NE.; road brs. NE. and SW. (Proportional dist. of 79.42 chs. S. 89° 45' W. from cor. of secs. 33 and 34), 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, with brass cap, marked  T8S   R16E S32   S33 1919
80.00	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 4 and 5 only, with brass cap, marked  S 5   S 4 T9S   R16E 1919
	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor. Land, rolling. Soil, gravelly, 3rd rate. No timber. Undergrowth, scattering greasewood and cactus. -----
10.88	S. 89° 45' W., on true line, on N. bdy. of sec. 5. Over rolling land, thru. scattering undergrowth.
23.08	Top of hill, brs. S. 50 lks. dist.
25.40	Road brs. N. and S.; adobe house brs. S.
28.98	Large ravine, 80 ft. deep, course S.
36.33	Spur, slopes S.
37.59	Spur, slopes S. (Proportional dist. of 39.71 chs. S. 89° 45' W. from cor. of secs. 32 and 33), 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. 32 only, with brass cap, marked  $\frac{1}{4}$ S 32 1919.
40.00	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. 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. 5 only, with brass cap, marked  $\frac{1}{4}$ S 5 1919
46.98	Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, S of cor. From this cor., a prospect tunnel brs. N. 8° E., 160 lks. dist. Spur, slopes S. Adobe house brs. S. 59° E.

## Resurvey of North bdy. of Township 9 South, Range 16 East. 15

Chains.

50.20 Ravine, 60 ft. deep, course S.  
 68.60 Road brs. NE. and SW.  
 72.80 Wash, 80 lks. wide, course SE.  
 77.30 (Proportional dist. of 79.42 chs., S. 89° 45' W. from cor. of  
 secs. 32 and 33), Set an iron post, 3 ft. long, 2 ins. in  
 diam., 24 ins. in the ground, for reestablished cor. of  
 secs. 31 and 32 only, with brass cap, marked

T8S	R16E
S31	S32

1919

79.17 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.  
 80.00 Point of spur, sloping E. from NW.  
 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground, for reestablished cor. of secs. 5 and 6 only,  
 marked on brass cap,

S 6	S 5
T9S	R16E

1919

Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.  
 Land, rolling.  
 Soil, gravelly, 3rd rate.  
 No timber.  
 Undergrowth, scattering greasewood and cactus.

0.50 S. 89° 45' W., on true line, on N. bdy. of sec. 6.  
 13.50 Over rolling land, thru. scattering undergrowth.  
 25.30 Head of ravine, course SE. Ascend.  
 30.30 Spur, slopes NE.  
 37.01 Enter broken land, draining N.  
 Wash, course N.  
 (Proportional dist. 39.71 chs. S. 89° 45' W. from cor. of secs.  
 31 and 32), Set an iron post, 3 ft. long, 1 in. in diam.,  
 26 ins. in the ground, for reestablished ¼ sec. cor. of  
 sec. 31 only, with brass cap, marked

¼ S. 31

1919

40.00 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.  
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the  
 ground, for reestablished ¼ sec. cor. of sec. 6, only, with  
 brass cap, marked.

¼ S 6
-------

1919

44.70 Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.  
 49.30 Short spur, slopes N.  
 52.00 Corral and cabin, brs. N. 15.00 chs. dist.  
 69.90 Fence brs. NE. and SW.  
 75.80 Spur, slopes SE.  
 (Proportional dist. of 38.79 chs., S. 89° 45' W., from ¼ sec. cor.  
 of sec. 31), Intersect the cor. of Ts. 8 S., Rs. 15 and 16  
 E., hereinbefore described.

78.03 Thence,  
 S. 89° 46' W., on true line, continuing measurement of N. bdy.  
 of sec. 6 (S. of sec. 36, T. 8 S., R. 15 E.)  
 (2.23 chs. S. 89° 46' W., from cor. of Ts. 8 S., Rs. 15 and 16 E.),  
 intersect the original closing cor. of Ts. 9 S., Rs. 15  
 and 16 E., hereinbefore described.  
 Land, rolling. Soil, gravelly, 3rd rate.  
 No timber.  
 Undergrowth, scattering greasewood and cactus.

## Retracement of part of Subdivision lines of T.9 S., R.16 E.

Chains.	
	<p>The subdivision lines of the south half of this township were surveyed in 1904, and no retracement or resurvey of the same is of record; therefore, the cors. thereof described below, are the original cors.</p> <p>The original cor. of secs. 13, 14, 23 and 24 was not established at the true point thereof, owing to said point falling on hard steep bank of ravine, and a witness cor. to said cor. was established at 1.20 chs. west from the true cor. point. This witness cor. is found, and is described as follows:</p> <p style="padding-left: 40px;">A sandstone, 12x8x6 ins. above ground, firmly set, marked with "WC", and 1 notch on E. face, and 3 notches on S. face, and with mound of stone 2 ft. base, 1½ ft. high, W. of cor.</p> <p>No bearing trees.</p> <p>From true point for cor. of secs. 13, 14, 23 and 24, N. 89° 50' E. (record course) on random line, bet. secs. 13 and 24 (W. ½).</p>
40.04	<p>Fall 47 lks. S. of true point for ¼ sec. cor. situated at 16 lks. N. 89° 50' E. from the original witness cor. thereto, which is a porphyry stone, 20x14x6 ins., marked "WC" on top, and "¼" on N. face, firmly set in a mound of stone, 2½ ft. base, 1½ ft. high, on a rock ledge with a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. No bearing trees.</p> <p>True course and dist. of W. ½ of line, bet. secs. 13 and 24 are therefore S. 89° 10' W., 40.04 chs.</p> <p>From true point for ¼ sec. cor., N. 89° 50' E. (record course) on random line, bet. secs. 13 and 24 (E. ½).</p>
35.86	<p>Fall 4 lks. S. of the original cor. of secs. 13, 18, 19 and 24, on E. bdy. of Tp., hereinbefore described.</p> <p>True course and dist. of E. ½ of line, bet. secs. 13 and 24 are therefore, S. 89° 46' W., 35.86 chs.</p> <p>From original cor. of secs. 13, 18, 19 and 24, on E. bdy. of Tp., S. 89° 46' W., on true line, bet. secs. 13 and 24 (E. ½).</p> <p>Over mountainous land, thru: dense undergrowth, and very scattering timber.</p>
4.86	<p>Descend NW. slope.</p> <p>Wash, 100 lks. wide, 2 ft. deep, course N.; ascend 28 ft., over NE. slope.</p>
7.35	<p>Top of low spur, slopes N.; descend 70 ft., over NW. slope.</p>
11.04	<p>Wash, 50 lks. wide, 1 ft. deep, course N. 60° E. from S. 70° W.; ascend 110 ft., over SE. slope.</p>
23.40	<p>Spur, slopes N. 60° E.; descend 115 ft., over broken NW. slope.</p>
33.67	<p>Smelter Wash, 200 lks. wide, 2 ft. deep, course N. 60° E.; ascend 40 ft., over SE. slope, to</p>
35.86	<p>Intersect point for ¼ sec. cor. of secs. 13 and 24, witnessed 16 lks. S. 89° 50' W., by witness cor., hereinbefore described.</p> <p>From true point for ¼ sec. cor., S. 89° 10' W., on true line, bet. secs. 13 and 24 (W. ½).</p> <p>Over mountainous land, thru. dense undergrowth; ascend 144 ft., over SE. slope.</p>
17.00	<p>Center of top of spur, 100 lks. wide, slopes N. 70° E.; descend 120 ft., over NW. slope.</p>
25.74	<p>Wash, 30 lks. wide, 2 ft. deep, course N. 20° E. from S. 70° W.; ascend 97 ft., over SE. slope.</p>
39.00	<p>Center of top of spur, 100 lks. wide, slopes N. 70° E.; descend 15 ft., over N. slope, to</p>
40.04	<p>True point for cor. of secs. 13, 14, 23 and 24, on steep bank at head of small gulch, course N., witnessed 1.20 chs. W. as hereinbefore described.</p> <p>Land, mountainous.</p> <p>Soil, gravelly and rocky, 3rd and 4th rate.</p> <p>Timber, very scattering mesquite.</p> <p>Undergrowth, dense cactus, catclaw, scrub palo verde, greasewood, yucca, Spanish dagger, sahuaros, chaparral, and buck thorn.</p> <p>Fair grass.</p>

Boundaries of North half of Township 9 South,  
Range 16 East.

Latitudes, Departures, and Closing Errors.

Line designated.	True course.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
Subdivisional Boundary,	S. 89° 46' W.	35.86			.15	35.86
	S. 89° 10' W.	40.04			.58	40.04
	West,	79.94				79.94
	N. 89° 59' W.	80.02	.02			80.02
	West,	79.92				79.92
	N. 89° 56' W.	80.06	.09			80.06
	West,	78.25				78.25
West boundary,	N. 0° 6' E.	36.27	36.27		.05	
	N. 0° 3' E.	193.51	193.51		.15	
North boundary,	N. 89° 46' E.	2.23	.01		2.23	
	N. 89° 45' E.	475.60	2.09		475.60	
East boundary,	S. 0° 26' E.	115.04		115.04	.88	
	S. 0° 47' E.	40.31		40.31	.55	
	S. 3° 51' W.	75.52		75.35		5.08
Convergency,					.23	
<u>Totals,</u>			231.99	231.43	479.69	479.17
			231.43		479.17	
<u>Error in latitude,</u>			0.56			
<u>Error in departure,</u>					0.52	

18 Survey of part of the  
Subdivision lines of Township 9 South, Range 16 East (N.  $\frac{1}{2}$ ).

Chains.

From the true point for cor. of secs. 13, 14, 23 and 24, witnessed as hereinbefore described,  
North, on true line, on Sectional Guide Meridian, between secs. 13 and 14.  
Over mountainous land, thru. dense undergrowth; descend in small gulch, course N.

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

$\frac{1}{4}$   
S14 | S13  
1919

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Ridge, brs. NW. and SE.  
47.00 Draw, course NE.  
50.00 Wash, course NE.  
74.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, with brass cap, marked  
80.00

T9S | R16E  
S11 | S12  
S14 | S13  
1919

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Land, rolling.  
Soil, gravelly, 3rd rate.  
No timber.  
Undergrowth, dense cactus, and palo verde.

---

40.00 East, on a random line, bet. secs. 12 and 13.  
Set temp.  $\frac{1}{4}$  sec. cor.  
81.12 Intersect the E. bdy. of Tp., 8 lks. N. of true point for reestablished cor. of secs. 12 & 13, hereinbefore described.  
Thence,  
N.  $89^{\circ}57'$  W., on a true line, bet. secs. 12 and 13.  
Over rolling land, thru. scattering timber and undergrowth.

2.00 Spur, slopes NE.  
23.30 Spur, slopes NE.; descend 70 ft., over NW. slope.  
26.87 Wash, 20 lks. wide, course NE.; ascend 80 ft., over E. slope.  
37.00 Spur, slopes NE.; descend 85 ft., over NW. slope.  
41.12 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked

$\frac{1}{4}$  S 12  
S 13  
1919

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
43.37 Wash, 40 lks. wide, course N.  
49.00 Enter wash, 1.00 ch. wide, course SE. from W. Thence in wash.  
52.20 Leave wash, course E. from SW.  
58.37 Same wash, 20 lks. wide, course; SE.; asc. 70 ft., over NE. slope.  
67.00 Spur, slopes N. 4.00 chs.  
69.02 Wash, 30 lks. wide, course NE.  
81.12 The cor. of secs. 11, 12, 13 and 14.  
Land, rolling.  
Soil, rocky, 4th rate.  
Timber, scattering mesquite.  
Undergrowth, scattering cactus, scrub palo verde, grease-wood, and sahuaro.

---

Part of the  
Subdivision lines of Township 9 South, Range 10 East (N. 1/2). 19

Chains.

North, on true line, on Sectional Guide Meridian, bet. secs. 11 and 12.

Over mountainous land, thru. dense undergrowth.

1.50 Ridge, brs. E. and W.

10.00 Wash, course NE.

18.50 Ridge, brs. E. and W.

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

1/4  
S11 | S12

1919

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

66.00 Ridge, brs. NW and SE,

70.00 Draw, course SE.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, in a mound of stone, for cor. of secs. 1, 2, 11 and 12, with brass cap, marked

T9S | R10E  
S 2 | S 1  
S11 | S12

1919

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

Land, mountainous.

Soil, sandy and gravelly, 3rd rate.

No timber.

Undergrowth, scattering cactus and catclaw.

S. 89° 57' E., on a random line, bet. secs. 1 and 12.

40.00 Set temp. 1/4 sec. cor.

80.44 Intersect the E. bdy. of the Tp., 7 lks. N. of the reestablished cor. of secs. 1 and 12, hereinbefore described.

Thence,

N. 89° 54' W., on a true line, bet. secs. 1 and 12.

Over rolling land, thru. scattering timber and undergrowth.

Ascend 100 ft. over SE. slope.

5.80 Spur, slopes NE.

27.50 Spur, slopes NW.

28.55 Wash, 40 lks. wide, course S.

34.00 Spur, slopes W.

40.44 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground, in a mound of stone, for 1/4 sec. cor., with brass cap, marked

1/4 S 1  
S12  
1919

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

80.44 The cor. of secs. 1, 2, 11 and 12.

Land, rolling.

Soil, rocky and sandy, 3rd and 4th.

Timber, scattering mesquite.

Undergrowth, scattering cactus, palo verde, greasewood, sahuaro and chaparral.

North, on true line, on Sectional Guide Meridian, bet. secs. 1 and 2.

Over mountainous land, thru. dense undergrowth.

10.00 Ridge, brs. E. and W.

20.00 Draw, course NE.

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

1/4  
S 2 | S 1

1919

Part of the  
20.2 Subdivision lines of Township 9 South, Range 16 E. (N.  $\frac{1}{2}$ ).

Chains.

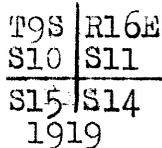
50.00 Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
Wash, course NE.  
51.50 Draw, course SW.  
65.00 Ridge, brs. NW. and SE.  
70.85 Intersect the N. bdy. of the Tp., at the reestablished cor.  
of secs. 1 and 2, hereinbefore described.  
Land, mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, dense mesquite, palo verde, catclaw, and cactus.

-----  
The original true point for cor. of secs. 14, 15, 22 and 23 is in small wash, course SE. The original witness cor. to this cor. is set at 1.20 chs. W. from cor. point, and is a quartz stone, 12x10x0 ins. above ground, firmly set, marked with 2 notches on E. edge, 3 notches on S. edge, and "WC" on NE. face, with a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

No bearing trees.  
From true point for sec. cor.,  
N.  $0^{\circ} 01'$  W., bet. secs. 14 and 15.  
Over rolling land, thru. scattering undergrowth.  
3.40 Spur, slopes E.; descend 35 ft., over N. slope.  
5.40 Short draw, course E.; ascend 35 ft., over SE. slope.  
11.30 Spur, slopes NE.; descend 40 ft., over N. slope.  
20.00 Bottom of descent.  
33.40 Spur, slopes NE.; descend 90 ft., over N. slope.  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked

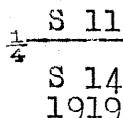


50.20 Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
Short spur, slopes E.  
56.00 Spur, slopes E.  
61.10 Ravine, course E.  
68.90 Spur, slopes NE.  
71.00 Draw, course NE.  
76.80 Spur, slopes E.  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, with brass cap, marked



Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
Land, rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering catclaw, palo verde and cactus.

40.00 East, on a random line, bet. secs. 11 and 14.  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.96 Intersect N. and S. line, 23 lks. S. of the cor. of secs. 11, 12, 13 and 14.  
Thence,  
S.  $89^{\circ} 50'$  W., on a true line, bet. secs. 11 and 14.  
Over rolling land, thru. scattering undergrowth.  
39.98 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked



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

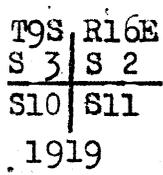
Subdivision lines of Township 9 South, Range 16 East (N.  $\frac{1}{2}$ ).

Chains.  
 56.00 Old road, brs. NE. and SW.  
 63.80 Spur, slopes NE.  
 72.80 Draw, course NE.  
 75.00 Short spur, slopes NE.  
 79.96 The cor. of secs. 10, 11, 14 and 15.  
 Land, rolling.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 No timber.  
 Undergrowth, scattering catclaw, palo verde and cactus.

-----  
 N. 0° 01' W., bet. secs. 10 and 11.  
 Over rolling land, thru. scattering undergrowth.  
 1.50 Wash, 30 lks. wide, course NE.  
 Ascend 40 ft., over N. slope.  
 13.00 Spur, slopes NE.  
 16.90 Draw, course NE.  
 20.00 Spur, slopes NE  
 25.20 Draw, course NE.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked.

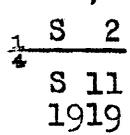


42.80 Raise a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high, W. of cor.  
 Ravine, course NE.  
 47.70 Spur, slopes NE.  
 52.60 Wash, 30 lks. wide, course E.  
 66.40 Spur, slopes NE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, with brass cap, marked



Raise a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high, W. of cor.  
 Land, rolling.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 No timber.  
 Undergrowth, scattering catclaw and cactus.

-----  
 N. 89° 50' E., on a random line, bet. secs. 2 and 11.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.00 Intersect N. and S. line, 3 lks. S. of the cor. of secs. 1, 2, 11 and 12.  
 Thence,  
 S. 89° 49' W., on a true line, bet. secs. 2 and 11.  
 Over rolling land, thru. scattering undergrowth.  
 6.50 Ridge, brs. N. and S.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked



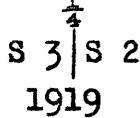
Raise a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high, N. of cor.  
 40.70 Wash, course NE.  
 45.70 Ridge, brs. NE and SW.  
 50.00 Wash, course NE.  
 60.00 Draw, course N.  
 72.50 Ridge, brs. NW. and SE.  
 80.00 The cor. of secs. 2, 3, 10 and 11.  
 Land, rolling.  
 Soil, gravelly and rocky, 3rd and 4th rate.

22 Part of Subdivision lines of Township 9 South, Range 16 East (N. 1/2)

Chains.

No timber.  
Undergrowth, scattering catclaw and cactus.

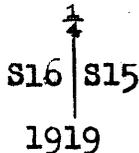
40.00 N.0° 01' W., on a random line, bet. secs.2 and 3.  
Set temp. 1/4 sec.cor.  
70.92 Intersect the N. bdy.of the Tp., at the reestablished cor.  
of secs.2 and 3, hereinbefore described.  
Thence,  
S.0° 01'E., on a true line, bet. secs. 2 and 3.  
Over rolling land, thru. scattering undergrowth.  
3.65 Road brs. NW. and SE.  
22.00 Road brs.NE. and SW.  
30.92 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in  
the ground, for 1/4 sec.cor., with brass cap, marked



37.00 Raise a mound of stone, 2 ft.base, 1 1/2 ft.high, W of cor.  
Wash, course NE.  
60.00 Wash, course NE.  
70.92 The cor.of secs.2, 3, 10 and 11.  
Land, rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering catclaw, and cactus.

The original cor.of secs.15,16,21 and 22, is a granite  
stone, 12x12x6 ins. above ground, firmly set, marked  
with 3 notches on each of E. and S. edges, and witness-  
ed by 4 pits, one in each sec., and mound of earth, 4  
ft.base, 2 ft. high, W.of cor. No bearing trees.

Thence,  
N.0° 01'W., bet. secs. 15 and 16.  
Over rolling land, thru. scattering undergrowth.  
2.90 Spur, slopes E.  
8.20 Wash, 50 lks.wide, course E.  
17.50 Spur, slopes E.  
20.10 Ravine, course E.  
22.10 Short spur, slopes E.  
23.20 Draw, course E.  
29.10 Ravine, course E.  
36.80 Spur, slopes E.  
40.00 Set an iron post 3 ft.long, 1 in. in diam., 26 ins. in the  
ground, for 1/4 sec.cor., with brass cap, marked



41.70 Raise a mound of stone, 2 ft.base, 1 1/2 ft.high, W.of cor.  
Draw, course E.  
45.70 Spur, slopes E.  
48.60 Draw, course E.  
54.60 Spur, slopes E.  
59.00 Draw, course E.  
63.00 Spur, slopes E.  
77.10 Spur, slopes NE.  
80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 24 ins. in the  
ground, for cor.of secs.9, 10, 15 and 16, with brass  
cap, marked

Part of Subdivision lines of Township 9 South, Range 16 E (N. 1. 23

Chains.

on brass cap,

T9S	R16E
S 9	S10
S16	S15
1919	

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Land, rolling.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 No timber.  
 Undergrowth, scattering catclaw and cactus.

40.00  
80.08

S. 89°59'E., on a random line, bet. secs. 10 and 15.  
 Set temp. ¼ sec. cor.  
 Intersect N. and S. line, 7 lks. S. of the cor. of secs. 10,  
 11, 14 and 15.

5.00  
30.00  
40.04

Thence  
 S. 89°58'W., on a true line, bet. secs. 10 and 15.  
 Over rolling land, thru. scattering undergrowth.  
 Wash, course NE.  
 Wash, course E.  
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for ¼ sec. cor., with brass cap, marked

¼	S 10
	S 15
	1919

53.60  
61.80  
77.10  
80.08

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.  
 Spur, slopes NE.  
 Wash, 30 lks. wide, course NE.  
 Spur, slopes NE.  
 The cor. of secs. 9, 10, 15 and 16.  
 Land, rolling.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 No timber.  
 Undergrowth, scattering catclaw and cactus.

7.00  
8.00  
13.00  
18.00  
32.90  
40.00

N. 0°01'W., bet. secs. 9 and 10.  
 Over rolling land, thru. scattering undergrowth.  
 Wash, 30 lks. wide, course NE.  
 Enter road, brs. SW. and N. Thence in road.  
 Leave road, brs. S. and NW.  
 Wash, 30 lks. wide, course NW.  
 Hill brs. E. 5.00 chs. dist.  
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for ¼ sec. cor., with brass cap, marked

¼	S 9	S10
	1919	

56.00  
56.60  
58.10  
60.00  
73.40  
78.20  
80.00

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Wash, course NE.  
 Old road brs. E. and W.  
 Spur, slopes E.  
 Prospect shaft, brs. W. 7.00 chs. dist.  
 Spur, slopes E.  
 Road brs. E. and W.  
 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground, for cor. of secs. 3, 4, 9 and 10, with brass  
 cap, marked

T9S	R16E
S 4	S 3
S 9	S10
1919	

24 Part of Subdivision lines of Township 9South, Range 16 E. (N. 1/2).

Chains.

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
Land, rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering catclaw and cactus.

40.00 N. 89° 58' E., on a random line, bet. secs. 3 and 10.  
Set temp. 1/4 sec. cor.  
80.16 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 2,  
3, 10 and 11.  
Thence,  
S. 89° 56' W., on a true line, bet. secs. 3 and 10.  
Over rolling land, thru. scattering undergrowth.  
5.00 Ravine, course NE.  
22.80 Spur, slopes NE.  
29.30 Ravine, course N.  
32.60 Spur, slopes N.  
40.00 Well, brs. N. 39 1/2° E., about 40.00 chs. dist.  
40.08 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the  
ground, for 1/4 sec. cor., with brass cap, marked

1/4 S 3  
S 10  
1919

42.40 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.  
46.60 Spur, slopes NE.  
52.40 Ravine, course NE.  
58.90 Spur, slopes NE.  
61.00 Wash, course N.  
68.60 Wash, course N.  
69.70 Road, brs. N. and S.  
70.20 Wash, course NE.  
80.16 Road brs. NE. and SW.  
The cor. of secs. 3, 4, 9 and 10.  
Land, rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering catclaw and cactus.

40.00 N. 0° 01' W., on a random line, bet. secs. 3 and 4.  
Set temp. 1/4 sec. cor.  
70.55 Intersect the N. bdy. of the Tp., 18 lks. W. of the reestab-  
lished cor. of secs. 3 and 4, hereinbefore described.  
Thence,  
S. 0° 07' W., on a true line, bet. secs. 3 and 4.  
Over rolling land, thru. scattering undergrowth.  
1.45 Hill, slopes NW.  
2.95 Ravine, course NW.  
9.75 Top of hill.  
19.80 Ridge, brs. NE. and SW.  
30.55 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
the ground, for 1/4 sec. cor., with brass cap, marked

S 4 1/4 S 3  
1919

46.75 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
49.05 Spur, slopes NE.  
58.65 Ravine, course NE.  
70.55 Spur, slopes NE.  
The cor. of secs. 3, 4, 9 and 10.  
Land, rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering catclaw and cactus.

Part of Subdivision lines of Township 9 South, Range 16 E. (N. 1/2). 25

Chains.

The original true point for cor. of secs. 16, 17, 20 and 21, is on steep left bank of wash, course SE. The original witness cor. to this cor. is set at 2.75 chs. E. from cor. point, and is a granite stone, 14x12x6 ins. above ground, firmly set, marked "WC" on top, and 4 notches on E. edge, and 3 notches on S. edge, with a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. No bearing trees.

From true point for sec. cor.,  
N. 0° 02' W., bet. secs. 16 and 17.  
Over rolling land, thru. scattering undergrowth.

- 6.00 Spur, slopes E.
- 15.35 Ravine, course NE.
- 23.00 Spur, slopes E., 2.00 chs.
- 25.30 Draw, course E.
- 34.90 Spur, slopes E.
- 39.70 Short draw, course E.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground, in a mound of stone, for 1/4 sec. cor., with brass cap, marked

1/4  
S17 | S16  
1919

- 41.90 Spur, slopes E.
- 45.10 Fence brs. NE. and SW.; ravine, course E.
- 46.90 Road brs. NE. and SW.
- 49.80 Spur, slopes NE.
- 51.90 Draw, course E.
- 57.40 Spur, slopes E.
- 61.90 Draw, course E.
- 65.50 Ridge, brs. E. and W.
- 69.50 Draw, course E.
- 71.80 Old road, brs. NE. and SW.
- 79.65 Telephone line, brs. NE. and SW.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, with brass cap, marked

T9S | R16E  
S 8 | S 9  
S17 | S16  
1919

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
Land rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering catclaw and cactus.

- 40.00 East, on a random line, bet. secs. 9 and 16.  
Set temp. 1/4 sec. cor.
- 80.30 Intersect N. and S. line, 20 lks. S. of the cor. of secs. 9, 10, 15 and 16.  
Thence,  
S. 89° 51' W., on a true line, bet. secs. 9 and 16.  
Over rolling land, thru. scattering undergrowth.
- 8.20 Fence cor. brs. S. 5 lks. dist.
- 10.00 Wash, course NE.
- 13.30 Road brs. NE. and SW.
- 35.30 Spur, slopes S.
- 38.70 Ravine, course SE.
- 39.75 Ravine, course SE.
- 40.15 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap, marked



Part of Subdivision lines of Township 9 South, Range 16 E (N<sup>1</sup>/<sub>2</sub>)

Chains.

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

$$\begin{array}{r} \frac{1}{4} \text{ S } 4 \\ \hline \text{S } 9 \\ 1919 \end{array}$$

42.90 Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
46.10 Low spur, slopes NE.  
59.30 Draw, course NE.  
62.80 Rocky point, slopes S.  
64.30 Ravine, course N.  
71.40 Top of rocky butte.  
71.70 Wash, course N.  
79.90 Old road, brs. N. and S.  
The cor. of secs. 4, 5, 8 and 9.  
Land, rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering catclaw and cactus.

40.00 N. 0° 02' W., on a random line, bet. secs. 4 and 5.  
70.29 Set temp.  $\frac{1}{4}$  sec. cor.  
Intersect the N. bdy. of the Tp., 2 lks. E. of the reestablished cor. of secs. 4 and 5, hereinbefore described.

Thence;  
5.00 S. 0° 03' E., on a true line, bet. secs. 4 and 5.  
12.00 Over rolling land, thru. scattering undergrowth.  
22.00 Wash, 50 lks. wide, course E.  
24.40 Top of hill, brs. W. 130 lks. dist.; descend 220 ft.  
30.29 Bottom of hill, brs. E. and W.  
Ravine, course NE.  
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked

$$\begin{array}{r} \frac{1}{4} \\ \text{S } 5 \text{ | } \text{S } 4 \\ \hline 1919 \end{array}$$

32.20 Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
42.10 Wash, 50 lks. wide, course NE.  
45.00 Spur, slopes S. 2.00 chs.  
60.70 Ravine, course E.  
65.80 Porphyry ledge, brs. NE. and SW.  
70.29 Wash, course NE.  
The cor. of secs. 4, 5, 8 and 9.  
Land, rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering catclaw, and cactus.

The original cor. of secs. 17, 18, 19 and 20 is a sandstone 10x8x6 ins. above ground, firmly set, marked with 5 notches on E. edge and 3 notches on S. edge, with a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. No bearing trees.

Thence,  
1.80 N. 0° 02' W., bet. secs. 17 and 18.  
5.00 Over rolling land, thru. scattering undergrowth.  
5.55 Draw, course NE.  
22.50 Spur, slopes NE.  
34.90 Draw, course E.  
40.00 Spur, slopes NE.  
Ravine, course NE.  
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked

28 Survey of part of Subdivision lines of T.9 S., R.16 E. (N. 1/2).

Chains.

S18 | S17  
1919

40.50 Raise a mound of stone 2 ft. base, 1 1/2 ft. high, W. of cor.  
Spur, slopes E.  
43.10 Draw, course E.  
48.20 Spur, slopes E.  
63.90 Ravine, course NE.  
72.80 Spur, slopes E.  
76.70 Ravine, course E.  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in  
the ground, for cor. of secs. 7, 8, 17 and 18, with brass  
cap, marked

T9S | R16E  
S 7 | S 8  
S18 | S17  
1919

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
Land, rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering catclaw and cactus.

40.00 S. 89° 50' E., on a random line, bet. secs. 8 and 17.  
Set temp. 1/4 sec. cor.  
80.18 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 8, 9,  
16 and 17.  
Thence,  
West, on true line, bet. secs. 8 and 17.  
Over rolling land, thru. scattering undergrowth.  
1.30 Ravine, course NE.  
9.80 Spur, slopes S.  
10.90 Spur, slopes NE.  
27.70 Ravine, course N.  
40.09 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
the ground, for 1/4 sec. cor., with brass cap, marked

S 8  
1/4  
S 17  
1919

42.20 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.  
Spur, slopes NE.  
50.00 Spur, slopes N.  
59.40 Ravine, course N.  
80.18 The cor. of secs. 7, 8, 17 and 18.  
Land, rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering catclaw and cactus.

40.00 West, on a random line, bet. secs. 7 and 18.  
Set temp. 1/4 sec. cor.  
77.90 Intersect the W. bdy. of the Tp., at the cor. of secs. 7 and  
18, hereinbefore described.  
Thence,  
East, on true line, bet. secs. 7 and 18.  
Over rolling land, thru. scattering undergrowth.  
3.00 Ravine, course NW.  
11.90 Ridge, brs. N. and S.  
28.60 Wash, 30 lks. wide, course N.  
37.90 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
the ground, for 1/4 sec. cor., with brass cap, marked

Part of Subdivision lines of Township 9 South, Range 16 E. (N. 1/2). 29

Chains.

1/4	S	7
	S	18
		1919

39.70 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.  
 Spur, slopes N.  
 43.50 Ravine, course N.  
 47.20 Ridge, brs. N. and S.  
 61.40 Ravine, course N.  
 70.40 Ridge, brs. N. and S.  
 77.90 The cor. of secs. 7, 8, 17 and 18.  
 Land, rolling.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 No timber.  
 Undergrowth, scattering catclaw and cactus.

N. 0° 02' W., bet. secs. 7 and 8.  
 Over rolling land, thru. scattering undergrowth.

1.70 Spur, slopes E.  
 6.20 Ravine, course E.  
 10.80 Spur, slopes E.  
 16.50 Ravine, course NE.  
 22.90 Spur, slopes NE.  
 31.20 Large ravine course NE.  
 35.90 Short spur, slopes E.  
 39.70 Ravine, course E.  
 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for 1/4 sec. cor., with brass cap, marked

	1/4	
S	7	S 8
		1919

62.00 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
 Ravine, course NE.  
 65.20 Spur, slopes E.  
 66.90 Ravine, course SE.  
 72.20 Conglomerate outcrop, brs. E. and W.  
 72.35 Spur, slopes NE.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in  
 the ground, for cor. of secs. 5, 6, 7 and 8, with brass  
 cap, marked

T9S	R16E
S 6	S 5
S 7	S 8
	1919

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
 Land, rolling.  
 Soil, gravelly and rocky, 3rd and 4th rate.  
 No timber.  
 Undergrowth, scattering catclaw and cactus.

40.00 East, on a random line, bet. secs. 5 and 8.  
 Set temp. 1/2 sec. cor.  
 80.10 Intersect N. and S. line, 10 lks. N. of the cor. of secs. 4, 5,  
 8 and 9.  
 Thence,  
 N. 39° 56' W., on a true line, bet. secs. 5 and 8.  
 Over rolling land, thru. scattering undergrowth.  
 10.00 Draw, course N.  
 13.80 Spur, slopes N.  
 16.20 Wash, course N.  
 22.50 Spur, slopes N.  
 24.90 Draw, course N.

30 Part of Subdivision lines of Township 9 S., R.16 E. (N.  $\frac{1}{4}$ ).

Chains	
27.40	Spur, slopes N.
28.80	Draw, course N.
29.60	Low spur, slopes N.
30.90	Ravine, course NE.
33.10	Spur, slopes NE.
36.80	Ravine, course NE.
40.05	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
	$\begin{array}{r} S \quad 5 \\ \hline \frac{1}{4} \quad S \quad 8 \\ 1919 \end{array}$
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
43.50	Spur, slopes NE.
45.00	Swale, slopes NE.
49.50	Spur, slopes NE.
52.60	Ravine, course NE.
55.90	Spur, slopes NE.
59.60	Ravine, course NE.
67.10	Ridge, brs. N. and S.
73.10	Ravine, course N.
76.50	Spur, slopes NE.
80.10	The cor. of secs. 5, 6, 7 and 8. Land, rolling. Soil, gravelly and rocky, 3rd and 4th rate. No timber. Undergrowth, scattering catclaw and cactus.
-----	
	West, on a random line, bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.03	Intersect the W. bdy. of the Tp., at the cor. of secs. 6 and 7, hereinbefore described.
	Thence, East, on a true line, bet. secs. 6 and 7. Over rolling land, thru. scattering undergrowth.
2.70	Old road, brs. NE. and SW.
4.80	Wash, 60 lks. wide; course N.
15.90	Spur, slopes NE.
31.70	Ravine, course NE.
38.03	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap, marked
	$\begin{array}{r} \frac{1}{4} \quad S \quad 6 \\ \hline S \quad 7 \\ 1919 \end{array}$
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
43.70	Spur, slopes NE.
60.90	Draw, course NE.
64.50	Spir, slopes NE.
67.30	Ravine, course N.
72.50	Spur, slopes NE.
77.85	Ravine, course NE.
78.03	The cor. of secs. 5, 6, 7 and 8. Land, rolling. Soil, gravelly and rocky, 3rd and 4th rate. No timber. Undergrowth, scattering catclaw and cactus.
-----	
	N. $0^{\circ}02'W.$ , on a random line, bet. secs. 5 and 6.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
69.96	Intersect the N. bdy. of the Tp., 10 lks. W. of the reestablished cor. of secs. 5 and 6, hereinbefore described.
	Thence, S. $0^{\circ}02'W.$ , on a true line, bet. secs. 5 and 6. Over rolling land, thru. scattering undergrowth.
0.50	Ravine, course SE.

Part of Subdivision lines of  
Township 9 South, Range 16 East (N.  $\frac{1}{2}$ )

Chains

- 1.50 Spur, slopes E.
- 3.60 Ravine, course E.
- 23.20 Spur, slopes NE.
- 26.90 Head of draw, course E.
- 29.96 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap, marked

$\frac{1}{4}$   
S 6  $\frac{1}{4}$  S 5  
1919

- Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 34.80 Draw, course E.
- 36.60 Spur, slopes E.
- 39.90 Wash, 30 lks. wide, course E.
- 45.30 Spur, slopes NE.
- 48.70 Rocky draw, course NE.
- 53.90 Spur, slopes NE.
- 58.00 Ravine, course E.
- 68.60 Spur, slopes NE.
- 69.85 Ravine, course NE.
- 69.96 The cor. of secs. 5, 6, 7 and 8.

Land, rolling.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering catclaw and cactus.

GENERAL DESCRIPTION.

- SURFACE: Mountainous in the eastern portion; balance rolling.
- SOIL: Sandy, gravelly and rocky, 2nd to 4th rate.
- UNDERGROWTH: Catclaw, cactus, sahuaro, mesquite, yucca, palo verde, chaparral, buckthorn, greasewood and arrowweed.
- TIMBER: Scattering mesquite and ironwood on the east bdy., and between secs. 1 and 12, and 12 and 13.
- EVIDENCE OF MINERAL: Prospect holes, etc. in sec. 9, and north of sec. 6.
- WATERING PLACES: Well in sec. 3.
- SETTLEMENT: Houses in secs. 5 and 9.
- INDUSTRY: The township can be used for grazing purposes.
- IMPROVEMENTS: Roads and fences as shown, and a telephone line in secs. 3, 4, 9, 16 and 17.



CERTIFICATE OF UNITED STATES TRANSITMAN

11-2-1921

I, Dupree R. Averill, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 81, Arizona bearing date of the 6th day of February, 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, ~~surveyed~~ **retraced** all those parts or portions of the North half of the East boundary of Township 9 South, Range 15 East, resurveyed all those parts or portions of the North boundary of Township 9 South, Range 16 East, and surveyed all those parts or portions of the North half of the West boundary of Township 9 South, Range 16 East, and of the Subdivision lines of Township 9 South, Range 16 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 **retracement, resurvey, and** said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 81, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such **retracement, resurvey, and survey.**

Date February 28, 1921 - -  
 Place Siam, California - -

*Dupree R. Averill*  
 U. S. Transitman

. 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.



FEB 21 1921

BOOK 3445

CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER

I, Herbert N. Raymond, U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 81, Arizona bearing date of the 6th day of February, 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, surveyed all those parts or portions of the North boundary of Township 9 South, Range 16 East, and surveyed all those parts or portions of the Subdivision lines of Township 9 South, Range 16 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 survey said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 81, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such resurvey and survey.

Date February 17, 1921
Place Olympia, Wash

Herbert N. Raymond
U. S. Cadastral Engineer

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.



## CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER

I, William H. Thorn, U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 81, Arizona bearing date of the 6th day of February, 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, ~~surveyed~~ <sup>retraced</sup> all those parts or portions of the Subdivision lines of Township 9 South, Range 16 East, resurveyed all those parts or portions of the North boundary, and of the North half of the East boundary of Township 9 South, Range 16 East, and surveyed all those parts or portions of the Subdivision lines of Township 9 South, Range 16 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 retracement, resurvey, and said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 81, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such retracement, resurvey, and survey.

Date May 16 1921

Place Chifton Arizona

*William H. Thorn*  
U. S. Cadastral Engineer

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, May 23, 1921

The foregoing field notes of the retracement of the North half of the East boundary of Township 9 South, Range 15 East, and part of the Subdivision lines of Township 9 South, Range 16 East, of the resurvey of the North boundary, and North half of the East boundary of Township 9 South, Range 16 East, and of the survey of the North half of the West boundary, and part of the Subdivision lines (completion) of Township 9 South, Range 16 East of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by William H. Thorn and Herbert N. Raymond, U. S. Cadastral Engineers, and Dupree R. Averill, U. S. Transitman

under special instructions dated Feb. 6, 1918, for Group 81, Arizona having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys retracements, resurveys and they describe, are hereby approved.

*Frank D. Frost*  
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.

3446 1/2

39 147

OR 16

Book "V"

4-679

BOOK 3446 1/2

DEC 17 1923

# FIELD NOTES

OF THE SURVEY OF ~~THE~~

*Part of the Subdivision lines (Completion) of*

*Township 9 South - Range 16 East*

*of the Gila and Salt River Base and Meridian,*

*In the State of ARIZONA*

EXECUTED BY

*Dupree R. Averill*

*U.S. Transitman*

*In the capacity of U. S. Surveyor, under instructions dated February 6, 1918, issued by the United States Surveyor General to govern surveys included in Group No. 81, which were approved by the Commissioner of the General Land Office, February 27, 1918 and Assignment Instructions dated February 7, 1919.*

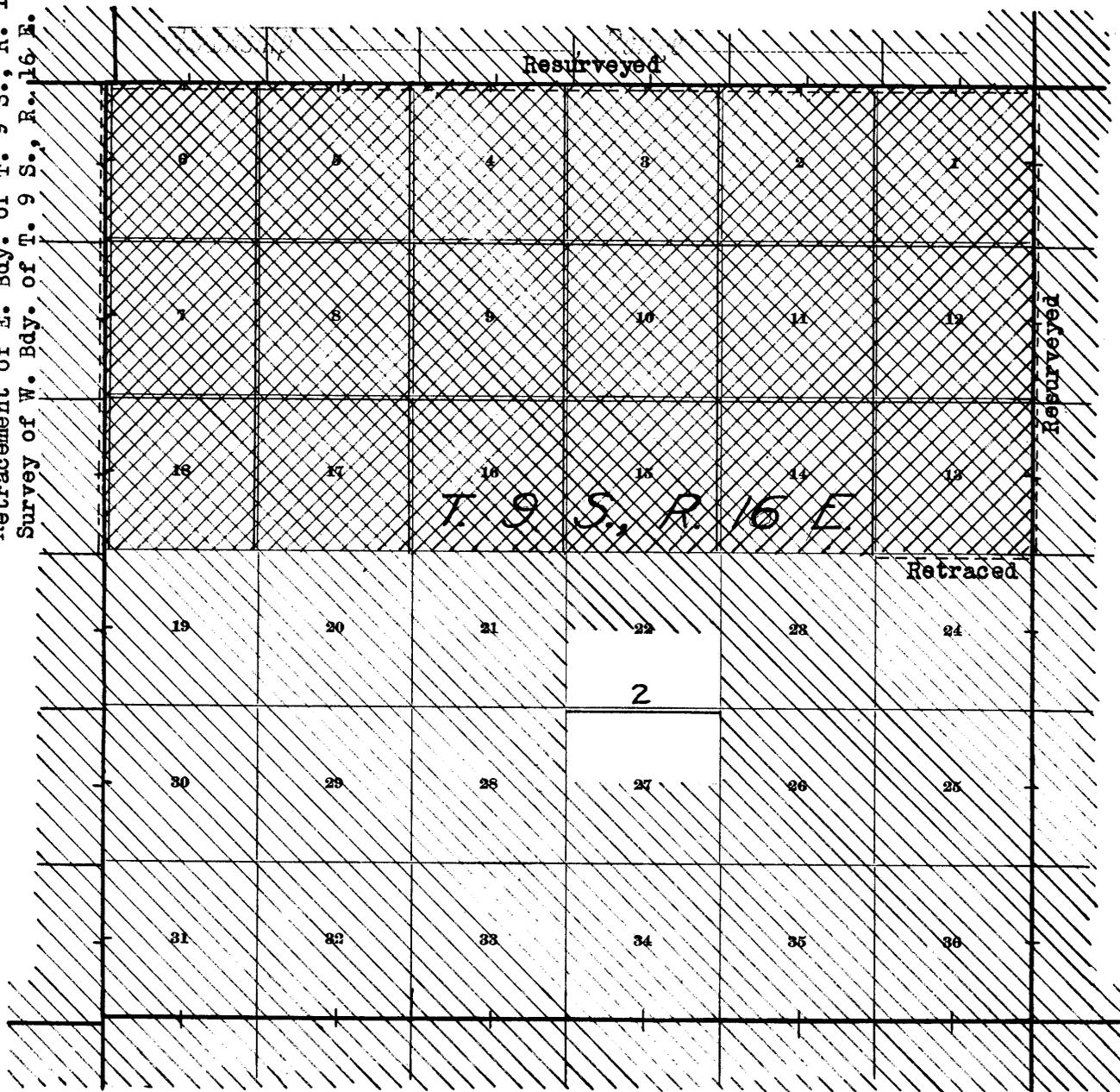
*Survey commenced March 10, 1919*

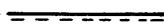
*Survey completed March 10, 1919*

BOOK 3443 1/2

# INDEX DIAGRAM.

Retracement of E. Bdy. of T. 9 S., R. 16 E.  
Survey of W. Bdy. of T. 9 S., R. 16 E.



-  *Lines surveyed under this group. Notes in this book.*
-  Lines surveyed under this Group. Notes in Book "T"  
(Accepted August 3, 1921)
-  Lines retraced or resurveyed under this Group. Notes in Book "T"  
(Accepted August 3, 1921)
-  Accepted surveys.
-  Areas surveyed previous to Group 81 as per accepted plats on file.
-  Areas surveyed under Group 81 (Accepted August 3, 1921)

Survey hereinafter described executed by Dupree R. Averill, U. S. Transitman on March 10, 1919, using Young and Sons' light mountain transit No. 8541, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Phoenix, Arizona, found correct and was approved by the Assistant Supervisor of Surveys for Arizona and California, February 16, 1919.

All measurements are made with a Lufkin 5 ch. steel tape compared with a Chesterman Standard Steel tape and found correct. Measurements are made on the slopes, vertical angles determined with clinometer, and slope measurements properly reduced to true horizontal distances.

Test of Instrument No. 8541.

Examine the adjustment of the transit, and correct all 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 at elongation, proceed as follows:

Mar. 1, 1919: At camp in sec. 3, T. 9 S., R. 16 E., G. and S. R., B. and M., in lat.  $32^{\circ} 41' N.$ ,  $110^{\circ} 41\frac{1}{2}' W.$ , at 8 h. 48.4 m. p.m., l.m.t.; observe Polaris at western elongation, in accordance with the Manual of Instructions, and lay off the azimuth of Polaris,  $1^{\circ} 20'$  to the east, marking a point in the meridian thus determined by a tack in a stake, formly driven in the ground, 5 chs. N. of station.

Mar. 2, 1919. At 9 h. 0 m. a.m., l.m.t., set off  $32^{\circ} 41' N.$  on the lat arc;  $7^{\circ} 32\frac{1}{2}' S.$  on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is  $7^{\circ} 36' S.$ , which is the computed decl. of the sun.

At 3 h. 0 m. p.m., l.m.t., with the lat. arc unchanged, set off  $7^{\circ} 38\frac{1}{2}' S.$  on the decl. arc and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations during the usual hours of solar work come within  $1' 30''$  of the true meridian, conclude that the adjustment of the instrument is satisfactory.

=====

Survey of part of the Subdivision Lines of Township 9 South, Range 16 East (completion)

2.

Chains The true point for cor. of secs. 21, 22, 27 and 28 is witnessed at a point 10.00 chs. N. 0° 2' W. therefrom, by a quartz stone, 14 x 8 x 4 ins. above ground, firmly set, marked "WC" on NE. face, 2 notches on S. edge and 3 notches on E. edge, and witnessed by a mound of stone, W. of cor. No bearing trees.

The west half of line, bet. secs. 22 and 27 passes over a very rough, broken surface, which renders chaining impracticable; therefore, obtain measurement of such portion of the line by means of an offset line, described as follows:

From witness cor. to cor. of secs. 21, 22, 27 and 28, East, 39.50 chs. to offset point in sec. 22.

Thence, S. 0° 2' E., 10.00 chs. to point on random sec. line, 39.50 chs. E. from true point for cor. of secs. 21, 22, 27 and 28.

39.50 Offset point on random line. Continue line and measurement.

40.00 Set temp. 1/4 sec. cor.

79.70 Intersect N. and S. line, 18 lks. N. of the cor. of secs. 22, 23, 26 and 27, which is a granite stone 12 x 10 x 8 ins. above ground, firmly set, marked with 2 notches on each of E. and S. edges, and witnessed by a mound of stone, W. of cor. No bearing trees.

Thence, N. 89° 52' W., on true line, bet. secs. 22 and 27. Over rolling and broken land, thru. scattering undergrowth. Descend.

1.50 Draw, course NE. Ascend.

6.80 Short spur, slopes NE. Descend.

7.50 Enter ravine, course NE. from W. Thence ascend in bottom of ravine.

17.20 Leave bottom of ravine, course E. from SW. Ascend.

30.00 Spur, slopes NE. Descend.

34.90 Drain, course N. Ascend.

39.85 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 22  
1/4 S 27  
1919

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Ascend.

40.20 Spur, slopes N. Offset point. Leave sec. line, and complete mile measurement on offset line described as follows:

N. 0° 2' W., 10.00 chs. on offset line into sec. 22. Descending along top of spur to offset point.

Thence, N. 89° 52' W., 39.50 chs. on offset line in sec. 22, parallel to and 10 chs. N. from true position of sec. line.

Measurement from offset point to topographical features as follows:

1.90 Draw, course NE. Ascend.

18.80 Spur, slopes NE. Descend.

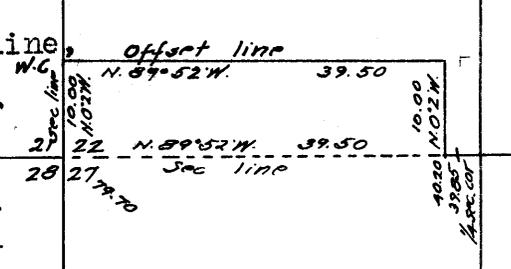
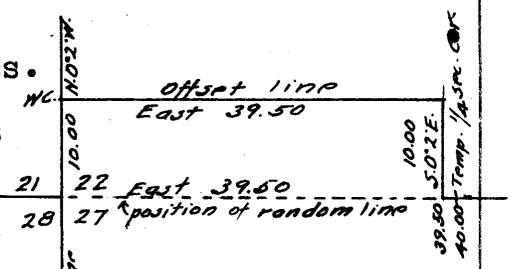
25.10 Ravine, course N. Ascend.

28.70 Spur, slopes NE. Descend.

37.50 Wash, course NE. Ascend.

39.50 Intersect witness cor. to cor. of secs. 21, 22, 27 and 28.

79.70 Intersect witness cor. to cor. of secs. 21, 22, 27 and 28.



Land, rolling, broken and mountainous.  
Soil, gravelly and rocky, 3rd and 4th rate.  
No timber.  
Undergrowth, scattering mesquite, catclaw and cacti.

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For General Description of this Township see Book "T"  
of this group.

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154 45

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CERTIFICATE OF UNITED STATES TRANSITMAN.

I, Dupree R. Averill, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 81, Arizona, bearing date of the 6th day of February, 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, surveyed all those parts or portions of

the subdivision lines of Township 9 South, Range 16 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 that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 81, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Date December 6, 1921 Dupree R. Averill U. S. Transitman.

Place St. George, Utah APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona, Dec. 17, 1921.

The foregoing field notes of the survey of Part of the Subdivision lines (line between secs 22 and 27) of Township 9 South, Range 16 East of the Gila and Salt River Base and Meridian, in the State of Arizona

executed by Dupree R. Averill, U. S. Transitman, under his special instructions dated Feb. 6, 1918, for Group 81, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank R. Smith 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.