

215  
ORIG  
16511E

# FIELD NOTES

OF THE RESURVEY OF THE

Third Standard Parallel South, through Part of Range 11 East,

WEST BOUNDARY,

SOUTH BOUNDARY,

Part of the EAST BOUNDARY, and

Part of the SUBDIVISION LINES,

AND OF THE SURVEY OF

Part (Completion) of the SUBDIVISION LINES of

TOWNSHIP 16 SOUTH, RANGE 11 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

WILLIAM H. THORN, U. S. CADASTRAL ENGINEER,

In the capacity of U. S. Surveyor, under Special Instructions dated May 31, 1921, issued by the United States Surveyor General to govern surveys included in Group No. 117, Arizona, which were approved by the Commissioner of the General Land Office, June 27, 1921, and Assignment Instructions dated October 1, 1921.

Resurvey & Survey commenced October 17, 1921.

Resurvey & Survey completed October 31, 1921.

3598

3598

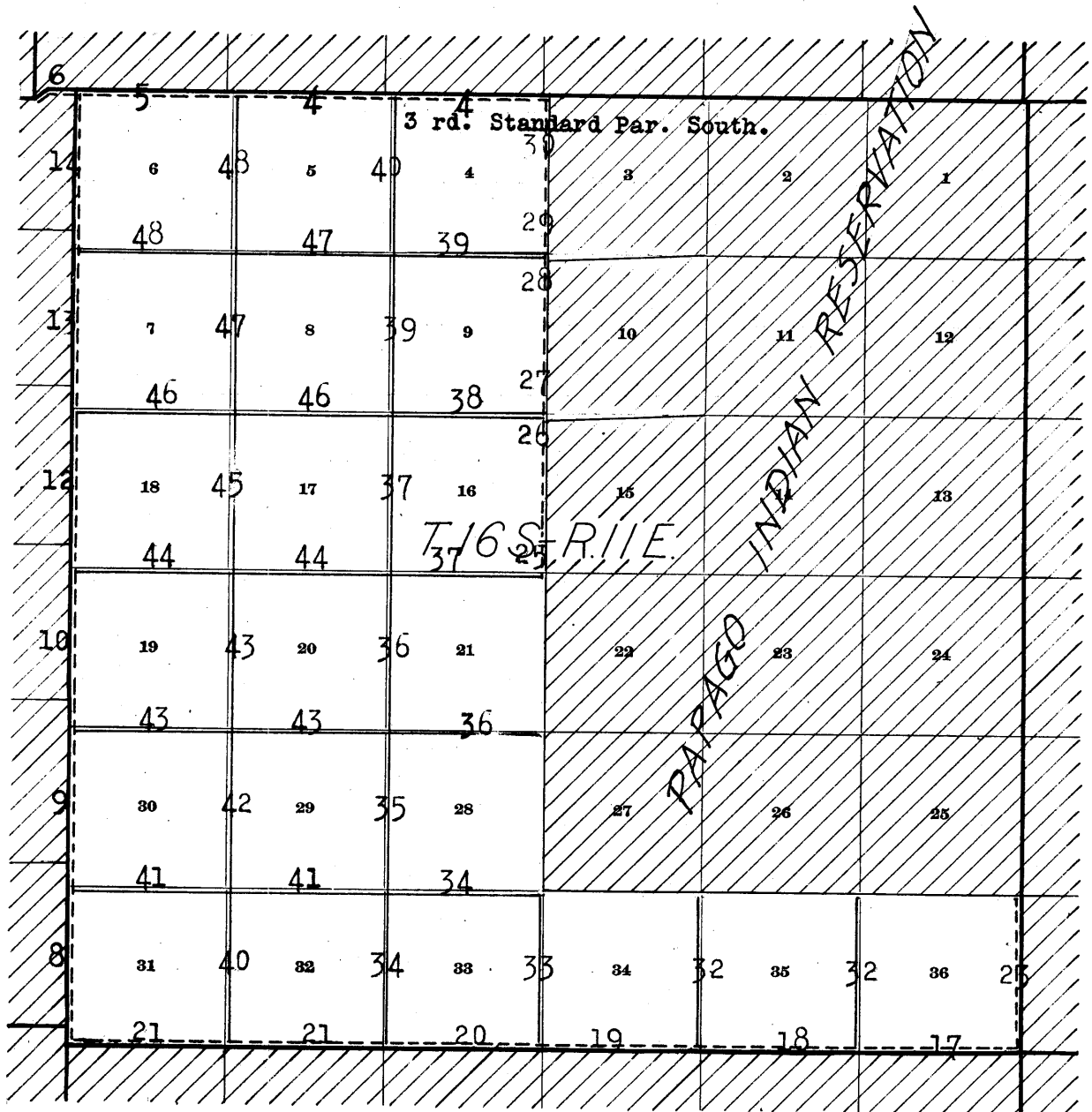
216  
1A

3598

Book "A"  
Group 117-Arizona

BOOK 3598

# INDEX DIAGRAM.



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

Book "A"

DATE DIAGRAM.

Group 117 - - Arizona.

Township 16 South, Range 11 East.

3rd Standard Parallel South.

10-25-21	10-25-21	10-25-21	10-25-21			
6	5	4	3	2	1	
10-31-21	10-31-21	10-22-21	10-25-21			
7	8	9	10	11	12	
10-29-21	10-29-21	10-21-21	10-25-21			
13	17	16	15	14	13	
10-29-21	10-20-21	10-21-21	10-25-21			
14	20	21	22	23	24	
10-27-21	10-27-21	10-20-21				
15	29	28	27	26	25	
10-26-21	10-29-21	10-21-21	10-20-21			
16	32	33	34	35	36	
10-26-21	10-20-21	10-19-21	10-19-21	10-18-21	10-19-21	
17	31	32	33	34	35	
10-18-21	10-18-21	10-18-21	10-17-21	10-17-21	10-17-21	

————— Indicates surveys executed by William H. Thorn, U.S. Cadastral Engineer, on dates shown thereon.

----- Indicates resurveys executed by William H. Thorn, U.S. Cadastral Engineer, on dates shown thereon.

————— Indicates previously accepted surveys.

Resurveys and surveys herein described, executed on dates shown on diagram on page 1 hereof by William H. Thorn, U.S. Cadastral Engineer, using Young and Sons light mountain transit No. 8592, equipped with full vertical circle and Smith solar attachment; unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

October 10, 1921. I examine the adjustments of the instrument and correct all errors; then, to test the solar apparatus, by comparing its indications, resulting from observations made during a.m. and p.m. hours with a meridian established by Polaris observations, I proceed as follows:

At 3h.0m. p.m., l.m.t., near the standard cor. of secs. 34 and 35, T.15 S., R.10 E., G. and S. R. B. and M., Arizona, latitude  $32^{\circ}4\frac{1}{2}'$  N., long.  $111^{\circ}18'$  W., at 3h.0m. p.m., l.m.t., I set off  $32^{\circ}4\frac{1}{2}'$  N. on the lat. arc;  $6^{\circ}41'$  S. on the decl. arc; and determine a meridian with the solar, which I find to agree with the true meridian.

At 6h.20.4m. p.m., l.m.t., I observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined on a peg driven firmly in the ground, 5 chs. N.

Azimuth of Polaris at eastern elongation is  $1^{\circ}18'55''$ .

October 11, 1921. At 7h.45m. a.m., l.m.t., I lay off the azimuth of Polaris,  $1^{\circ}19'$  to the west, and mark the meridian thus determined by a tack driven in a peg firmly set in the ground, 5 chs. N.

At 8h.0m., a.m., l.m.t., I set off  $32^{\circ}4\frac{1}{2}'$  on the lat. arc;  $6^{\circ}57'$  S., on the decl. arc; and determine a meridian with the solar, which I find to agree with the true meridian.

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

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.

Unless otherwise specified, all measurements are made with a Lufkin steel tape, 5 chs. in length, compared with a Lufkin steel tape, and found correct. The measurements are made on the slope, the vertical angles determined, and the slope measurements properly reduced to true horizontal distances.

Resurvey of the Third Std. Parallel South, thru. part of Range 11 East. 3

Chains.

The West three miles of the Third Standard Parallel South, in Range 11 East were surveyed in 1879, by S.W. Foreman, U.S.D.S. This part of the parallel was resurveyed in 1884, by J.B. McLaughlin, U.S.D.S., who found none of the Foreman corners. Later investigations in 1886 by G.J. Roskruge, U.S.D.S., showed the existence of two standard lines thru. Range 11 East, the McLaughlin line being south of the Foreman line. Roskruge reconstructed the Foreman standard cor. of secs. 33 and 34, the Foreman standard cor. of Ts. 15 S., Rs. 10 and 11 E., and the McLaughlin standard cor. of Ts. 15 S., Rs. 10 and 11 E., using the McLaughlin standard Tp. cor. as initial point for the resurvey of the Range line bet. Rs. 10 and 11 E., thru. T. 15 S., In 1915, C.M. Leedy, U.S.S. reconstructed the Foreman-Roskruge std. cor. of secs. 33 and 34 with an iron post, which is the cor. herein after described.

The following notes describe a resurvey of the Foreman parallel S. of secs. 31, 32 and 33, T. 15 S., R. 11 E., and the connection between the Foreman-Roskruge std. cor. of Ts. 15 S., Rs. 10 and 11 E., and the McLaughlin-Roskruge std. cor. of same Tp.

Retracement for Resurvey.

From the Foreman-Roskruge-Leedy standard cor. of secs. 33 and 34, T. 15 S., R. 11 E., hereinafter described, West, on retracement S. of secs. 33 and 32.

- 40.00 Diligent search in this vicinity failed to reveal any trace of the original standard  $\frac{1}{4}$  sec. cor. of sec. 33.
- 80.00 Diligent search in this vicinity failed to reveal any trace of the original standard cor. of secs. 32 and 33.
- 120.00 Diligent search in this vicinity failed to reveal any trace of the original standard  $\frac{1}{4}$  sec. cor. of sec. 32.
- 160.18 Fall 98 lks. N. of the original point of location of the standard cor. of secs. 31 and 32, determined as herein after described.

The true course and distance of the 3rd Standard Parallel S. between the std. cor. of secs. 33 and 34, and the standard cor. of secs. 31 and 32 are therefore S. 89° 39' W., 160.18 chs., which gives proportional intervals of 40.04  $\frac{1}{2}$  chs. for the reestablishment of the missing corners.

From the original std. cor. of secs. 31 and 32, West on retracement on S. bdy. of sec. 31 (E.  $\frac{1}{2}$ ).  
 40.22 Fall 55 lks. N. of the original point of location of the std.  $\frac{1}{4}$  sec. cor. of sec. 31, determined as hereinafter described.  
 The true course and distance of E.  $\frac{1}{2}$  of S. bdy. of sec. 31, are therefore S. 89° 13' W., 40.22 chs.

From the std.  $\frac{1}{4}$  sec. cor., West, on retracement, on S. bdy. of sec. 31 (W.  $\frac{1}{2}$ ).  
 25.15 Fall 34 lks. N. of the original closing cor. of Ts. 16 S., Rs. 10 and 11 E., hereinafter described,  
 Continue line and measurement.

40.22 Fall 31 lks. N. of the Foreman-Roskruge std. cor. of Ts. 15 S., Rs. 10 and 11 E., hereinafter described.  
 The true course and distance of this portion of the W.  $\frac{1}{2}$  of S. bdy. of sec. 31 are therefore S. 89° 33' W., 40.22 chs., and the closing cor. of Ts. 16 S., Rs. 10 and 11 E. is therefore 0.14 chs. S. of the true point for same.

Thence, S. 39° 30' W., on retracement, on part of W.  $\frac{1}{2}$  of S. bdy. of Sec. 31.

5.57 Fall 2  $\frac{1}{2}$  lks. N. 50° 30' W. from the McLaughlin-Foreman std. cor. of Ts. 15 S., Rs. 10 and 11 E., hereinafter described.

4 Resurvey of part of Third Std.Par.South, thru part of R.11 E.

Chains.

True course and dist. of this portion of W. 1/2 of S. bdy. of sec. 31 are therefore S. 39° 15' W., 5.57 chs.

RESURVEY.

The Foreman-Roskrug-Leedy std. cor. of secs. 33 and 34, T. 15 S., R. 11 E., on the Third Std. Par. South, is an iron post, 3 ins. in diam., projecting 10 ins. above ground firmly set, alongside old wood post, properly marked, on brass cap, and witnessed by three pits, one each E. W. and N. of post, and mound of earth, N. of cor. No bearing trees. This cor. is on the W. bdy. of the Papago Indian Reservation, which bdy. extends northerly along the subdivision line, bet. secs. 33 and 34, easterly along the 3rd Std. Par. S. to the C.C. of secs. 3 and 4, thence southerly along the subdivision line, bet. secs. 3 and 4.

From above described standard cor., S. 89° 39' W., on true line, on S. bdy. of sec. 33. Over level land, thru scattering timber and undergrowth.

11.50

Center of wash, 100 lks. wide, course N.

21.70

Wash, 30 lks. wide, course N.

40.04 1/2

(Proportional distance) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished std. 1/4 sec. cor. of sec. 33, marked on brass cap,

SC  
1/4 S33

1921

from which,

A mesquite, 6 ins. in diam., brs. N. 83 1/2° W., 307 lks. dist., marked 1/4 S 33 SC BT.

No other bearing trees available. Dig pits, 18x18x12 ins. one each E. and W. of post, 3 ft. dist.

58.20

Wash, 70 lks. wide, course N.

74.00

Wash, 50 lks. wide, course N.

77.28

(77.62 chs. westing from C.C. of secs. 3 and 4) Point of intersection of subdivision lines bet. secs. 4 and 5, T. 16 S., R. 11 E. Closing cor. of said secs. established here, as hereinafter described.

80.09

(Proportional dist.) Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for reestablished std. cor. of secs. 32 and 33, marked on brass cap,

S | C  
T15S | R11E  
S32 | S33

1921

from which,

A palo verde, 8 ins. in diam., brs. N. 31 1/4° E., 214 lks. dist., marked T15S R11E S33 SC BT.

A palo verde, 10 ins. in diam., brs. N. 30 1/4° W., 167 lks. dist., marked T15S R11E S32 SC BT.

Land, level.

Soil, sandy loam, 2nd rate.

Timber, mesquite.

Undergrowth, scrub palo verde, scrub mesquite and greasewood.

S. 89° 39' W., on a true line, on S. bdy. of sec. 32.

Over level land, thru scattering timber and dense undergrowth.

6.25

Old road, brs. N. 10° W. and S. 10° E.

29.60

Dim road, brs. N. and S.

Resurvey of of Third Std. Par. South, thru. part of Range 11 East. 5

Chains.

36.90 Wash, 60 lks. wide, course N.  
40.04 1/2 (Proportional dist.) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished std. 1/4 sec. cor. of sec. 32, marked on brass cap,

S C  
1/4 S 32  
1921

from which,  
A mesquite, 4 ins. in diam., brs. N. 47° E., 180 lks. dist., marked 1/4 BT.  
A mesquite, 8 ins. in diam., brs. N. 69 1/2° W., 310 lks. dist., marked 1/4 S 32 SC BT.

55.90 Wash, 50 lks. wide, course N.  
77.23 (80.04 chs. S. 89° 39' W. from C.C. of secs. 4 and 5 T. 16 S., R. 11 E.) Point of intersection of Subdivision line bet. secs. 5 and 6, T. 16 S., R. 11 E. Closing cor. of said secs. established here as hereinafter described.

80.09 The original point of location of the std. cor. of secs. 31 and 32, determined by reference to old mound and pits, and old chop line about 100 lks. W.  
A mesquite, 10 ins. in diam., brs. N. 27 3/4° W., 62 lks. dist., marked TXV RXLE SXXXI BT.

This bearing tree is not of record. Reconstruct the cor. at its original point of location, as follows:  
Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for std. cor. of secs. 31 and 32, marked on brass cap,

S C  
T15 S R11E  
S31 S32  
1921

The old mesquite bearing tree described above is the only one available.  
Dig pits, 18x18x12 ins., one each E., W. and N. of post, 3 ft. dist.  
Land, level.  
Soil, sandy loam, 2nd rate.  
Timber, mesquite.  
Undergrowth, scrub mesquite, scrub palo verde, cactus and greasewood.  
Good grass.

S. 89° 13' W., on a true line, on S. bdy. of sec. 31 (E. 1/2).  
Over level land, thru. scattering timber and dense undergrowth.

5.94 Wash, 50 lks. wide, course N.  
10.04 Wash, 10 lks. wide, course NW.  
17.34 Wash, 10 lks. wide, 2 ft. deep, course N.  
27.24 Wash, 50 lks. wide, course N.  
30.74 Wash, course N.

40.22 The original point of location of the std. 1/4 sec. cor. of sec. 31, determined by reference to old mound and pits. Reconstruct this cor. at this point as follows:  
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for std. 1/4 sec. cor. of sec. 31, marked on brass cap,

SC  
1/4 S 31  
1921

No bearing trees available. Redig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist.

6 Resurvey of Third Std. Par. South, thru. part of Range 11 East.

Chains.

Thence,  
S. 89°33' W.; on a true line, on S. bdy. of sec. 31 (W. 1/2).  
Over level land, thru. scattering timber and dense under-  
growth.

24.22 Wash, 30 lks. wide, course N.  
25.15 (68.23 chs. westing from C.C. of secs. 5 and 6, T. 16 S., R. 11 E., hereinafter described) From this point, the original closing cor. of Ts. 16 S., Rs. 10 and 11 E., established by L. Wolfley, U.S.D.S. in 1885, brs. South 14 lks. dist. This cor. is a mesquite post, 3 ins. square, firmly set in ground and mound of earth, with scribe markings, faintly visible and witnessed by traces of pits E., W. and S. No bearing trees.  
Destroy old closing cor., and at a point .14 lks. North of its original point of location, set an iron post, 3 ft. long, 3 ins. in diam., 26 ins. in the ground, for re-established closing cor. of Ts. 16 S., Rs. 10 and 11 E., marked on brass cap,

T15S R11E  
S31  
-----  
S 1 | S 6  
R10E | R11E  
T16S  
C C  
1921

No bearing trees available.  
Dig pits, 18x18x12 ins., one each E., W. and S. of post, 3 ft. dist.

40.22 Continue line and measurement.  
(15.07 chs. S. 89°33' W. from C.C. of Ts. 16 S., Rs. 10 and 11 E.)  
The Foreman-Roskrige std. cor. of Ts. 15 S., Rs. 10 and 11 E., now an angle point, which is a malpais stone, 6x8x10 ins. above ground, firmly set, marked with 6 notches on each of E., W. and N. faces, and witnessed by faint traces of mound and pits. No bearing trees. Redig pits 18x18x12 ins., one each E. and W. of post 3 ft. dist. Destroy notches on stone; and mark "AP" on N. face of same.

5.57 Thence,  
S. 39°15' W., on a true line, on part of W. 1/2 of S. bdy. of sec. 31, measuring from above described A.P.  
(83.96 chs. westing from std. cor. of secs. 31 and 32) The McLaughlin-Roskrige std. cor. of Ts. 15 S., Rs. 10 and 11 E., which is a malpais stone, 10x14x12 ins. above ground, firmly set, marked with 6 notches on each of E., W. and N. faces, and witnessed by faint traces of mound and pits. No bearing trees. Redig pits, 18x18x12 ins., one each E., W. and N. of post, 3 ft. dist.

Land, level.  
Soil, sandy loam, 2nd rate.  
Timber, mesquite and palo verde.  
Undergrowth, scrub mesquite, scrub palo verde, cactus and greasewood.  
Good grass.



Chains.

The west boundaries of Townships 16 and 17 South, Range 11 East, were surveyed by L. Wolfley, U.S.D.S. in 1885. No retracement or resurvey of the West bdy. of T. 16 S., R. 11 E. is of record, but the West bdy. of T. 17 S., R. 11 E. was resurveyed in 1901, by P. Contzen, U.S.D.S.

Retracement for Resurvey.

- From the reestablished closing cor. of Ts. 16 S., Rs. 10 and 11 E. on 3rd Std. Par. S., hereinbefore described, South, on retracement on E. bdy. of sec. 1.
- 36.54 Diligent search in this vicinity failed to reveal any trace of the original  $\frac{1}{4}$  sec. cor. of secs. 1 and 6.
- 76.49 Fall 1 lk. E. of the original cor. of secs. 1, 6, 7 and 12, hereinafter described.
- The true course and distance of E. bdy. of sec. 1, are therefore North, 76.49 chs., which to maintain original proportion gives intervals of 36.44 chs. and 40.05 chs. for the N. and S. halves respectively of E. bdy. of sec. 1.
- South, on retracement, on E. bdy. of sec. 12.
- 40.00 Diligent search in this vicinity failed to reveal any trace of the original  $\frac{1}{4}$  sec. cor. of secs. 7 and 12.
- 79.90 Fall 9 lks. E. of the original cor. of secs. 7, 12, 13 and 18, hereinafter described.
- The true course and distance of E. bdy. of sec. 12, are therefore N. 0° 4' E., 79.90 chs.
- South, on retracement, on E. bdy. of sec. 13.
- 40.00 Diligent search in this vicinity failed to reveal any trace of the original  $\frac{1}{4}$  sec. cor. of secs. 13 and 18.
- 79.90 Fall 72 lks. E. of the original cor. of secs. 13, 18, 19 and 24, hereinafter described.
- The true course and distance of E. bdy. of sec. 13 are therefore N. 0° 31' E., 79.90 chs.
- South, on retracement, on E. bdy. of sec. 24 (N.  $\frac{1}{2}$ ).
- 40.17 Fall 3 lks. E. of the original  $\frac{1}{4}$  sec. cor. of secs. 19 and 24, hereinafter described.
- The true course and distance of N.  $\frac{1}{2}$  of E. bdy. of sec. 24 are therefore N. 0° 3' E., 40.17 chs.
- Thence,
- South, on retracement on E. bdy. of sec. 24 (S.  $\frac{1}{2}$ ).
- 39.97 Fall 15 lks. E. of the original cor. of secs. 19, 24, 25 and 30, hereinafter described.
- The true course and dist. of S.  $\frac{1}{2}$  of E. bdy. of sec. 24 are therefore N. 0° 13' E., 39.97 chs.
- South, on retracement on E. bdy. of sec. 25 (N.  $\frac{1}{2}$ ).
- 40.04 Fall 3 lks. E. of the original  $\frac{1}{4}$  sec. cor. of secs. 25 and 30, hereinafter described.
- The true course and distance of N.  $\frac{1}{2}$  of E. bdy. of sec. 25, are therefore N. 0° 2' E., 40.04 chs.
- Thence,
- South, on retracement on E. bdy. of sec. 25 (S.  $\frac{1}{2}$ ).
- 40.11 Fall 2 lks. E. of the point of original location of the cor. of secs. 25, 30, 31 and 36, determined as hereinafter described.
- The true course and distance of S.  $\frac{1}{2}$  of E. bdy. of sec. 25, are therefore N. 0° 2' E., 40.11 chs.
- South, on retracement on E. bdy. of sec. 36.
- 40.00 Diligent search in this vicinity failed to reveal any trace of the original  $\frac{1}{4}$  sec. cor. of secs. 31 and 36.
- 80.46 Fall 7 lks. E. of the cor. of Ts. 16 and 17 S., R. 10 E., hereinafter described.
- The true course and distance of E. bdy. of sec. 36 are therefore N. 0° 3' E., 80.46 chs.
- Thence,
- South, on retracement on E. bdy. of sec. 1, T. 17 S., R. 10 E.

8 Resurvey of West bdy. of Township 16 South, Range 11 East.

Chains.

10.53 Intersect the original closing cor. of Ts. 16 and 17 S., R. 11 E., hereinafter described.  
The true course and dist. of this portion of E. bdy. of sec. 1 are therefore, North, 10.53 chs.

Resurvey.

The original closing cor. of Ts. 16 and 17 S., R. 11 E., established by P. Contzen, U.S.D.S. in 1901, is a granite stone 10x12x6 ins. above ground, firmly set, marked CC on E. face, with 6 grooves on each of N., S. and E. faces, and witnessed by one bearing tree, a mesquite, 12 ins. in diam., bearing N. 73 1/2° E., 113 lks. dist., marked T16S R11E S31 CC BT. No trace of the record SE. bearing tree can be found. Reconstruct this cor. as follows:

Alongside old stone,

Set an iron post, 3 ft. long, 3 ins. in diam., 26 ins. in the ground, for closing cor. of Ts. 16 and 17 S., R. 11 E., marked on brass cap,

	T16S
T17S	R11E
S 1	S31
	CC
R10E	S 6'
	T17S

1921

In addition to the original bearing tree described above, establish a new one, as follows:

A mesquite, 4 ins. in diam., brs. S. 76 1/2° E., 130 lks. dist., marked BT.

Thence,

North, on a true line, on W. bdy. of sec. 31.

Over rolling land, thru. scattering timber and dense undergrowth.

5.50 Wash, 50 lks. wide, course N. 60° E.

10.53 Intersect the cor. of Ts. 16 and 17 S., R. 10 E., originally established by L. Wolfley, U.S.D.S. in 1885, as cor. of 4 Ts., and reconstructed and changed to cor. of 2 Ts. by P. Contzen, U.S.D.S. in 1901. This cor. is a granite stone, 10x12x14 ins. above ground, firmly set, marked with 6 notches on each of N., S. and W. faces, and witnessed by a mesquite tree 5 ins. in diam., N. 75° W., 313 lks. dist., marked T16S R10E S36 BT., and by faint traces of 3 pits, one each N., S. and W. of cor. Reconstruct this cor. as follows: Alongside old stone,

Set an iron post, 3 ft. long, 3 ins. in diam., 26 ins. in the ground, for cor. of Ts. 16 and 17 S., R. 10 E., marked on brass cap,

	T16S
	R10E
	S36
	S 1
	T17S

1921

The old mesquite bearing tree described above is the only tree available. Redig pits, 18x18x12 ins., one each N., S. and W. of post, 3 ft. dist.

Thence,

N. 0° 3' E., on a true line, on W. bdy. of sec. 31, continuing measurement.

13.60 Wash, 20 lks. wide, course N. 50° W.

16.80 Wash, 50 lks. wide, course N. 50° W.

36.00 Wash, 50 lks. wide, course N. 10° W.

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. 31 only, marked on brass cap,

	1/4 S31
--	---------

1921

from which,

Resurvey of West bdy. of Township 16 South, Range 11 East.

Chains.

A mesquite, 4 ins. in diam., brs. N.14°E., 56 lks. dist., marked BT.

A mesquite, 8 ins. in diam., brs. S.52½°E., 94 lks. dist., marked ¼ S 31 BT.

Continue line and measurement.

48.20

Old road, brs. NW. and SE.

50.00

Wash, 100 lks. wide, course NW.

50.76

(Midpoint of E. bdy. of sec. 36), Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished ¼ sec. cor. of sec. 36 only, marked on brass cap,

T16S

1921

from which,

A mesquite, 6 ins. in diam., brs. N.73°W., 69 lks. dist., marked ¼ S 36 BT.

No other bearing trees available. Raise a mound of stone 2 ft. base, 1½ ft. high, W. of cor.

Continue line and measurement.

63.40

Wash, 40 lks. wide, course N.45°W.

76.75

Wash, course N.15°W.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for reestablished cor. of secs. 30 and 31 only, marked on brass cap,

T16S  
R10E

T16S  
S30

S36  
R11E

1921

from which,

A mesquite, 10 ins. in diam., brs. S.18°E., 51 lks. dist., marked T16S R11E S31 BT.

No other bearing trees available. Raise a mound of stone 2 ft. base, 1½ ft. high, E. of cor.

Land, rolling.

Soil, 3rd rate.

Timber, mesquite and palo verde.

Undergrowth, catclaw, yucca, tesota and cactus.

Fair grass.

10.99

N.0°3'E., on a true line, on W. bdy. of sec. 30. Over rolling land, thru scattering timber and dense undergrowth. (80.46 chs. N.0°3'E. from cor. of T16S and 17 S., R.10 E.) Intersect the point of original location of the cor. of secs. 25, 30, 31 and 36, determined by measuring N.35°E., 40 lks. (record tie) from remains of one of the original bearing trees, consisting of a palo verde stump. Beside the stump, lying on the ground, is the body of the tree plainly marked TXVI SRXE SXXXVI BT. The other record bearing tree, a mesquite, 10 ins. in diam., marked TXVIS RXIE SXXXBT is still standing, and brs. N.48½°E., 151 lks. dist. from cor. point. Reconstruct the cor. at its point of original location, as follows: Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 25 and 36 only, marked on brass cap,

T16S  
S25

T16S  
R11E

S36  
R10E

1921

10 Resurvey of West bdy. of Township 16 South, Range 11 East.

Chains.

from which,

A catclaw, 5 ins. in diam., brs. N. 53 1/4° W., 140 lks. lks. dist., marked T16S R10E S25 BT.

Change the marking on the original NE. bearing tree to read TXVIS RXIE BT., and on the stump of the original SW. bearing tree, mark T16S R10E S36 BT.

Thence,

N. 0° 2' E., on a true line, on W. bdy. of sec. 30, continuing measurement.

13.50  
31.99  
39.70  
40.00

Wash, 30 lks. wide, course N. 30° W.

Wash, 30 lks. wide, course N. 50° W.

Wash, 40 lks. wide, course N. 20° W.

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 S 30

1921

from which,

A mesquite, 8 ins. in diam., brs. N. 35 1/4° E., 68 lks. dist., marked 1/4 S 30 BT.

A palo verde, 5 ins. in diam., brs. S. 45° E., 54 lks. dist., marked 1/4 S 30 BT.

Continue line and measurement.

50.00  
51.10

Wash, 70 lks. wide, course N. 60° W.

(40.11 chs. N. 0° 2' E., from cor. of secs. 25 and 36) Intersect the original 1/4 sec. cor. of secs. 25 and 30, which is a mesquite stake, 2 ins. square, projecting 12 ins. above ground, firmly set, marked 1/4 S on W. face, and witnessed by faint traces of two pits, one each N. and S. of stake.

No bearing trees.

Reconstruct the cor. as follows: Alongside old stake, Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. of sec. 25 only, marked on brass cap,

1/4 S 25

1921

from which,

A palo verde, 6 ins. in diam., brs. S. 48° W., 120 lks. dist., marked 1/4 S 25 BT.

No other bearing tree available.

Redig pits 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

Continue line and measurement.

60.65  
62.15  
71.45  
80.00

Wash, 50 lks. wide, course NW.

Wash, 30 lks. wide, course W.

Center of wash, 120 lks. wide, course N. 25° W.

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for reestablished cor. of secs. 19 and 30 only, marked on brass cap,

T16S | T16S  
R10E | S19  
S25 | S30  
R11E

1921

from which,

A palo verde, 5 ins. in diam., brs. N. 84° E., 145 lks. dist., marked T16S R11E S19 BT.

A palo verde, 10 ins. in diam., brs. S. 39 1/2° E., 34 lks. dist., marked T16S R11E S30 BT.

Land, rolling.

Soil, sandy, 3rd rate.

Timber, mesquite, and palo verde.

Undergrowth, catclaw, yucca, tesota and cactus.

Good grass.

## Resurvey of the West bdy. of Township 16 South, Range 11 East, 11

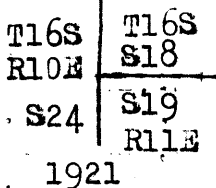
Chains.

- N.0°2'E., on a true line, on W. bdy. of sec.19.  
Over level land, thru. scattering timber and dense under-  
growth.
- 10.75 Wash, 30 lks. wide, course NW.  
11.14 (40.04 chs. N.0°2'E., from  $\frac{1}{4}$  sec. cor. of sec.25). Intersect  
the original cor. of secs.19, 24, 25 and 30, which is  
a mesquite stake, 2 ins. square, projecting 30 ins.  
above ground, firmly set, marked with 2 notches on S.  
edge and 4 notches on N. edge, and witnessed by faint  
traces of 4 pits, one each NE., SE., SW. and NW. of cor.  
No bearing trees.  
Reconstruct this cor. as follows: Alongside old stake,  
Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in  
the ground, for cor. of secs.24 and 25 only, marked on  
brass cap,
- |      |      |
|------|------|
| T16S | T16S |
| S24  | R11E |
| S25  | S19  |
| R10E |      |
- 1921
- from which,  
A palo verde, 6 ins. in diam., brs. N.44°W., 21  
lks. dist., marked T16S R10E S24 BT.  
A palo verde, 6 ins. in diam., brs. S.6 $\frac{1}{2}$ °W., 51  
lks. dist., marked T16S R10E S25 BT.  
Obliterate the old pits NE. and SE. of cor.  
Thence,  
N.0°13'E., on a true line, on W. bdy. of sec.19, continuing  
measurement.
- 27.10 Wash, 20 lks. wide, course NW.  
30:30 Same wash, course NE.  
32.00 Wash, 20 lks. wide, course N.20°E.  
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.19  
only, marked on brass cap,
- |                   |
|-------------------|
| $\frac{1}{4}$ S19 |
|-------------------|
- 1921
- No bearing trees available. Dig pits, 18x18x12 ins., one  
each N. and S. of post, 3 ft. dist.  
Continue line and measurement.
- 43.10 Wash, 20 lks. wide, course NW.  
51.11 (39.97 chs. N.0°13'E. from cor. of secs.24 and 25),  
Intersect the original  $\frac{1}{4}$  sec. cor. of secs.19 and 24, which  
is a mesquite post, 3 ins. in diam., projecting 12 ins.  
above ground, firmly set, and flattened on one side.  
The original markings are no longer visible, but  
there are faint traces of two pits, one each N. and S.  
of post. No bearing trees.  
Reconstruct the cor. as follows: Alongside old mesquite  
post,  
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
the ground, for  $\frac{1}{4}$  sec. cor. of sec.24 only, marked on  
brass cap,
- |                   |
|-------------------|
| $\frac{1}{4}$ S24 |
|-------------------|
- 1921
- No bearing trees available. Redig pits, 18x18x12 ins.,  
one each N. and S. of post, 3 ft. dist.  
Thence,  
N.0°3'E., on a true line, on W. bdy. of sec.19, continuing  
measurement,
- 64.80 Center of wash, 150 lks. wide, 2 ft. deep, course N.50°W.  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in

12 Resurvey of West bdy. of Township 16 South, Range 11 East.

Chains.

the ground, for reestablished cor. of secs. 18 and 19, only, marked on brass cap,



No bearing trees available. Dig pits, 18x18x12 ins., one each NE. and SE. of post, 3 ft. dist.

Land, level.

Soil, sandy, 3rd rate.

Timber, mesquite and palo verde.

Undergrowth, catclaw, yucca, tesota, and cactus.

Good grass.

N.0°3'E., on a true line, on W. bdy. of sec. 18.

Over level land, thru. scattering timber and dense undergrowth.

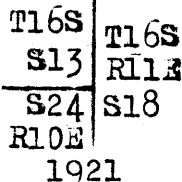
3.90 Center of wash, 100 lks. wide, 2 ft. deep, course NW.

8.30 Center of same wash, course NE.

11.28 (40.17 chs. N.0°3'E., from the  $\frac{1}{4}$  sec. cor. of sec. 24) Intersect the original cor. of secs. 13, 18, 19 and 24, which is a mesquite stake, 2 ins. sq., projecting 18 ins. above ground, firmly set, faintly marked and witnessed by faint traces of 4 pits, and one each NE., SE., SW. and NW. of cor. No bearing trees.

Reconstruct this cor. as follows: Alongside, old mesquite stake,

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 13 and 24 only, marked on brass cap,



No bearing trees available. Redig pits, 18x18x12 ins., one each SW. and NW. of post, 3 ft. dist., and obliterate the old pits NE. and SE. of post.

Thence,

N.0°31'E., on a true line, on W. bdy. of sec. 18, continuing measurement.

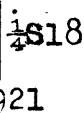
13.28 Same wash, 100 lks. wide, 2 ft. deep, course N.20°W.

24.93 Old road, brs. NW. and SE.

30.18 Wash, 50 lks. wide, course NW.

38.48 Center of wash, 100 lks. wide, course NE.

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. 18 only, marked on brass cap,

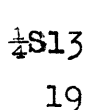


No bearing trees available. Dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

Continue line and measurement.

45.38 Center of wash, 100 lks. wide, course NW.

51.23 (Midpoint of E. bdy. of sec. 13), 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. 13 only; marked on brass cap,



Resurvey of West bdy. of Township 16 South, Range 11 East. 13

Chains.

from which,

A mesquite, 6 ins. in diam., brs. S. 70 1/2° W., 103 lks. dist., marked S13 BT.

A palo verde, 4 ins. in diam., brs. N. 66 3/4° W., 60 lks. dist., marked BT.

Continue line and measurement.

52.18 Center of wash, 100 lks. wide, course NW.

58.58 Wash, 10 lks. wide, course NW.

71.58 Wash, 14 lks. wide, 2 ft. deep, course NW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for reestablished cor. of secs. 7 and 13 only, marked on brass cap,

T16S	T16S
R10E	S 7
S13	S18
	R11E

1921

from which,

A mesquite, 12 ins. in diam., brs. S. 42 1/2° E., 45 lks. dist., marked T16S R11E S18 BT.

No other bearing trees available. Dig pits, 18x18x12 ins., one each NE. and SE. of post, 3 ft. dist.

Land, level.

Soil, sandy, 3rd rate.

Timber, mesquite and palo verde.

Undergrowth, catclaw, yucca, tesota and cactus.

N. 0° 31' E., on a true line, on W. bdy. of sec. 7.

Over level land, thru. scattering timber and dense undergrowth.

0.18 Wash, 100 lks. wide, course NW.

11.18 (79.90 chs. N. 0° 31' E., from cor. of secs. 13 and 24)

Intersect the original cor. of secs. 7, 12, 13 and 18, which is a mesquite stake, 2 ins. square, projecting 18 ins. above ground, firmly set, faintly marked and notched, and witnessed by faint traces of 4 pits, one each NE., SE., SW. and NW. of cor. No bearing trees.

Reconstruct this cor., as follows: Alongside old mesquite stake,

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 12 and 13, only, marked on brass cap,

T16S	T16S
S12	R11E
S13	S 7
R10E	

1921

from which,

A mesquite, 6 ins. in diam., brs. S. 84 1/2° W., 13 lks. dist., marked T16S R10E S13 BT.

No other bearing trees available. Redig pits, 18x18x12 ins., one each, SW. and NW. of post, 3 ft. dist., and obliterate the old pits NE. and SE. of cor.

Thence,

N. 0° 4' E., on a true line, on W. bdy. of sec. 7, continuing measurement.

27.10 Wash, 20 lks. wide, 2 ft. deep, course NW.

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. 7 only, marked on brass cap,

S 7
-----

1921

14 Resurvey of West bdy. of Township 16 South, Range 11 East.

Chains.

from which,

A mesquite, 6 ins. in diam., brs. N. 36 1/2° E., 100

lks. dist., marked 1/4 S 7 BT.

A palo verde, 10 ins. in diam., brs. S. 82 3/4° E., 205

lks. dist., marked 1/4 S 7 BT.

Continue line and measurement.

44.40 Wash, 30 lks. wide, course N. 30° W.

51.13 (Midpoint of E. bdy. of sec. 12)

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, marked on brass cap,

1/4 S 12

1921

from which,

A mesquite, 10 ins. in diam., brs. S. 83° W., 92

lks. dist., marked 1/4 S 12 BT.

No other bearing trees available. Dig pits, 18x18x12 ins. one each N. and S. of post, 3 ft. dist.

Thence,

N. 0° 4' E., on a true line, on W. bdy. of sec. 7, continuing measurement.

64.50 Wash, 10 lks. wide, course NE.

76.08 Wash, 60 lks. wide, course NW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for reestablished cor. of secs. 6 and 7 only, marked on brass cap,

T16S | T16S  
S - 6  
R10E | S 7  
S12 | R11E

1921

from which,

A palo verde, 8 ins. in diam., brs. N. 10 3/4° E., 210

lks. dist., marked T16S R11E S6 BT.

A palo verde, 6 ins. in diam., brs. S. 50 1/2° E., 136

lks. dist., marked T16S R11E S7 BT.

Land, level;

Soil, sandy, 3rd rate.

Timber, mesquite and palo verde.

Undergrowth, catclaw, yucca, tesota and cactus.

N. 0° 4' E., on a true line, on W. bdy. of sec. 6.

Over level land, thru. scattering timber and undergrowth.

2.30 Wash, 10 lks. wide, course N. 20° W.

11.08 (79.90 chs. N. 0° 4' E. from cor. of secs. 12 and 13)

Intersect the original cor. of secs. 1, 6, 7 and 12, which is a mesquite stake, 1 1/2 ins. square, projecting 24 ins. above ground, firmly set, faintly marked and notched and witnessed by faint traces of 4 pits, one each NE., SE., SW. and NW. of cor., and remains of mound of earth, W. of cor. No trace of the original bearing tree NW. of cor. can be found.

Reconstruct this cor. as follows: Alongside old mesquite stake.

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 1 and 12 only, marked on brass cap,

T16S | T16S  
S 1 | R11E  
S12 | S 6  
R10E

1921



Resurvey of West bdy. of Township 16 South, Range 11 East. 15

Chains.

No bearing trees available. Redig pits, 18x18x12 ins., one each NW. and SW of post, 3 ft. dist., and obliterate the old pits NE. and SE. of cor.

Thence, North, on true line, on W. bdy. of sec. 6, continuing measurement.

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. 6 only, marked on brass cap,

1/4 S 6

1921

from which,

A palo verde, 12 ins. in diam., brs. N. 50° E., 74 lks. dist., marked 1/4 S 6 BT.

No other bearing trees available. Dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

Continue line and measurement.

51.13 (Proportional dist. of 40.05 chs. N. from cor. of secs. 1 and 12), 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, marked on brass cap,

1/4 S 1

1921

No bearing trees available. Dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

Continue line and measurement.

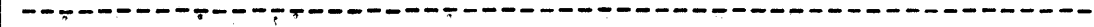
87.43 Point of original location of the closing cor. of Ts. 16 N., Rs. 10 and 11 E.

87.57 (36.44 chs. N. from 1/4 sec. cor. of sec. 1) Intersect the re-established closing cor. of Ts. 16 S., Rs. 10 and 11 E., on the 3rd Std. Parallel South, hereinbefore described. Land, level.

Soil, sandy loam, 2nd rate.

Timber, palo verde and mesquite.

Undergrowth, scrub palo verde, scrub mesquite and cactus.



## 16 Resurvey of South bdy. of Township 16 South, Range 11 East.

Chains.

The South bdy. of T.16 S., R.11 E., was surveyed in 1901, by P. Contzen, U.S.D.S. No subsequent retracement or resurvey of this line is of record.

Retracement for Resurvey.

- From the closing cor. of Ts.16 and 17 S., R.11 E., hereinbefore described,  
 East, on retracement, bet. secs.6 and 31 (W. $\frac{1}{2}$ ).  
 29.50 Intersect the original  $\frac{1}{4}$  sec.cor. of secs.6 and 31, herein-  
 after described.  
 The true course and distance of W. $\frac{1}{2}$  of line, bet. secs.  
 6 and 31 are therefore West, 29.50 chs.  
 Thence,  
 East, on retracement, bet. secs.6 and 31 (E. $\frac{1}{2}$ ).  
 40.10 Fall 2 lks.N. of the original cor.of secs.5,6,31 and 32,  
 hereinafter described.  
 The true course and distance of E. $\frac{1}{2}$  of line, bet. secs.6  
 and 31 are therefore N.89°58'W., 40.10 chs.
- East, on tracement, bet. secs.5 and 32 (W. $\frac{1}{2}$ ).  
 40.05 Fall 2 lks.N.of the original  $\frac{1}{4}$  sec.cor. of secs.5 and 32,  
 hereinafter described.  
 The true course and distance of W. $\frac{1}{2}$  of line, bet. secs.5  
 and 32 are therefore N.89°58'W., 40.05 chs.  
 Thence,  
 East, on retracement, bet. secs.5 and 32 (E. $\frac{1}{2}$ ).  
 40.05 Fall 2 lks.N. of the original cor.of secs.4,5,32 and 33,  
 hereinafter described.  
 The true course and distance of E. $\frac{1}{2}$  of line, bet.secs.5  
 and 32 are therefore N.89°58'W., 40.05 chs.
- East, on retracement, bet. secs.4 and 33 (W. $\frac{1}{2}$ ).  
 40.07 Fall 3 lks.N. of the original  $\frac{1}{4}$  sec.cor. of secs.4 and  
 33, hereinafter described.  
 The true course and distance of W. $\frac{1}{2}$  of line, bet. secs.  
 4 and 33 are therefore N.89°57'W., 40.07 chs.  
 Thence,  
 East, on retracement, bet. secs. 4 and 33, (E. $\frac{1}{2}$ ).  
 40.02 Fall 2 lks.N. of the original cor.of secs,3,4,33 and 34,  
 hereinafter described.  
 The true course and distance of E. $\frac{1}{2}$  of line, bet. secs.4  
 and 33 are therefore N.89°58'W., 40.02 chs.
- East, on retracement, bet. secs.3 and 34 (W. $\frac{1}{2}$ ).  
 40.03 Intersect the original  $\frac{1}{4}$  sec.cor.of secs. 3 and 34, here-  
 inafter described.  
 The true course and distance of W. $\frac{1}{2}$  of line, bet. secs.  
 3 and 34 are therefore West, 40.03 chs.  
 Thence,  
 East, on retracement, bet. secs.3 and 34 (E. $\frac{1}{2}$ ).  
 40.05 Intersect the original cor.of secs.2,3,34 and 35, herein-  
 after described.  
 The true course and distance of E. $\frac{1}{2}$  of line, bet.secs.3  
 and 34 are therefore West, 40.05 chs.
- East, on retracement, bet. secs.2 and 35 (W. $\frac{1}{2}$ ).  
 40.06 Fall 2 lks.S.of the original  $\frac{1}{4}$  sec.cor. of secs.2 and 35,  
 hereinafter described.  
 The true course and distance of W. $\frac{1}{2}$  of line, bet.secs.2  
 and 35 are therefore S.89°58'W., 40.06 chs.  
 Thence,  
 East, on retracement, bet. secs.2 and 35 (E. $\frac{1}{2}$ ).  
 40.16 Intersect the original cor.of secs.1,2,35 and 36, herein-  
 after described.  
 The true course and distance of E. $\frac{1}{2}$  of line, bet. secs.2  
 and 35 are therefore West, 40.16 chs.
- East, on retracement, bet. secs.1 and 36 (W. $\frac{1}{2}$ ).  
 40.06 Fall 1 lk.S. of the original  $\frac{1}{4}$  sec.cor.of secs.1 and 36,

BOOK 3898

Resurvey of South bdy. of Township 16 South, Range 11 East. 17

Chains.

(Retracement for Resurvey continued)

hereinafter described.

The true course and distance of W.  $\frac{1}{2}$  of line, bet. secs. 1 and 36 are therefore S. 89° 59' W., 40.06 chs.

Thence,  
East, on retracement, bet. secs. 1 and 36 (E.  $\frac{1}{2}$ ).

40.02 Fall 1 lk. S. of the cor. of Ts. 16 and 17 S., Rs. 11 and 12 E., hereinafter described.

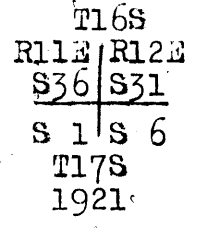
The true course and distance of E.  $\frac{1}{2}$  of line, bet. secs. 1 and 36 are therefore S. 89° 59' W., 40.02 chs.

RESURVEY.

The cor. of Ts. 16 and 17 S., Rs. 11 and 12 E., as reestablished by P. Contzen, U.S.D.S. in 1901, is a granite stone, 8x6x6 ins. above ground, firmly set, marked with 6 notches on each edge, and witnessed by a mound of stone, W. of cor., and three bearing trees as follows:

- A mesquite, 14 ins. in diam., N. 55° E., 217 lks. dist., marked T16S R12E S31 BT.
- A palo verde, 8 ins. in diam., S. 9 $\frac{1}{4}$ ° E., 54 lks. dist., marked T17S12E S6 BT.
- A palo verde, 8 ins. in diam., N. 0° 45' W., 91 lks. dist., marked T16SR11E S36 BT.

Reconstruct this cor. as follows:  
Alongside old stone monument,  
Set an iron post, 3 ft. long, 3 ins. in diam., 26 ins. in the ground, for cor. of Ts. 16 and 17 S., Rs. 11 and 12 E., marked on brass cap,

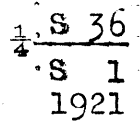


Leave the old accessories undisturbed. This township cor. is situated alongside a fence cor., from which fences extend W. and S.

Thence,  
S. 89° 59' W., on a true line, bet. secs. 1 and 36 (E.  $\frac{1}{2}$ ).  
Over gently rolling land, thru. scattering timber and dense undergrowth.

1.50 Wash, 50 lks. wide, course N. 20° E.  
37.70 Wash, 30 lks. wide, course N.  
40.02 Intersect the original  $\frac{1}{4}$  sec. cor. of secs. 1 and 36, which is a granite stone, 6x8x6 ins., above ground, firmly set, marked  $\frac{1}{4}$  36 on N. face, and  $\frac{1}{4}$  1 on S. face. The original bearing tree has disappeared, but faint traces of two pits are visible, one each E. and W. of cor.

Reconstruct the cor. as follows: Alongside old stone,  
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. of secs. 1 and 36, marked on brass on brass cap,



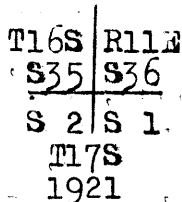
No bearing trees available. Redig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist.

Thence,  
S. 89° 59' W., on a true line, bet. secs. 1 and 36 (W.  $\frac{1}{2}$ ).  
Over gently rolling land, thru. scattering timber and dense undergrowth.

18 Resurvey of South bdy. of Township 16 South Range 11 East

Chains.

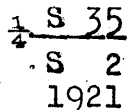
- 7.36 Wash, 40 lks. wide, course N.
- 21.08 Center of wash, 2 chs. wide, course N.10°E.
- 37.08 Wash, 50 lks. wide, course N.20°W.
- 40.06 Intersect the original cor. of secs. 1, 2, 35 and 36, which is a granite stone, 12x12x10 ins. above ground, firmly set, marked with 1 notch on E. edge, and 5 notches on W. edge; and witnessed by a mound of stone, W. of cor. The original bearing tree has disappeared. Reconstruct this cor. as follows: Alongside old stone, Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, marked on brass cap,



No bearing trees available.  
 The old mound of stone W. of cor. being of proper size is retained as accessory.  
 Land, gently rolling.  
 Soil, sandy, 3rd rate.  
 Timber, palo verde and mesquite.  
 Undergrowth, catclaw, yucca, tesota and cactus.

-----  
 West, on a true line, bet. secs. 2 and 35 (E. 1/2).  
 Over gently rolling land, thru. scattering timber and dense undergrowth.

- 5.15 Wash, 50 lks. wide, course N.
- 26.35 Wash, 40 lks. wide, course N.
- 37.15 Wash, 30 lks. wide, course N.30°W.
- 40.16 Intersect the original 1/4 sec. cor. of secs. 2 and 35, which is a granite stone, 10x8x6 ins. above ground, firmly set, marked 1/4 35 on N. face and 1/4 2 on S. face, and witnessed by a mound of stone, N. of cor. No bearing trees. Reconstruct this cor. as follows: Alongside old stone Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. of secs. 2 and 35, marked on brass cap,



No bearing trees available.  
 The old mound of stone N. of cor. being of proper size, is retained as accessory.

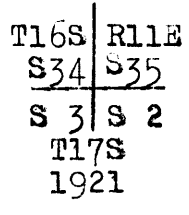
Thence,  
 S. 89° 58' W., on a true line, bet. secs. 2 and 35 (W. 1/2).  
 Over gently rolling land, thru. scattering timber and dense undergrowth.

- 3.04 Wash, 40 lks. wide, 6 ft. deep, course N.20°W.
- 9.64 Wash, 40 lks. wide, course N.
- 16.54 Wash, 50 lks. wide, course N.
- 27.55 Wash, 40 lks. wide, course N.
- 39.54 Wash, 80 lks. wide, course N.20°W.
- 40.06 Intersect the original cor. of secs. 2, 3, 34 and 35, which is a granite stone, 12x8x6 ins. above ground, marked with 2 notches on E. edge and 4 notches on W. edge, and witnessed by faint traces of two pits, one each NE. and NW. of cor. The original bearing trees have disappeared. Reconstruct the cor. as follows:

Resurvey of South bdy. of Township 16 South, Range 11 East. 19

Chains.

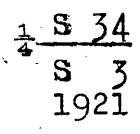
Alongside the old stone,  
Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, marked on brass cap,



No bearing trees available; dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.  
Land, gently rolling.  
Soil, sandy, 3rd rate.  
Timber, palo verde and mesquite.  
Undergrowth, catclaw, yucca, tesota and cactus.

-----

West, on a true line, bet. secs. 3 and 34 (E.  $\frac{1}{2}$ ).  
Over rolling land, thru. scattering timber and dense undergrowth.  
Ascend 30 ft., over E. slope.  
6.05 Wire fence, brs. N. and S.  
10.75 Low ridge, brs. N. and S. A shaft of rock, 10x10x15 ft. high; brs. S. 30 lks. dist.  
Descend 50 ft., over W. slope, to  
20.00 Foot of ridge, brs. N. and S.  
Descend slightly over W. slope, to  
29.05 Wash, 40 lks. wide, course N.  
40.05 Intersect the original  $\frac{1}{4}$  sec. cor. of secs. 3 and 34, which is a granite stone, 8x6x6 ins. above ground, firmly set; marked  $\frac{1}{4}$  34 on N. face, and  $\frac{1}{4}$  3 on S. face, and witnessed by faint traces of two pits, one each E. and W. of cor. The original bearing tree has disappeared.  
Reconstruct this cor. as follows: Alongside old stone, 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.



No bearing trees available.  
Redig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist.  
Thence,  
West, on true line, bet. secs. 3 and 34 (W.  $\frac{1}{2}$ ).  
Over rolling land, thru. scattering timber and dense undergrowth.  
8.10 Wash, 30 lks. wide, course N.  
17.20 Wash, 30 lks. wide, course N, 10° E.  
29.71 Wire fence, brs. N. and S.  
32.18 Wash, 20 lks. wide, course N.  
40.03 Intersect the original cor. of secs. 3, 4, 33 and 34, which is a granite stone, 10x10x6 ins., above ground, firmly set, marked with 3 notches on each of E. and W. edges and witnessed by faint traces of two pits, one each SW. and NE. of cor. The original bearing trees have disappeared.  
Reconstruct this cor. as follows: Alongside old stone, Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, marked on brass cap.

## 20 Resurvey of South bdy. of Township 16 South, Range 11 East.

Chains.

T16S	R11E
S33	S34
S 4	S 3
T17S	
1921	

No bearing trees available.  
 Redig pits, 18x18x12 ins., one each NE., SE., SW. and NW.  
 of post, 3 ft. dist.  
 Land, rolling,  
 Soil, sandy, 3rd rate.  
 Timber, palo verde, and mesquite.  
 Undergrowth, catclaw, yucca, tesota and cactus.

N. 89°58'W., on a true line, bet. secs. 4 and 33 (E.  $\frac{1}{2}$ ).  
 Over rolling land, thru. scattering timber and dense  
 undergrowth.

- 1.50 Center of wash, 100 lks. wide, course N.  
 Ascend 30 ft., over E. slope.  
 15.00 Low ridge, brs. N. and S. Top of rocky hill brs. N. 5 chs.  
 dist.  
 Descend 35 ft., over W. slope.  
 25.50 Wash, 20 lks. wide, course NW.  
 40.02 Intersect the original  $\frac{1}{4}$  sec. cor. of secs. 4 and 33, which  
 is a granite stone, 12x12x4 ins. above ground, firmly  
 set, marked  $\frac{1}{4}$  33 on N. face, and  $\frac{1}{4}$  4 on S. face, and  
 witnessed by faint traces of two pits, one each E. and  
 W. of cor.

No bearing trees.  
 Reconstruct this cor. as follows: Alongside old stone,  
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for  $\frac{1}{4}$  sec. cor. of secs. 4 and 33, marked on  
 brass cap,

$\frac{1}{4}$	S 33
	S 4
1921	

No bearing trees available.  
 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.  
 Thence,

N. 89°57'W., on a true line, bet. secs. 4 and 33 (W.  $\frac{1}{2}$ ).  
 Over gently rolling land, thru. scattering timber and  
 dense undergrowth.

- 3.08 Wash, 40 lks. wide, course N. 39°W.  
 20.10 Center of wash, 250 lks. wide, course N.  
 25.58 Wash, 50 lks. wide, course N. 10°W. Enter level land.  
 40.07 Intersect the original cor. of secs. 4, 5, 32 and 33, which  
 is a granite stone, 8x6x5 ins. above ground, firmly  
 set, marked with 2 notches on W. edge, and 4 notches  
 on E. edge, and witnessed by faint traces of three pits,  
 one each NE., SE. and NW. of cor. The original bearing  
 tree has disappeared.

Reconstruct this cor. as follows. Alongside old stone,  
 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in  
 the ground, for cor. of secs. 4, 5, 32 and 33, marked on  
 brass cap,

T16S	R11E
S32	S33
S 5	S 4
T17S	
1921	

No bearing trees available.  
 Raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.  
 Land, rolling and level.

Resurvey of the South bdy. of Township 16 South Range 11 East. 21

Chains.

Soil, sandy, 3rd rate.  
Timber, palo verde and mesquite.  
Undergrowth, catclaw, yucca, tesota and cactus.

N. 89° 58' W., on a true line, bet. secs. 5 and 32 (E. 1/2).  
Over level land, thru. scattering timber and dense undergrowth, parallel to fence S. of line, about 20 lks. dist.

- 4.05 Wash, 50 lks. wide, 5 ft. deep, course NW.
- 6.95 Road, brs. N. and S. Extends thru. fence S. of line.
- 8.25 Wash, 40 lks. wide, 5 ft. deep, course N.
- 32.05 Wash, 20 lks. wide, course N. 20° W.
- 40.05 Intersect the original 1/4 sec. cor. of secs. 5 and 32, which is a granite stone, 8x8x6 ins. above ground, firmly set, marked 1/4 32 on N. face, and 1/4 5 on S. face, and witnessed by faint traces of two pits, one each E. and W. of cor. The original bearing tree has disappeared.  
Reconstruct this cor. as follows: Alongside old stone, Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor. of secs. 5 and 32, marked on brass cap,

1/4	S	32
	S	5
		1921

No bearing trees available. Dig pits, 18x18x12 ins., one each, E. and W. of post, 3 ft. dist.

Thence,  
N. 89° 58' W., on a true line, bet. secs. 5 and 32 (W. 1/2).  
Over level land, thru. scattering timber and dense undergrowth, parallel to fence about 20 lks. S.

- 14.05 Wash, 30 lks. wide, course NW.
- 16.85 Same wash, course SW.
- 19.55 Same wash, course NW.
- 31.15 Wash, 30 lks. wide, course NW.
- 34.05 Center of wash, 100 lks. wide, course NW.
- 40.05 Intersect the original cor. of secs. 5, 6, 31 and 32, which is a granite stone, 8x6x4 ins. above ground, firmly set, marked with 1 notch on W. edge, and 5 notches on E. edge, and witnessed by faint traces of four pits, one each NE., SE., SW. and NW. of cor. No bearing trees.  
Reconstruct this cor. as follows: Alongside old stone, Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, marked on brass cap,

T16S	R11E
S31	S32
S 6	S 5
	T17S
	1921

No bearing trees available. Redig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, level.  
Soil, sandy, 3rd rate.  
Timber, palo verde and mesquite.  
Undergrowth, catclaw, yucca, tesota and cactus.

N. 89° 58' W., on a true line, bet. secs. 6 and 31 (E. 1/2).  
Over level land, thru. scattering timber and dense undergrowth, parallel to fence 10 lks. S. of line.

- 6.10 Road, brs. N. 30° W. and S. 30° E. Extends thru. gate in the fence S. of line.
- 10.50 Wash, 20 lks. wide, course N. 30° W.
- 16.70 Wash, course SW. from SE.

22 Resurvey of South bdy. of Township 16 South, Range 11 East.

Chains.

23.10 Same wash, 50 lks. wide, course N. 49° W. Enter gently rolling land.

40.10 Intersect the original  $\frac{1}{4}$  sec. cor. of secs. 6 and 31, which is a granite stone, 12x12x6 ins. above ground, firmly set, marked  $\frac{1}{4}$ 31 on N. face and  $\frac{1}{4}$ 6 on S. face, and witnessed by faint traces of two pits, one each E. and W. of cor. No bearing trees.

Reconstruct this cor. as follows: Alongside old stone, set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. of secs. 6 and 31, marked on brass cap,

$\frac{1}{4}$  S 31  
S 6  
1921

No bearing trees available. Redig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist.

Thence,

West, on a true line, bet. secs. 6 and 31 (W.  $\frac{1}{2}$ ).

Over gently rolling land, thru. scattering timber and dense undergrowth, parallel to fence, 10 lks. S. of line.

17.90 Wash, 40 lks. wide, course NW.

29.50 Intersect the closing cor. of Ts. 16 and 17 S., R. 11 E., here-  
inbefore described.

Land, level and gently rolling.

Soil, sandy, 3rd rate.

Timber, palo verde and mesquite.

Undergrowth, catclaw, yucca, tesota and cactus.

Fair grass, catclaw, yucca, tesota and cactus.

Fair grass.





5598

## Resurvey of part of East bdy. of Township 16 South, Range 11 East, 23

Chains.

The East boundary of T.16 S., R.11 E., was surveyed in 1872 by T.F.White, U.S.D.S. The North five miles of this boundary were resurveyed in 1888 by L. D. Chillson, U.S.D.S.

The entire line was resurveyed by C.M. Leedy, U.S.S. in 1915, who, however, did not reestablish the  $\frac{1}{4}$  sec. cor. of secs. 31 and 36, which he was unable to find. No later resurvey or retracement of any part of this line is of record.

Retracement for Resurvey.

From the cor. of Ts.16 and 17 S., Rs.11 and 12 E., hereinbefore described,

40.00 N.0°9'W., on a random line, bet. secs.31 and 36. Diligent search in this vicinity failed to reveal any trace of the  $\frac{1}{4}$  sec.cor. of secs. 31 and 36.

80.55 Fall 2 lks.W. of the cor. of secs.25,30,31 and 36, herein-after described.

The true course and distance of line, bet. secs.31 and 36 are therefore N.0°8'W., 80.55 chs.

Resurvey.

From the cor. of Ts.16 and 17 S., Rs.11 and 12 E., hereinbefore described,

N.0°8'W., on a true line, bet. secs.31 and 36.

Over gently rolling land, thru. very scattering timber and dense undergrowth.

3.50 Wash, 50 lks.wide, course NE.

19.50 Center of wash, 140 lks.wide, course NE.

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 only, marked on brass cap,

1/4S36

1921

No bearing trees available. Dig pits, 18x18x12 ins., one each N.and S.of post, 3 ft. dist.

40.27 (Midpoint of W.bdy.of sec.31) 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,

1/4S31

1921

No bearing trees available. Dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

80.55 Intersect the cor.of secs.25,30,31 and 36, which is an iron post, 3 ins. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by four pits, one each NE., SE., SW. and NW. of cor., a mound of earth W.of cor., and two bearing trees as follows:

A mesquite, 7 ins. in diam., S.69°W., 75 lks. dist., marked T16S R11E S36 BT.

A mesquite, 12 ins.in diam., N.25°W., 157 lks. dist., marked T16S R11E S25 PIR BT.

This cor.is on the S. bdy. of the Papago Indian Reservation, which bdy. extends easterly and westerly from this cor., identical with the subdivision lines.

Land, gently rolling.

Soil, sandy, 3rd rate.

Timber, very scattering palo verde and mesquite.

Undergrowth, catclaw, yucca, tesota and cactus.

## 24 Resurvey of part of the Subdivision lines of T.16 S., R.11 E.

Chains.

The subdivided portion of T.16 S., R.11 E., embraces the East half of the Tp., with the exception of secs. 34, 35, and 36, and all of such portion is within the Papago Indian Reservation. This part of the Tp. was surveyed and the sections divided into sixteenths by L.D. Chilson, U.S.D.S. in 1888. All of the subdivision lines, with the exception of the sixteenth sec. lines were resurveyed in 1916 by C.M. Leedy, U.S.S., who reestablished the sixteenth sec. cors. only on the subdivision lines which form part of the south and west boundaries of the Papago Indian Reservation. No later resurvey or retracement of the subdivision lines of this township is of record.

The following notes describe a resurvey of the West bdrs. of secs. 3, 10 and 15, which forms part of the W. bdy. of the Papago Indian Reservation, changing the cor. monuments thereon to refer to areas E. of the line only.

-----  
Retracement for Resurvey.

From the cor. of secs. 15, 16, 21 and 22, hereinafter described,

19.95 N.0°29'W., on retracement on W. bdy. of sec. 15 ( $S\frac{1}{2}S\frac{1}{2}$ ).  
Intersect the S.1/16 sec. cor. of secs. 15 and 16, hereinafter described.

True course and dist. of  $S\frac{1}{2}$  of  $S\frac{1}{2}$  of W. bdy. of sec. 15 are therefore N.0°29'W., 19.95 chs.

19.98 Thence,  
N.0°29'W., on retracement on W. bdy. of sec. 15 ( $N\frac{1}{2}S\frac{1}{2}$ ).  
Intersect the  $\frac{1}{4}$  sec. cor. of secs. 15 and 16, hereinafter described.

True course and dist. of  $N\frac{1}{2}$  of  $S\frac{1}{2}$  of W. bdy. of sec. 15 are therefore N.0°29'W., 19.98 chs.

19.98 Thence,  
N.0°29'W., on retracement on W. bdy. of sec. 15 ( $S\frac{1}{2}N\frac{1}{2}$ ).  
Intersect the N.1/16 sec. cor. of secs. 15 and 16, hereinafter described.

True course and dist. of  $S\frac{1}{2}$  of  $N\frac{1}{2}$  of W. bdy. of sec. 15 are therefore N.0°29'W., 19.98 chs.

19.95 Thence,  
N.0°29'W. on retracement on W. bdy. of sec. 15 ( $N\frac{1}{2}N\frac{1}{2}$ ).  
(79.86 chs. N.0°29'W. from cor. of secs. 15, 16, 21 and 22)  
Intersect the cor. of secs. 9, 10, 15 and 16, hereinafter described.

True course and dist. of  $N\frac{1}{2}$  of  $N\frac{1}{2}$  of W. bdy. of sec. 15 are therefore N.0°29'W., 19.95 chs.

The true course and dist. of W. bdy. of sec. 15 are therefore N.0°29'W., 79.86 chs. with all cors. in alinement on said course at intervals as shown by above described retracement.

19.96 From the cor. of secs. 9, 10, 15 and 16,  
N.0°29'W., on retracement, on W. bdy. of sec. 10 ( $S\frac{1}{2}S\frac{1}{2}$ ).  
Intersect the S.1/16 sec. cor. of secs. 9 and 10, hereinafter described.

True course and dist. of  $S\frac{1}{2}$  of  $S\frac{1}{2}$  of W. bdy. of sec. 10, are therefore N.0°29'W., 19.96 chs.

19.97 Thence,  
N.0°29'W., on retracement on W. bdy. of sec. 10 ( $N\frac{1}{2}S\frac{1}{2}$ ).  
Intersect previously reestablished point for  $\frac{1}{4}$  sec. cor. of secs. 9 and 10, witnessed at 1.00 ch. N.0°29'W., as hereinafter described.

True course and dist. of  $N\frac{1}{2}$  of  $S\frac{1}{2}$  of W. bdy. of sec. 10 are therefore N.0°29'W., 19.97 chs.

1.00 From true point for  $\frac{1}{4}$  sec. cor.,  
N.0°29'W., on retracement on W. bdy. of sec. 10 ( $S\frac{1}{2}N\frac{1}{2}$ ).  
Intersect the previously reestablished witness cor. to  $\frac{1}{4}$  sec. cor. of secs. 9 and 10, hereinafter described.

## Resurvey of part of Subdivision lines of T.16 S., R. 11 E. 25

- Chains.
- 19.96 Continue line and measurement.  
Intersect the N.1/16 sec.cor. of secs.9 and 10, hereinafter described.  
True course and dist. of S.  $\frac{1}{2}$  of N.  $\frac{1}{2}$  of W. bdy. of sec.10 are therefore, N.0°29'W., 19.96 chs.
- 19.97 Thence,  
N.0°29'W., on retracement, on W. bdy. of sec.10 (N.  $\frac{1}{2}$  N.  $\frac{1}{2}$ ).  
(79.86 chs. N.0°29'W., from cor. of secs.9, 10, 15 and 16) Intersect the cor. of secs.3, 4, 9 and 10, hereinafter described.  
True course and dist. of N.  $\frac{1}{2}$  of N.  $\frac{1}{2}$  of W. bdy. of sec.10 are therefore N.0°29' W., 19.97 chs.
- The true course and dist. of W. bdy. of sec.10 are therefore N.0°29'W., 79.86 chs., with all cors. in alinement on said course at intervals as shown by above described retracement.
- 20.04 From the cor. of secs.3, 4, 9 and 10,  
N.0°18'W., on retracement, on W. bdy. of sec.3 (S.  $\frac{1}{2}$  S.  $\frac{1}{2}$ ).  
Intersect the S.1/16 sec.cor. of secs.3 and 4, hereinafter described.  
True course and dist. of S.  $\frac{1}{2}$  of S.  $\frac{1}{2}$  of W. bdy. of sec.3 are therefore N.0°18'W., 20.04 chs.
- 20.04 Thence,  
N.0°18'W., on retracement, on W. bdy. of sec.3 (N.  $\frac{1}{2}$  S.  $\frac{1}{2}$ ).  
Intersect the  $\frac{1}{4}$  sec.cor. of secs. 3 and 4, hereinafter described.  
True course and dist. of N.  $\frac{1}{2}$  of S.  $\frac{1}{2}$  of W. bdy. of sec.3 are therefore N.0°18'W., 20.04 chs.
- 20.04 Thence,  
N.0°18'W., on retracement, on W. bdy. of sec.3 (S.  $\frac{1}{2}$  N.  $\frac{1}{2}$ ).  
Intersect the N. 1/16 sec.cor. of secs.3 and 4, hereinafter described.  
True course and dist. of S.  $\frac{1}{2}$  of N.  $\frac{1}{2}$  of W. bdy. of sec.3 are therefore N.0°18'W., 20.04 chs.
- 29.94 Thence,  
N.0°18'W., on retracement on W. bdy. of sec.3 (N.  $\frac{1}{2}$  N.  $\frac{1}{2}$ ).  
(90.06 chs. N.0°18'W., from cor. of secs.3, 4, 9 and 10) Intersect the closing cor. of secs. 3 and 4, on 3rd Std. Par. S., hereinafter described.  
True course and dist. of N.  $\frac{1}{2}$  of N.  $\frac{1}{2}$  of W. bdy. of sec.3 are therefore N.0°18'W., 29.94 chs.  
The true course and dist. of W. bdy. of sec.3 are therefore N.0°18'W., 90.06 chs., with all cors. in alinement on said course at intervals as shown by above described retracement.

Resurvey.

The cor. of secs. 15, 16, 21 and 22 is an iron post, 3 ins. in diam., properly marked on brass cap, projecting 12 ins. above ground, firmly set alongside old mesquite post 4 ins. square, marked with 3 notches on each of N. and S. edges, and witnessed by 4 bearing trees, as follows:

- A palo verde, 7 ins. in diam., N.88°E., 90 lks. dist., marked T16S R11E S15 PIR BT.
- A mesquite, 12 ins. in diam., S.57 $\frac{1}{2}$ °E., 124 lks. dist., marked T16S R11E S22 PIR BT.
- A palo verde, 11 ins. in diam., S.30°W., 244 lks. dist., marked T16S R11E S21 BT.
- A palo verde, 6 ins. in diam., N.86 $\frac{1}{2}$ °W., 142 lks. dist., marked T16S R11E S16 BT.

Thence,  
N.0°29'W., on true line, on W. bdy. of sec.15 (S.  $\frac{1}{2}$  S.  $\frac{1}{2}$ ) and W. bdy. of P.I.R.

Over gently rolling land, thru. scattering timber and undergrowth.

- 7.20 Wash, 5 lks. wide, course NW.  
19.95 Intersect previously reestablished S.1/16 sec.cor. of secs.

26 Resurvey of part of Subdivision lines of T.16 S. R.11 E.

Chains.

15 and 16, which is an iron post, 1 in. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two bearing trees as follows:

A mesquite, 20 ins. in diam., N.74 1/4° E., 250 lks. dist., marked S 1/16 S15 PIR BT.

A mesquite, 6 ins. in diam., N.3 1/4° W., 76 lks. dist., marked S 1/16 S16 BT.

Alter this cor. to refer to sixteenths in sec.15 only by obliterating the marking S16 on the NW. bearing tree and the marking S16 on the W. half of the brass cap on the post.

No other bearing tree available E. of line.

Thence,

N.0°29'W., on true line, on W. bdy. of sec.15 (S 1/2 N 1/2) & W. bdy. of P.I.R. over gently rolling land, thru. scat. timber & undergrowth. Wash, 20 lks. wide, course NW.

2.75  
19.98

Intersect the previously reestablished 1/4 sec. cor. of secs. 15 and 16, which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two bearing trees as follows:

A mesquite, 7 ins. in diam., S.28° E., 37 lks. dist., marked 1/4 S15 PIR BT.

A mesquite, 9 ins. in diam., N.50° W., 58 lks. dist., marked 1/4 S16 BT.

Alter this cor. to refer to quarters in sec.15 only by obliterating the marking S16 on the W. side of the brass cap on the post. No other bearing tree E. of line is available. The NW. bearing tree now becomes an accessory to the reestablished 1/4 sec. cor. of sec.16, as described as follows:

Thence,

N.0°29'W. on true line on W. bdy. of sec.15 (S. 1/2 N. 1/2) and W. bdy. of P.I.R.

Over gently rolling land, thru. scattering timber and undergrowth.

0.31

(40.24 chs. N.0°29'W. from cor. of secs.15,16,21 and 22. Midpoint of E. bdy. of sec.16)

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished 1/4 sec. cor. of sec.16 only, marked on brass cap,

1/4 S16

1921

from which,

A mesquite, 9 ins. in diam., brs. N.85° W., 48 lks. dist., marked 1/4 S 16 BT., which is one

of the bearing trees previously established for the 1/4 sec. cor. of secs.15 and 16.

No other bearing trees available. Dig pits, 18x18x12 ins. one each N. and S. of post, 3 ft. dist.

Continue line and measurement.

19.98

Intersect the previously reestablished N.1/16 sec. cor. of secs.15 and 16, which is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two bearing trees as follows:

A palo verde, 9 ins. in diam., N.54° E., 125 lks. dist., marked N 1/16 S15 PIR BT.

A mesquite, 6 ins. in diam., N.10 1/2° W., 92 lks. dist., mkd. N.1/16 S16 BT.

Alter this cor. to refer to sixteenths in sec.15 only by obliterating the marking S16 on the NW bearing tree and the marking S16 on the W. half of the brass cap on the post. No other bearing tree available E. of line.

BOOK 27

Resurvey of part of Subdivision lines of Township 16 South, Range 11 East

Chains.

- 19.95 Thence,  
N.0°29'W., on true line, on W. bdy. of sec. 15 (N.  $\frac{1}{2}$  N.  $\frac{1}{2}$ ) and  
West bdy. of P.I.R.  
Over gently rolling land, thru. scattering timber and  
undergrowth.  
(79.86 chs. N.0°29'W. from cor. of secs. 15, 16, 21 and 22)  
Intersect the previously reestablished cor. of secs. 9, 10,  
15 and 16, which is an iron post 3 ins. in diam., project-  
ing 10 ins. above ground, firmly set, properly marked  
on brass cap, and witnessed by four bearing trees as  
follows:  
A mesquite, 6 ins. in diam., N. 89 $\frac{1}{2}$ ° E., 105 lks.  
dist., marked T16S R11E S10 PIR BT.  
A mesquite, 7 ins. in diam., S. 18 $\frac{1}{2}$ ° E., 150 lks.  
dist., marked T16S R11E S15 PIR BT.  
A mesquite, 9 ins. in diam., S. 27 $\frac{1}{2}$ ° W., 205 lks.  
dist., marked T16S R11E S16 BT.  
A mesquite, 6 ins. in diam., N. 63 $\frac{1}{2}$ ° W., 160 lks.  
dist., marked T16S R11E S9 BT.  
Alter this cor. to refer to secs. 10 and 15 only by oblit-  
erating the markings on the NW. and SW. bearing trees,  
and the marking S9 S16 on the W. half of the brass cap,  
on the post.  
Land, gently rolling.  
Soil, sandy, 2nd rate.  
Timber, mesquite and palo verde.  
Undergrowth, catclaw, yucca, tesota and cactus.
- 
- 0.62 N.0°29'W., on true line on W. bdy. of sec. 10 (S.  $\frac{1}{2}$  S.  $\frac{1}{2}$ ), and  
W. bdy. of P.I.R.  
Over gently rolling land, thru. scattering timber and  
undergrowth.  
(80.48 chs. N.0°29'W. from cor. of secs. 15, 16, 21 and 22),  
Point of intersection of the Subdivision line, bet. secs.  
9 and 16; surveyed due East. Closing cor. of said secs.  
established at this point, as hereinafter described.  
Continue line and measurement.
- 1.80 Wash, 15 lks. wide, course NW.  
19.96 Intersect the previously reestablished S. 1/16 sec. cor.  
of secs. 9 and 10, which is an iron post, 1 in. in diam.,  
projecting 12 ins. above ground, firmly set, properly  
marked on brass cap, and witnessed by two bearing  
trees as follows:  
A mesquite, 7 ins. in diam., S. 58 $\frac{1}{2}$ ° E., 39 lks.  
dist., marked S 1/16 S10 PIR BT.  
A mesquite, 7 ins. in diam., S. 89 $\frac{1}{2}$ ° W., 9 lks.  
dist.; marked S 1/16 S 9 BT.  
Alter this cor. to refer to sixteenths in sec. 10 only by  
obliterating the marking S9 on the SW. bearing tree,  
and the marking S9 on the W. half of the brass cap, on  
the post.  
No other bearing tree available E. of line.
- 1.35 Thence,  
19.97 N.0°29'W. on true line on W. bdy. of sec. 10 (N.  $\frac{1}{2}$  S.  $\frac{1}{2}$ ), and  
W. bdy. of P.I.R.  
Over gently rolling land, thru. scattering timber and  
undergrowth.  
Wash, 20 lks. wide, course NW:  
Intersect the previously reestablished point for  $\frac{1}{4}$  sec.  
cor. of secs. 9 and 10 in wash, 10 lks. wide, course N.  
10°W. from S. 10°E. This now becomes point for  $\frac{1}{4}$  sec. cor.  
of sec. 10 only, and is witnessed at 1.00 ch. N.0°29'W.,  
as hereinafter described.  
From true point for  $\frac{1}{4}$  sec. cor. of sec. 10, N.0°29'W. on true  
line on W. bdy. of sec. 10 (S.  $\frac{1}{2}$  S.  $\frac{1}{2}$ ) and W. bdy. of P.I.  
R.  
Over gently rolling land, thru. scattering timber and  
undergrowth.

## 28 Resurvey of part of Subdivision lines of T. 16 S., R. 11 E.

Chains.

0.72 (40.03 chs. N. 0° 29' W. from cor. of secs. 9 and 16, midpoint of E. bdy. of sec. 9) 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. 9 only, marked on brass cap,

S9

1921

from which,

A mesquite, 5 ins. in diam., brs. N. 57 $\frac{1}{2}$ ° W., 49 lks. dist., marked  $\frac{1}{4}$  S9 BT., and

A palo verde, 7 ins. in diam., brs. S. 85 $\frac{1}{2}$ ° W., 101

lks. dist., marked  $\frac{1}{4}$  S9 BT., which is the old NW. bearing tree to the witness cor. to  $\frac{1}{4}$  sec. cor. of sec. 10, as hereinafter described.

Continue line and measurement.

1.00 Intersect the previously reestablished witness cor. to  $\frac{1}{4}$  sec. cor. of secs. 9 and 10, which is an iron post, 1 in. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two bearing trees as follows:

A palo verde, 9 ins. in diam., N. 28 $\frac{1}{4}$ ° E., 108 lks. dist., marked WC  $\frac{1}{4}$  S 10 PIR BT.

A palo verde, 7 ins. in diam., N. 57 $\frac{1}{2}$ ° W., 120 lks. dist., marked WC  $\frac{1}{4}$  S 9 BT.

Alter this witness cor. to refer to point for  $\frac{1}{4}$  sec. cor. of sec. 10 only by obliterating the marking WC on the NW. bearing tree, and the marking S9 on the W. half of the brass cap on the post. No other bearing tree available E. of line.

Continue line and measurement.

5.27 Wash, 10 lks. wide, course NW.

19.96 Intersect the N. 1/16 sec. cor. of secs. 9 and 10, which is an iron post, 1 in. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two bearing trees, as follows:

A palo verde, 7 ins. in diam., N. 82 $\frac{1}{2}$ ° E., 67 lks. dist., marked 1/16 S10 PIR BT.

A palo verde, 9 ins. in diam., N. 89 $\frac{1}{4}$ ° W., 129 lks. dist., marked N 1/16 S9 BT.

Alter this cor. to refer to sixteenths in sec. 10 only by obliterating the marking S9 on the W. half of brass cap on the post, and also the same marking on the NW. bearing tree. No other bearing trees E. of line available.

Thence,

N. 0° 29' W., on true line, on W. bdy. of sec. 10 (N.  $\frac{1}{2}$  N.  $\frac{1}{2}$ ) and W. bdy. of P. I. R.

Over gently rolling land, thru. scattering timber and undergrowth.

19.97 (79.86 chs. N. 0° 29' W. from cor. of secs. 10 and 15), Intersect the previously reestablished cor. of secs. 3, 4, 9 and 10, which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by four bearing trees as follows:

A palo verde, 11 ins. in diam., N. 45° E., 100 lks. dist., marked III.

A mesquite, 6 ins. in diam., S. 69 $\frac{1}{2}$ ° E., 170 lks. dist., marked T16S R11E S10 PIR BT.

A palo verde, 9 ins. in diam., S. 38 $\frac{1}{2}$ ° W., 151 lks. dist., marked T16S R11E S9 BT.

A palo verde, 6 ins. in diam., N. 73 $\frac{1}{4}$ ° W., 170 lks. dist., marked T16S R11E S4 BT.

Alter this cor. to refer to secs. 3 and 10 only by obliterating the marking S4 S9 on the W. half of the brass cap on the post; and also the same marking on the NW. and SW. bearing trees.

Land, gently rolling.

Resurvey of part of Subdivision lines of T. 16 S., R. 11 E. 29

Chairs.

Soil, sandy, 2nd rate.  
Timber, palo verde and mesquite.  
Undergrowth, catclaw, yucca, tesota and cactus.

0.81 N.0°18'W., on true line on W. bdy. of sec. 3 (S. 1/2 S. 1/2) and W. bdy. of P.I.R.  
Over gently rolling land, thru. scattering timber and undergrowth.  
(80.95 chs. northing from closing cor. of secs. 9 and 16)  
Point of intersection of the Subdivision line, bet. secs. 4 and 9, surveyed due east. Closing cor. of said secs. established at this point, as hereinafter described.  
20.04 Intersect the reestablished S. 1/16 sec. cor. of secs. 3 and 4, which is an iron post, 1 in. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two bearing trees, as follows:

- A palo verde, 6 ins. in diam., S. 67 1/2° E., 156 lks. dist., marked S 1/16 S 3 PIR BT.
- A mesquite, 6 ins. in diam., N. 13° W., 23 lks. dist., marked S 1/16 S 4 BT.

Alter this cor. to refer to sixteenths in sec. 3 only by obliterating the marking S4 on the W 1/2 of the brass cap on the post, and also the same marking on the NW. bearing tree. No other bearing tree E. of line is available.

Thence,  
N.0°18'W., on true line, on W. bdy. of sec. 3 (N. 1/2 S. 1/2 and W. bdy. of P.I.R.)  
Over gently rolling land, thru. scattering timber and undergrowth.

2.85 Wash, 15 lks. wide, course NW.  
18.75 Wash, 20 lks. wide, course NW.

20.04 Intersect the previously reestablished 1/4 sec. cor. of secs. 3 and 4, which is an iron post, 1 in. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two bearing trees as follows:

- A mesquite, 6 ins. in diam., S. 32 1/4° E., 70 lks. dist., marked 1/4 S 3 PIR BT.
- A mesquite, 11 ins. in diam., S. 68 1/4° W., 48 lks. dist., marked 1/4 S 4 BT.

Alter this cor. to refer to quarters of sec. 3 only by obliterating the markings S4 in the W. half of the brass cap on the post. Leave the marking on the SW. bearing tree undisturbed as said BT becomes an accessory to the reestablished 1/4 sec. cor. of sec. 4 only, hereinafter described. No other bearing tree E. of line is available.

Thence,  
N.0°18'W., on a true line, on W. bdy. of sec. 3 (S. 1/2 N. 1/2), and W. bdy. of P.I.R.  
Over gently rolling land, thru. scattering timber and undergrowth.

0.73 (40.00 chs. N.0°18'W., from closing cor. of secs. 4 and 9),  
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished 1/4 sec. cor. of sec. 4 only, marked on brass cap,

S 4  
1921

from which,  
A mesquite, 4 ins. in diam., brs. N. 59° W., 70 lks. dist., marked B T, and  
A mesquite, 11 ins. in diam., brs. S. 26 1/2° W., 102 lks. dist., marked 1/4 S 4 BT., which is the old SW.

## 30 Resurvey of part of the Subdivision lines of T. 16 S., R. 11 E.

Chains.

- bearing tree to the  $\frac{1}{4}$  sec. cor. of secs. 3 and 4, as hereinbefore described.
- 9.00 Continue line and measurement.
- 20.04 Wash, 20 lks. wide, course NW.
- 20.04 Intersect the previously reestablished N. 1/16 sec. cor. of secs. 3 and 4, which is an iron post, 1 in. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by two bearing trees as follows:
- A palo verde, 6 ins. in diam., S.  $53\frac{1}{4}^{\circ}$  E., 228 lks. dist. marked N 1/16 S3 PIR BT.
- A palo verde, 7 ins. in diam., S.  $48\frac{3}{4}^{\circ}$  W., 169 lks. dist., marked N 1/16 S4 BT.
- Alter this cor. to refer to sixteenths in sec. 3 only by obliterating the marking S4 in the W. half of the brass cap on the post, and also the same marking on the SW. bearing tree.
- Thence,  
N.  $0^{\circ}18'$  W., on a true line, on W. bdy. of sec. 3 (N.  $\frac{1}{2}$  N.  $\frac{1}{2}$ ), and W. bdy. of P.I.R.
- Over gently rolling land, thru. scattering timber and undergrowth.
- 29.94 (89.25 chs. N.  $0^{\circ}18'$  W. from closing cor. of secs. 4 and 9), Intersect the closing cor. of secs. 3 and 4, T. 16 S., R. 11 E., on the 3rd Std. Par. S., which is an iron post, 3 ins. in diam., projecting 12 ins. above ground, properly marked on brass cap, firmly set alongside the original closing cor. monument, which is a mesquite post, properly marked and witnessed by three pits, one each, E., W. and S. of post, and a mound of earth S. of cor.
- No bearing trees. No alteration of this cor. monument is required. From this cor., the W. bdy. of the Papago Indian Reservation extends westerly to the std. cor. of secs. 32 and 33, thence northerly along the subdivision line, bet. secs. 32 and 33.
- Land, gently rolling.
- Soil, sandy, 2nd rate.
- Timber, palo verde and mesquite.
- Undergrowth, catclaw, yucca, tesota and cactus.
-



BOOK 2898

37

Line designated.	True courses.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
Chains.	Boundaries of that portion of T.16 S., R.11 E., surveyed under instructions for Group 117, Arizona. (All of said Tp., except the 15 secs. within the Papage Indian Reservation).					
-----						
Latitudes, departures and closing errors.						
-----						
South boundary,	S. 89° 59' W. West, S. 89° 58' W. West, N. 89° 58' W. N. 89° 57' W. N. 89° 58' W. West,	80.08 40.16 40.06 80.08 40.02 40.07 120.20 29.50			.02 . . . .02 .03 .07	80.08 40.16 40.06 80.08 40.02 40.07 120.20 29.50
West boundary	North, N. 0° 3' E. N. 0° 2' E. N. 0° 13' E. N. 0° 3' E. N. 0° 31' E. N. 0° 4' E. North,	10.53 80.46 80.15 39.97 40.17 79.90 79.90 76.49	10:53 80:46 80:15 39:97 40:17 79:90 79:90 76:49			.07 .05 .15 .03 .72 .09
North boundary (3rd Std. Par. S.)	N. 89° 33' E. N. 89° 13' E. N. 89° 39' E. N. 88° 45' E.	25.15 40.22 160.18 0.34	.20 .55 .98 :01			25.15 40.22 160.18 .34
Subdivisional Bdy. (Portions of W. & S. bdrs. of Papago Indian Res.)	S. 0° 18' E. S. 0° 29' E. S. 0° 26' E. N. 89° 50' E. N. 89° 58' E. N. 87° 12' E. N. 89° 37' E. N. 89° 19' E. S. 87° 27' E.	90.06 159.72 159.24 40.00 20.12 19.82 80.16 41.06 38.73			90.06 159.72 159.24 .12 .01 .98 .54 .49	.47 1.35 1.21 40.00 20.12 19.80 80.16 41.06 38.69
East boundary,	S. 0° 8' E.	80.55			80.55	.19
Convergency,						.26
Totals,			491.51	491.34	470.31	470.17
			491.34		470.17	
Error in latitude,			0.17			
Error in departure,					0.14	

## 32 Survey of part (completion) of Subdivision lines of T.16 S., R.11 E.

Chains.

The following notes describe the survey of the Subdivision lines of all that part of T.16 S., R.11 E., which is outside the boundary of the Papago Indian Reservation, and such survey completes the subdivision of the Tp. The previously subdivided portion of the Tp., which is entirely within the boundaries of said Reservation was surveyed in 1888 by L. D. Chillson, U.S.D.S., and re-surveyed in 1915 by C.M. Leedy, U.S.S. No later resurvey or retracement of the subdivision lines is of record.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of Tp., hereinbefore described,

N.  $0^{\circ}9'W.$ , on a random line, bet. secs. 35 and 36.

40.00

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

81.86

Fall 30 lks. W. of the cor. of secs. 25, 26, 35 and 36, on S. bdy. of the Papago Indian Reservation, which is an iron post, 3 ins. in diam., projecting 8 ins. above ground, properly marked on brass cap, firmly set alongside the old sec. cor. monument, which is a mesquite post, 4 ins. square, properly marked and witnessed by 4 bearing trees, as follows:

A palo verde, 7 ins. in diam., N.  $48\frac{1}{4}^{\circ}E.$ , 195 lks. dist., marked T16S R11E S25 PIR BT.

A mesquite, 6 ins. in diam., S.  $12\frac{1}{2}^{\circ}E.$ , 145 lks. dist.; marked T16S R11E S36 BT.

A palo verde, 6 ins. in diam., S.  $79^{\circ}W.$ , 90 lks. dist.; marked T16S R11E S35 BT.

A mesquite, 6 ins. in diam., N.  $54^{\circ}W.$ , 461 lks. dist.; marked T16S R11E S26 PIR BT.

Thence,

S.  $0^{\circ}4'W.$ , on a true line; bet. secs. 35 and 36.

Over nearly level land, sloping slightly to the N., thru. scattering timber and dense undergrowth.

3.20

Road, brs. NE and SW.

41.86

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

1  
S35 | S36

1921

No bearing trees available.

Dig pits, 18x18x12 ins., one each N. and S. of post, 3 ft. dist.

81.86

Intersect the cor. of secs. 1, 2, 35 and 36, on S. bdy. of Tp., hereinbefore described.

Land, nearly level.

Soil, sandy, 3rd rate.

Timber, mesquite and palo verde.

Undergrowth, catclaw, yucca, tesota and cactus.

From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., hereinbefore described,

N:  $0^{\circ}4'E.$ , on a random line, bet. secs. 34 and 35.

40.00

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

81.41

Fall 21 lks. W. of the cor. of secs. 26, 27, 34 and 35 on S. bdy. of the Papago Indian Reservation, which is an iron post, 3 ins. in diam., properly marked on brass cap, projecting 32 ins. above ground, firmly set in a mound of stone alongside the old stone monument, which is a volcanic stone marked PIR on N. face, 2 notches on E. edge, and 1 notch on S. edge, and witnessed by a mound of stone, W. of cor. No bearing trees.

Thence,

S.  $0^{\circ}13'W.$ , on a true line, bet. secs. 34 and 35.

Over gently rolling land, thru. scattering timber and

BOOK 3598

Survey of part (completion) of Subdivision lines of T.16 S. R.11 E. 33

Chains

- 5.66 dense undergrowth.
- Wire fence, ,brs.E. and W.
- 6.40 From this point, top of rocky butte, 50 ft.high, brs.West 10 chs.dist.
- 18.80 Road, brs.E. and W.
- 22.60 From this point, top of knoll, brs.West about 10 chs. dist.,on which is a fence cor.,from which fence extends W.and S.
- 37.40 Draw, course N. 20°W.
- 41.41 Set an iron post, 3 ft.long, 1 in. in diam., 20 ins. in the ground to bed rock,and raise a mound of stone around post for 1/4 sec.cor., marked on brass cap,

$\frac{1}{4}$   
 S34 | S35  
 1921

- from which,
- A mesquite, 8 ins. in diam.,brs.N.35°W.,91 lks. dist., marked 1/4 S 34 BT.
- No other bearing trees available, Raise a mound of stone, 3 ft. base, 2 ft. high, W.of cor.
- 61.40 Wash,50 lks.wide, course NW. from SW.
- 64.40 Wash,30 lks.wide, course N.20°E.
- 80.60 Wash, 50 lks. wide, course NW.
- 81.41 Intersect the cor. of secs. 2,3, 34 and 35,on S. bdy.of Tp., hereinbefore described.
- Land, gently rolling.
- Soil, sandy 2nd rate,and rocky, 3rd rate.
- Timber, palo verde and mesquite.
- Undergrowth, black brush,yucca and cactus.

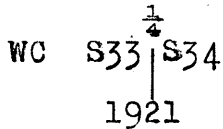
- 
- From the cor. of secs.3,4,33 and 34, on the S. bdy.of Tp., hereinbefore described,
  - N.0°12'E., on a random line, bet. secs.33 and 34.
  - 40.00 Set temp. 1/4 sec.cor.
  - 80.36 Fall 21 lks.W.of the cor. of secs.27,28, 33 and 34, which forms the SW. cor.of the Papago Indian Reservation, which is an iron post, 3 ins. in diam.,projecting 12 ins. above ground, properly marked on brass cap,firmly set alongside the old cor. monument, which is a mesquite post 4 ins. square,properly marked,and witnessed by 4 bearing trees, as follows:
  - A mesquite, 9 ins. in diam.,N.49°E.,120 lks. dist., marked T16S R11E S27 SW cor.PIR BT.
  - A palo verde, 6 ins. in diam., S.20 1/2°E.,250 lks.dist., marked T16S R11E S34 BT.
  - A palo verde,7 ins. in diam.,S.79 1/4°W.,165 lks. dist., marked T16S R11E S33 BT.
  - A mesquite,9 ins.in diam.,N.21 1/2°W.,52 lks. dist., marked T16S R11E S28 BT.
  - Also a granite boulder,32x48x24 ins.above ground, (in place)brs.N.47 1/4°E.,92 lks. dist.,marked XXVII.

- Thence,
- S.0°21'W., on a true line, bet. secs.33 and 34.
- Over gently rolling land, thru. scattering timber and dense undergrowth.
- 18.05 Center of wash,100 lks.wide, course N.30°W.
- 26.35 Road, brs.NE. and SW.
- 40.18 (Midpoint) The true point for 1/4 sec.cor. falls in edge of wash, 100 lks.wide, course N.10°E.from S.10°E., where it would be unsafe to monument the cor.;therefore, at a point 10 lks.E.from cor.point, Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.in the ground, for witness cor. to 1/4 sec.cor.,marked on

34. Survey of part (completion) of Subdivision lines of T.16S R11E.

Chains

brass cap,



No bearing trees available. Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, W. of cor.

43.85 Center of same wash, course N. 20° E.

55.65 Center of same wash, course N. 20° W.

66.35 Center of same wash, course N. 10° E.

75.45 Wash, 40 lks. wide, course NW.

80.36 Intersect the cor. of secs. 3, 4, 33 and 34 on S. bdy. of Tp., hereinbefore described.

Land, gently rolling.

Soil, sandy, 3rd rate.

Timber, mesquite and palo verde.

Undergrowth, catclaw, tesota, yucca and cactus.

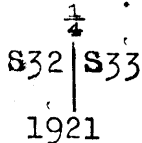
From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of Tp., hereinbefore described,

North, on Sectional Guide Meridian, bet. secs. 32 and 33.

Over level land, thru. scattering timber and dense undergrowth.

6.30 Road brs. NE. and SW.

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,



from which,

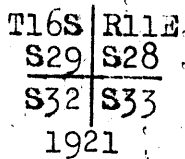
A mesquite, 10 ins. in diam., brs. S. 71 1/2° E., 200 lks. dist., marked 1/4 S 33 BT.

A mesquite, 8 ins. in diam., brs. N. 7 1/2° W., 215 lks. dist., marked 1/4 S 32 BT.

45.00 Head of wash, course NW. Leave dense, and enter scattering undergrowth.

79.80 Center of wash, 100 lks. wide, course NW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, marked on brass cap,



from which,

A mesquite, 8 ins. in diam., brs. N. 35 1/2° E., 340 lks. dist., marked T16S R11E S28 BT.

A mesquite, 10 ins. in diam., brs. S. 13 1/2° E., 254 lks. dist., marked T16S R11E S33 BT.

A palo verde, 6 ins. in diam., brs. S. 58 1/2° W., 160 lks. dist., marked T16S R11E S32 BT.

A palo verde, 10 ins. in diam., brs. N. 10° W., 308 lks. dist., marked T16S R11E S29 BT.

Land, level.

Soil, sandy, 2nd and 3rd rate.

Timber, palo verde and mesquite.

Undergrowth, catclaw, tesota, yucca, black brush and cactus.

S. 89° 57' E., on a random line, bet. secs. 28 and 33.

49.00 Set temp. 1/4 sec. cor.

80.63 Intersect N. and S. line, 54 lks. S. of the cor. of secs. 27, 28, 33 and 34, which forms SW. cor. of the Papago



36 Survey of part (completion) of Subdivision lines of T.16 S., R.11 E.

Chains.

40.00 N.89°40'W., on a random line, bet. secs.21 and 28.  
 Set temp.  $\frac{1}{4}$  sec.cor.  
 80.03 Intersect N. and S. line, 54 lks.N.of the cor.of secs.21,  
 22,27 and 28,on W. bdy.of the Papago Indian Reservation,  
 which is an iron post, 3 ins. in diam.,projecting 10  
 ins. above ground, firmly set, properly marked on brass  
 cap, and witnessed by four pits,one each NE.,SE.,SW.and  
 NW.of cor.,and mound of earth W.of cor. No bearing  
 trees.  
 Thence,  
 N.89°57'W., on a true line, bet. secs.21 and 28.  
 Over level land, thru. scattering timber and dense under-  
 growth.  
 29.03 Center of wash, 2 chs.wide, course NW.  
 36.65 Wash,30 lks.wide, 4 ft. deep, course N.  
 40.03 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,

$\frac{1}{4}$  S 21  
 S 28  
 1921

from which,

A palo verde,10 ins. in diam.,brs.N.33 $\frac{1}{2}$ °W.,100  
 lks.dist., marked  $\frac{1}{4}$  S 21 BT.  
 A mesquite, 4 ins. in diam.,brs.S.58 $\frac{1}{2}$ °E.,112  
 lks.dist., marked BT.  
 41.65 Center of wash, 100 lks.wide, course N.10°E..  
 53.55 Wash,50 lks.wide, course NW.  
 56.63 Center of wash,2.50 chs.wide, course N. Leave dense,and  
 enter scattering undergrowth.  
 63.05 Wash,40 lks.wide, course N.30°E.  
 71.05 Wash,30 lks.wide, course N.  
 80.03 The cor.of secs.20,21, 28 and 29.  
 Land,level.  
 Soil,sandy, 2nd and 3rd rate.  
 Timber, palo verde and mesquite.  
 Undergrowth, catclaw, black brush,yucca and cactus.

-----  
 North, on Sectional Guide Meridian, bet. secs.20 and 21.  
 Over level land, thru. scattering timber and undergrowth.  
 35.50 Dim road, brs.NW and SE.  
 40.00 Set an iron post; 3 ft.long, 1 in. in diam.,26 ins. in  
 the ground, for  $\frac{1}{4}$  sec.cor., marked on brass cap,

$\frac{1}{4}$   
 S20 | S21  
 1921

from which,

A mesquite, 5 ins. in diam.,brs.S.33°E.,50  
 lks.dist.,marked  $\frac{1}{4}$  S 21 BT.  
 No other bearing trees available. Dig pits,18x18x12 ins.,  
 one each N. and S of post, 3 ft. dist.  
 52.70 Wash, 50 lks.wide, course NW.  
 65.00 Center of wash, 3 chs. wide,course NW. Leave scattering  
 and enter dense undergrowth.  
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam.,26 ins. in  
 the ground, for cor.of secs.16,17,20 and 21, marked  
 on brass cap,

T16S | R11E  
S17 | S16  
 S20 | S21  
 1921

from which,

10019 8598

Survey of part (completion) of Subdivision lines of T.16 S.R.11E.37

Chains.

- A palo verde, 8 ins. in diam., brs. N.3½°E., 80 lks. dist., marked T16S R11E S16 BT.
- A palo verde, 6 ins. in diam., brs. S.2°E., 13 lks. dist., marked T16S R11E S21 BT.
- A palo verde, 4 ins. in diam., brs. S.53¼°W., 82 lks. dist., marked BT.
- A palo verde, 10 ins. in diam., brs. N.63½°W., 140 lks. dist., marked T16S R11E S17 BT.

Land, level.  
 Soil, sandy, 2nd and 3rd rate.  
 Timber, palo verde and mesquite.  
 Undergrowth, black brush, catclaw, yucca and cactus.  
 Thick grass.

- 40.00 S.89°57'E., on a random line, bet. secs.16 and 21.
- 79.54 Set temp. ¼ sec. cor.
- Intersect N. and S. line, 30 lks. N. of the cor. of secs. 15, 16, 21 and 22, on W. bdy. of the Papago Indian Reservation, hereinbefore described.
- Thence,
- N.89°44'W., on a true line, bet. secs.16 and 21.
- Over level land, thru. scattering timber and dense undergrowth.
- 7.54 Center of wash, 3 chs. wide, course N.
- 30.35 Center of wash, 100 lks. wide, course NW.
- 33.55 Dim road, brs. NW: and SE.
- 39.05 Wash, 50 lks. wide; course N.20°W.
- 39.54 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  
 S 21  
 1921

- from which,
- A mesquite, 10 ins. in diam., brs. N.77°W., 50 lks. dist., marked ¼ S 16 BT.
- A mesquite, 5 ins. in diam., brs. S.4°E., 10 lks. dist., marked ¼ S 21 BT.

- 54.85 Wash, 60 lks. wide, course NW.
- 60.55 Wash, 50 lks. wide, course N.20°W.
- 69.55 Center of wash, 2 chs. wide, course NW.
- 76.55 Wash, 50 lks. wide, course N.30°W.
- 79.54 The cor. of secs. 16, 17, 20 and 21.
- Land, level.
- Soil, 2nd and 3rd rate.
- Timber, palo verde and mesquite.
- Undergrowth, black brush, catclaw, yucca and cactus.
- Thick grass.

- North, on Sectional Guide Meridian, bet. secs. 16 and 17.
- Over level land, thru. scattering timber and dense undergrowth.
- 10.00 Wash, 70 lks. wide, course NW.
- 15.00 Center of wash, 100 lks. wide, course NW.
- 20.00 Center of wash, 20 chs. wide, course NW.
- 32.70 Wash, 40 lks. wide, course N.20°W.
- 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,

S17 | S16  
 1921

38 Survey of part (completion) of Subdivision lines of T.16 S., R.11 E.

Chains.

from which,  
 A mesquite, 8 ins. in diam., brs. N. 21 1/2° E., 100  
 lks. dist., marked 1/4 S 16 BT.  
 A palo verde, 8 ins. in diam., brs. N. 43 3/4° W., 155  
 lks. dist., marked 1/4 S 17 BT.  
 40.50 Wash, 50 lks. wide, course N. 20° W.  
 66.50 Wash; 50 lks. wide, course NW.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in  
 the ground, for cor. of secs. 8, 9, 16 and 17, marked on  
 brass cap,

T16S	R11E
S 8	S 9
S17	S16

1921

from which,  
 A palo verde, 7 ins. in diam., brs. N. 1 1/2° E.,  
 34 lks. dist., marked T16S R11E S9 BT.  
 A mesquite, 6 ins. diam., brs. S. 74° E., 23  
 lks. dist., marked T16S R11E S16 BT.  
 A palo verde, 8 ins. in diam., brs. S. 41 1/2° W.,  
 112 lks. dist., marked T16S R11E S17 BT.  
 A palo verde, 8 ins. in diam., brs. N. 2° W., 33  
 lks. dist., marked T16S R11E S8 BT.  
 Land, level.  
 Soil, sandy, 2nd and 3rd rate.  
 Timber, palo verde and mesquite.  
 Undergrowth, black brush, catclaw, yucca and cactus.

-----  
 East, on a true line, bet. secs. 9 and 16.  
 Over level land, thru. scattering timber and dense under-  
 growth.

13.50 Wash, 50 lks. wide, course N. 20° W.  
 30.80 Center of wash, 2.50 chs. wide, course N.  
 37.60 Wash, 40 lks. wide, course NW.  
 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,

1/4 S 9
S 16

1921

from which,  
 A palo verde, 10 ins. in diam., brs. N. 80° E.,  
 120 lks. dist., marked 1/4 S 9 BT.  
 A palo verde, 6 ins. in diam., brs. S. 24 1/2° E.,  
 85 lks. dist., marked 1/4 S 16 BT.

57.00 Wash, 70 lks. wide, course NW.  
 66.00 Center of wash, 100 lks. wide, course N.  
 69.80 Center of wash, 100 lks. wide, course NW.  
 78.76 Intersect the W. bdy. of sec. 10, and W. bdy. of Papago Indian  
 Reservation at a point 62 lks. N. 0° 29' W. from cor. of  
 secs. 10 and 15, hereinbefore described.  
 At the point of intersection,  
 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in  
 the ground, for closing cor. of secs. 9 and 16, marked  
 on brass cap,

T16S	
CC S 9	
S16	
R11E	

1921

No bearing trees available. Raise a mound of stone, 2  
 ft. base, 1 1/2 ft. high, W. of cor.



## Survey of part(completion)of Subdivision lines of T.16 S.,R.11 E. 39

Chains.

Land, level.  
Soil, sandy, 2nd and 3rd rate.  
Timber, palo verde and mesquite.  
Undergrowth, black brush, catclaw, yucca and cactus.

-----  
From the cor. of secs. 8, 9, 16 and 17,  
North, on Sectional Guide Meridian, bet. secs. 8 and 9.  
Over level land, thru. scattering timber and dense under-  
growth.

26.70 Wash, 50 lks. wide, course NW.

49.00 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,
$$\begin{array}{c} \frac{1}{4} \\ \text{S } 8 \text{ | S } 9 \end{array}$$

1921

from which,

A mesquite, 6 ins. in diam., brs. S.  $50^{\circ}$  E., 143 lks.  
dist., marked  $\frac{1}{4}$  S 9 BT.A palo verde, 8 ins. in diam., brs. N.  $37\frac{1}{4}^{\circ}$  W., 44 lks.  
dist., marked  $\frac{1}{4}$  S 8 BT.40.50 Dim. road, brs. N.  $20^{\circ}$  W. and S.  $20^{\circ}$  E.40.70 Wash, 50 lks. wide, course N.  $20^{\circ}$  W.

54.40 Wash, 60 lks. wide, course NW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in  
the ground, for cor. of secs. 4, 5, 8 and 9, marked on brass  
cap,
$$\begin{array}{c} \text{T16S | R11E} \\ \text{S } 5 \text{ | S } 4 \\ \text{S } 8 \text{ | S } 9 \end{array}$$

1921

from which,

A mesquite, 8 ins. in diam., brs. N.  $78\frac{1}{2}^{\circ}$  E., 406  
lks. dist., marked T16S R11E S4 BT.A mesquite, 4 ins. in diam., brs. S.  $23^{\circ}$  E., 95  
lks. dist., marked BT.A mesquite, 6 ins. in diam., brs. S.  $6^{\circ} 20'$  W., 232 lks.  
dist., marked T16S R11E S8 BT.A mesquite, 4 ins. in diam., brs. N.  $5^{\circ}$  W., 67 lks.  
dist., marked BT.

Land, level.

Soil, sandy, 2nd and 3rd rate.

Timber, palo verde and mesquite.

Undergrowth, catclaw, yucca and cactus.

-----  
East, on a true line, bet. secs. 4 and 9.

Over level land, thru. dense timber and undergrowth.

10.00 Center of wash, 1.50 chs. wide, course N.

20.00 Center of wash, 1.50 chs. wide, course N.

38.20 Center of wash, 100 lks. wide, course NW.

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,
$$\begin{array}{c} \frac{1}{4} \text{ S } 4 \\ \text{S } 9 \end{array}$$

1921

from which,

A mesquite, 6 ins. in diam., brs. N.  $53^{\circ}$  E., 121  
lks. dist., marked  $\frac{1}{4}$  S 4 BT.A mesquite, 5 ins. in diam., brs. S.  $48\frac{1}{2}^{\circ}$  E., 138  
lks. dist., marked  $\frac{1}{4}$  S 9 BT.

43.00 Center of wash, 100 lks. wide, course NW.

60.00 Center of wash, 100 lks. wide, course NW.

72.20 Wash, 80 lks. wide, 4 ft. deep, course N.  $10^{\circ}$  E.78.07 Intersect the W. bdy. of sec. 3, and W. bdy. of Papago Indian  
Reservation, at a point 81 lks. N.  $0^{\circ} 18'$  W. from cor. of  
secs. 3 and 10, hereinbefore described.

At the point of intersection,

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in  
the ground, for closing cor. of secs. 4 and 9, marked on

40 Survey of part (completion) of Subdivision lines of T.16 S. R.11 E.

Chains.

brass cap,

	T16S	
CC	S 4	
	S 9	
	R11E	
	1921	

from which,

A palo verde, 8 ins. in diam., brs. S. 32° W., 132 lks. dist., marked T16S R11E S9 CC BT.

A palo verde, 10 ins. in diam., brs. N. 30½° W., 180 lks. dist., marked T16S R11E S4 CC BT.

Land, level.

Soil, sandy, 2nd and 3rd rate.

Timber, palo verde and mesquite.

Undergrowth, catclaw, black brush, yucca and cactus.

-----  
From cor. of secs. 4, 5, 8 and 9,

North, on Sectional Guide Meridian, bet. secs. 4 and 5.

Over level land, thru. dense timber and undergrowth.

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 5	S 4
	1921	

from which,

A palo verde, 10 ins. in diam., brs. S. 30½° E., 81 lks. dist., marked ¼ S 4 BT.

A mesquite, 6 ins. in diam., brs. N. 19° W., 67 lks. dist., marked ¼ S 5 BT.

60.00 Wash, 50 lks. wide, course N. 20° E.

88.67 Intersect the N. bdy. of Tp. (Third Standard Parallel South) at a point 2.81 chs. N. 89° 39' E. from reestablished standard cor. of secs. 32 and 33, T.15 S., R.11 E., hereinbefore described. At the point of intersection, Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for closing cor. of secs. 4 and 5, marked on brass cap,

	T15S	R11E
	S 33	
	S 5	S 4
	CC	CC
	T16S	
	1921	

from which,

A palo verde, 8 ins. in diam., brs. S. 58½° E., 19 lks. dist., marked T16S R11E S4 CC BT.

A palo verde, 10 ins. in diam., brs. S. 10¼° W., 18 lks. dist., marked T16S R11E S5 CC BT.

Land, level.

Soil, sandy, 2nd and 3rd rate.

Timber, palo verde and mesquite.

Undergrowth, black brush, catclaw and cactus.

-----  
From the cor. of secs. 5, 6, 31 and 32, on S. bdy. of Tp., hereinbefore described,

N. 0° 1' W., bet. secs. 31 and 32.

Over level land, thru. scattering timber and dense undergrowth.

0.40 Road, brs. E and W.

8.00 Center of wash, 100 lks. wide, course W.

23.60 Wash, course NW.

30.00 Wash, 50 lks. wide, course NW.

39.00 Draw, 10 lks. wide, course N. 70° W.

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,

3598

Survey of part(completion)of Subdivision lines of T.16 S.,R.11 E. 41

Chains.

$\frac{1}{4}$  S31 S32  
1921

No bearing trees available. Raise a mound of stone,  $2\frac{1}{2}$  ft. base, 2 ft. high, W. of cor.  
55.00 Center of wash, 100 lks. wide, course N.  $20^\circ$  W.  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, marked on brass cap,

T16S R11E  
S30 S29  
S31 S32  
1921

from which,  
A palo verde, 10 ins. in diam., brs. S.  $64^\circ$  E., 104 lks. dist., marked T16S R11E S29 BT.  
A mesquite, 8 ins. in diam., brs. S.  $63^\circ$  W., 51 lks. dist., marked T16S R11E S31 BT.

No other bearing trees available. Raise a mound of stone,  $2\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
Land, level.  
Soil, 2nd and 3rd rate, sandy loam.  
Timber, palo verde and mesquite.  
Undergrowth, black brush and cactus.  
Good grass.

40.00 S.  $89^\circ 58'$  E., on a random line, bet. secs. 29 and 32.  
Set temp.  $\frac{1}{4}$  sec. cor.  
80.10 Intersect N. and S. line, 12 lks. S. of the cor. of secs. 28, 29, 32 and 33.

Thence,  
S.  $89^\circ 57'$  W. on a true line, bet. secs. 29 and 32.  
Over level land, thru. scattering timber and dense undergrowth.

5.10 Wash, 50 lks. wide, course NW.  
16.80 Wash, 50 lks. wide, course N.  $20^\circ$  W.  
25.10 Wash, 60 lks. wide, course N.  
40.05 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,

$\frac{1}{4}$  S 29  
S 32  
1921

from which,  
A mesquite, 6 ins. in diam., brs. N.  $28^\circ$  W., 64 lks. dist., marked  $\frac{1}{4}$  S 29 BT.  
A mesquite, 5 ins. in diam., brs. S.  $38\frac{1}{2}^\circ$  W., 114 lks. dist., marked  $\frac{1}{4}$  S 32 BT.

47.10 Wash, 30 lks. wide, course NW.  
48.10 Wash, 30 lks. wide, course N.  
60.90 From this point, Giant Cactus, 30 ft. high, brs. N. 30 lks. dist.  
75.60 Center of wash, 100 lks. wide, course NW.  
80.10 The cor. of secs. 29, 30, 31 and 32.  
Land, level.  
Soil, sandy and gravelly, 2nd and 3rd rate.  
Timber, palo verde and mesquite.  
Undergrowth, black brush and cactus.

40.00 N.  $89^\circ 59'$  W., on a random line, bet. secs. 30 and 31.  
Set temp.  $\frac{1}{4}$  sec. cor.  
69.44 Fall 2 lks. N. of the reestablished cor. of secs. 30 and 31,

Survey of part of  
42 Survey of Subdivision lines of Township 16 South, Range 11 E.

Chains.

on the W. bdy. of Tp., hereinbefore described.  
Thence,  
East, on a true line, bet. secs. 30 and 31.  
Over level land, thru. scattering timber and dense under-  
growth.

- 9.45 Center of wash, 1.50 chs. wide, course N. 30° W.
- 21.25 Wash, 40 lks. wide, course N.
- 29.44 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,

$\frac{1}{4}$  S 30  
 S 31  
 1921

from which,  
 A mesquite, 8 ins. in diam., brs. N. 70° W., 100  
 lks. dist., marked 1/4 S 30 BT.  
 A palo verde, 8 ins. in diam., brs. N. 68° 20' E., 203  
 lks. dist., marked 1/4 S 30 BT.

- 44.45 Center of wash, 1.50 chs. wide, course N. 20° W.
- 48.45 Wash, 50 lks. wide, course N. 20° W.
- 55.65 Center of wash, 100 lks. wide, course NW.
- 69.44 The cor. of secs. 29, 30, 31 and 32.

Land, level.  
 Soil, sandy and gravelly, 2nd and 3rd rate.  
 Timber, palo verde and mesquite.  
 Undergrowth, black brush, and cactus.

N. 0° 1' W., bet. secs. 29 and 30.  
 Over level land, thru. scattering timber and dense under-  
 growth.

- 5.00 Center of wash, 2 chs. wide, course NW.
- 25.00 Center of wash, 100 lks. wide, course NW.
- 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,

$\frac{1}{4}$   
 S 30 | S 29  
 1921

from which,  
 A mesquite, 8 ins. in diam., brs. N. 53 1/4° E., 57  
 lks. dist., marked 1/4 S 29 BT.  
 A mesquite, 5 ins. in diam., brs. N. 6° W., 133  
 lks. dist., marked 1/4 S 30 BT.

- 60.00 Wash, 50 lks. wide, course N. 20° W.
- 65.00 Wash, 30 lks. wide, course NW.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in  
the ground, for cor. of secs. 19, 20, 29 and 30, marked  
on brass cap,

T16S	R11E
S19	S20
S30	S29
1921	

from which,  
 A mesquite, 6 ins. in diam., brs. N. 69° W., 200 lks.  
 dist., marked T16S R11E S19 BT.  
 No other bearing trees available. Dig pits, 18x18x12  
 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.  
 Land, level.  
 Soil, sandy and gravelly, 2nd and 3rd rate.  
 Timber, palo verde and mesquite.  
 Undergrowth, black brush, catclaw and cactus.

Survey of part(completion)of Subdivision lines of T.16 S.,R.11 E. 43

Chains. N.89°57'E., on a random line, bet. secs.20 and 29.  
 40.00 Set temp, 1/4 sec.cor.  
 80.00 Intersect N. and S. line, 7 lks.S.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 level land, thru. scattering timber and dense under-  
 growth.  
 38.38 From this point, a mesquite, 10 ins. in diam., brs.S.2 lks.  
 dist.  
 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,  
 S 20  
 S 29  
 1921  
 from which,  
 A mesquite, 8 ins. in diam., brs.S.28 1/2°E., 185  
 lks.dist., marked 1/4 S 29 BT.  
 No other bearing trees available. Dig pits, 18x18x12 ins.,  
 one each E.and W.of post, 3 ft. dist.  
 40.80 Wash, 30 lks.wide, course NW.  
 52.20 Road, brs.NW. and SE.  
 70.00 Center of wash, 3.50 chs.wide, course N.30°W.  
 80.00 The cor.of secs.19,20, 29 and 30.  
 Land, level.  
 Soil, sandy and gravelly, 2nd and 3rd rate.  
 Timber, palo verde and mesquite.  
 Undergrowth, black brush, catclaw and cactus.

West, on a random line, bet. secs.19 and 30.  
 40.00 Set temp. 1/4 sec.cor.  
 69.39 Fall 14 lks.N.of the reestablished cor.of secs.19 and 30,  
 on the W. bdy.of the Tp., hereinbefore described.  
 Thence,  
 N.89°53'E., on a true line, bet. secs. 19 and 30.  
 Over level land, thru.scattering timber and dense under-  
 growth.  
 19.40 Center of wash, 1.50 chs.wide, course NW.  
 29.39 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 19  
 S 30  
 1921  
 No bearing trees available. Raise a mound of stone, 2 ft.  
 base, 1 1/2 ft. high, N. of cor.  
 47.70 Wash, 50 lks.wide, course N.  
 53.40 Center of wash, 100 lks.wide, course N.20°W.  
 65.90 Wash, 30 lks.wide, course NW.  
 69.39 The cor. of secs.19,20,29 and 30.  
 Land, level.  
 Soil, sandy and gravelly, 2nd and 3rd rate.  
 Timber, palo verde and mesquite.  
 Undergrowth, black brush and catclaw.  
 Good grass.

N.0°1'W., bet.secs.19 and 20.  
 Over gently rolling land, thru. scattering timber and  
 dense undergrowth.  
 21.50 Center of wash, 2 chs.wide, course NW.  
 31.20 Road, brs.NW. and SE.  
 38.60 Wash, 70 lks.wide, course NW.

## 44 Survey of part(completion)of Subdivision lines of T.16 S. R.11 E.

Chains.

49.00 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,

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

S19	S20
-----	-----

1921

from which,

A palo verde, 6 ins. in diam., brs. S. 8° E., 140 lks. dist., marked  $\frac{1}{4}$  S 20 BT.

A palo verde, 8 ins. in diam., brs. N. 84 $\frac{1}{2}$ ° W., 128 lks. dist., marked  $\frac{1}{4}$  S 19 BT.

57.00 Wash, 50 lks. wide, course NW.

69.50 Wash, 30 lks. wide, course NW.

76.30 Center of wash, 3 chs. wide, course NW.

89.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked on brass cap,

T16S	R11E
S18	S17
S19	S20

1921

from which,

A mesquite, 5 ins. in diam., brs. S. 32° W., 69 lks. dist., marked T16S R11E S19 BT.

No other bearing trees available. Dig pits, 18x18x12 ins., one each NE., SE., SW. and NW. of post, 3 ft. dist.

Land, gently rolling.

Soil, gravelly, 2nd and 3rd rate.

Timber, palo verde and mesquite.

Undergrowth, black brush and cactus.

40.00 N. 89° 54' E., on a random line, bet. secs. 17 and 20.  
Set temp.  $\frac{1}{4}$  sec. cor.

79.98 Intersect the cor. of secs. 16, 17, 20 and 21.

Thence,

S. 89° 54' W., on a true line, bet. secs. 17 and 20.

Over level land, thrp. scattering timber and undergrowth.

5.60 Center of wash, 3 chs. wide, course NW.

18.00 Wash, 40 lks. wide, course N. 30° W.

24.20 Wash, 50 lks. wide, course N.

33.80 Wash, 50 lks. wide, course NW.

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

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

S 17	
S 20	

1921

from which,

A palo verde, 5 ins. in diam., brs. N. 72 $\frac{1}{4}$ ° E., 124 lks. dist., marked  $\frac{1}{4}$  S 17 BT.

A mesquite, 8 ins. in diam., brs. S. 74° W., 173 lks. dist., marked  $\frac{1}{4}$  S 20 BT.

51.40 Wash, 20 lks. wide, 3 ft. deep, course N.

79.98 The cor. of secs. 17, 18, 19 and 20.

Land, level.

Soil, sandy and gravelly, 2nd and 3rd rate.

Timber, palo verde and mesquite.

Undergrowth, black brush and cactus.

40.00 S. 89° 53' W., on a random line, bet. secs. 18 and 19.  
Set temp.  $\frac{1}{4}$  sec. cor.

BOOK 2898

Survey of part (completion) of the Subdivision lines of T.16S. R.11E. 45

Chains.

69.27 Fall 4 lks.S.of the reestablished cor.of secs.18 and 19, on the W. bdy.of the Tp.,hereinbefore described.  
 Thence,  
 N.89°55'E., on a true line, bet. secs.18 and 19.  
 Over level land, thru. scattering timber and dense undergrowth.

1.75 Wash,40 lks.wide, course N.  
 8.85 Wash,50 lks.wide, course N.79°W.  
 20.75 Wash,50 lks.wide, course NW.  
 23.95 Road, brs.NW. and SE.  
 29.27 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,

$\frac{1}{4}$  S 18  
 S 19  
 1921

from which,  
 A palo verde,8 ins. in diam.,brs.N.17°E.,82 lks.dist.,marked  $\frac{1}{4}$  S 18 BT.  
 A palo verde, 6 ins. in diam.,brs.S.30°E.,194 lks.dist., marked  $\frac{1}{4}$  S 19 BT.

41.95 Wash,40 lks.wide, course NW.  
 49.27 Center of wash,1.50 chs.wide, course NW.  
 66.65 Center of wash,100 lks.wide, course NW.  
 69.27 The cor.of secs.17,18,19 and 20.  
 Land,level.  
 Soil,sandy and gravelly, 2nd and 3rd rate.  
 Timber, palo verde and mesquite.  
 Undergrowth, black brush and cactus.

N.0°1'W., bet. secs. 17 and 18.  
 Over level land, thru. scattering timber and undergrowth.

26.00 Center of wash, 100 lks. wide, course NW.  
 33.70 Wash,50 lks.wide, course NW.  
 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,

$\frac{1}{4}$   
 S18 | S17  
 1921

from which,  
 A mesquite,10 ins. in diam.,brs.S.75½°E.,80 lks.dist., marked  $\frac{1}{4}$  S 17 BT.  
 A mesquite, 4 ins.in diam., brs.N.8¼°W., 92 lks.dist., marked BT.

44.30 Wash,20 lks.wide,3 ft. deep,course W.  
 63.60 Center of wash,100 lks.wide, course N.20°W.  
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam.,26 ins. in the ground, for cor.of secs.7,8,17 and 18, marked on brass cap,

T16S | R11E  
 S 7 | S 8  
 S18 | S17  
 1921

from which,  
 A mesquite, 5 ins. in diam.,brs.N.70°35'E.,178 lks.dist., marked T16S R11E S8 BT.  
 A palo verde,6 ins.in diam.,brs.S.41°40' E.,67 lks.dist., marked T16S R11E S17 BT,  
 No other bearing trees available. Dig pits, 18x18x12 ins. one each NE.,SE.,SW. and NW. of post, 3 ft. dist.  
 Land,level.  
 Soil,sandy, 2nd and 3rd rate.

Survey of part(completion) of  
46 Subdivision lines of Township 16 South, Range 11 East.

Chains.	
	Timber, palo verde and mesquite. Undergrowth, catclaw, black brush and cactus.
	-----
	N.89°54'E., on a random line, bet. secs.8 and 17.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.00	Intersect N. and S. line, 5 lks.S. of the cor. of secs.8,9, 16 and 17.
	Thence, S.89°52'W., on a true line, bet. secs.8 and 17.
	Over level land, thru. scattering timber and dense under- growth.
1.30	Wash, 30 lks.wide, 3 ft. deep, course N.
19.00	Wash, 50 lks.wide, course N.
31.60	Wash, 30 lks.wide, course NW.
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,
	$\frac{1}{4}$ S 8 S 17 1921
	from which, A palo verde, 10 ins. in diam., brs.N.62 $\frac{3}{4}$ °W., 47 lks.dist., marked $\frac{1}{4}$ S 8 BT. A mesquite, 5 ins. in diam., brs.S.46 $\frac{3}{4}$ °W., 76 lks.dist., marked $\frac{1}{4}$ S 17 BT.
41.00	Center of wash, 1.50 chs.wide, course N.10°W.
51.00	Wash, course NW.
61.00	Center of wash, 2.50 chs.wide, course N.20°W.
76.80	Center of wash, 2 chs.wide, course NW.
80.00	The cor. of secs.7,8,17 and 18. Land, level. Soil, sandy loam, 2nd and 3rd rate. Timber, palo verde and mesquite. Undergrowth, ocotillo, yucca, tesota, black brush and cactus.
	-----
	S.89°55'W., on a random line, bet. secs.7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
68.70	Fall 6 lks.S. of the reestablished cor. of secs.7 and 18, on the W. bdy. of the Tp., hereinbefore described.
	Thence, N.89°58'E., on a true line, bet. secs.7 and 18.
	Over level land, thru. scattering timber and dense under- growth.
7.70	Center of wash, 100 lks.wide, course NW.
20.90	Center of wash, 1.50 chs.wide, course NW.
28.70	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,
	$\frac{1}{4}$ S 7 S 18 1921
	No bearing trees available. Dig pits, 18x18x12 ins., one each E. and W. of post, 3 ft. dist.
33.70	Center of wash, 100 lks.wide, course N.25°W.
50.70	Wash, course N.
60.20	Wash, 20 lks.wide, 2 ft. deep, course N.
68.70	The cor. of secs.7,8,17 and 18. Land, level. Soil, sandy, 2nd and 3rd rate. Timber, palo verde and mesquite. Undergrowth, black brush, cactus, yucca and catclaw.
	-----

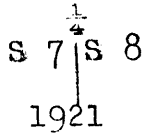


Survey of part (completion) of Subdivision lines of T.16 S., R.11 E. 47

Chains.

N.0°1'W., bet. secs. 7 and 8.  
Over level land, thru. scattering timber and dense undergrowth.

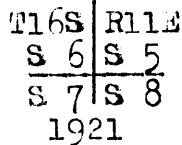
6.40 Center of wash, 100 lks. wide, course NW.  
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap,



from which,

- A mesquite, 4 ins. in diam., brs. N.59 1/2° E., 19 lks. dist., marked BT.
- A mesquite, 4 ins. in diam., brs. N.19 1/2° W., 163 lks. dist., marked BT.

47.30 Center of wash, 100 lks. wide, course NW.  
55.00 Wash, course N.20°W.  
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, marked on brass cap,



from which,

- A mesquite, 10 ins. in diam., brs. S.5 1/2° E., 49 lks. dist., marked T16S R11E S8 BT.
- A palo verde, 6 ins. in diam., brs. S.38° W., 26 lks. dist., marked T16S R11E S7 BT.
- A mesquite, 8 ins. in diam., brs. N.70 1/2° W., 75 lks. dist., marked T16S R11E S6 BT.

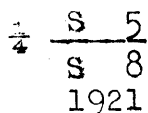
No other bearing trees available. Dig pits, 18x18x12 ins., one each N.E., S.E., S.W. and N.W. of post, 3 ft. dist.

Land, level.  
Soil, sandy, 2nd rate.  
Timber, palo verde and mesquite.  
Undergrowth, black brush and cactus.  
Short grass.

40.00 N.89°52'E., on a random line, bet. secs. 5 and 8.  
80.02 Set temp. 1/4 sec. cor.  
Intersect N. and S. line, 5 lks. N. of the cor. of secs. 4, 5, 8 and 9.

Thence,  
S.89°54'W., on a true line, bet. secs. 5 and 8.  
Over level land, thru. scattering timber and dense undergrowth.

4.00 Old road, brs. N. and S.  
18.80 Wash, 20 lks. wide, course N.  
32.50 Center of wash, 1.50 chs. wide, course N.20°W.  
40.01 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,



from which,

- A mesquite, 12 ins. in diam., brs. N.56° E., 84 lks. dist., marked 1/4 S 5 BT.
- A palo verde, 8 ins. in diam., brs. S.76°35' W., 175 lks. dist., marked 1/4 S 8 BT.

41.70 Wash, 30 lks. wide, course N.  
53.00 Wash, 30 lks. wide, course NW.  
61.80 Wash, 40 lks. wide, course N.30°W.

## 48 Survey of part (completion) of Subdivision lines of T.16 S., R.11 E.

Chains.

73.00 Center of wash, 2 chs. wide, course N.  
 80.02 The cor. of secs. 5, 6, 7 and 8.  
 Land, level.  
 Soil, sandy and gravelly, 2nd and 3rd rate.  
 Timber, palo verde and mesquite.  
 Undergrowth, black brush, yucca, catclaw and cactus.

40.00 S. 89°58'W., on a random line, bet. secs. 6 and 7.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 68.34 Fall 4 lks. S. of the reestablished cor. of secs. 6 and 7, on  
 the W. bdy. of Tp., hereinbefore described.  
 Thence,  
 East, on a true line, bet. secs. 6 and 7.  
 Over level land, thru. scattering timber and dense under-  
 growth.  
 6.55 Wash, 20 lks. wide, 4 ft. deep, course N.  
 15.35 Wash, 50 lks. wide, course N.  
 27.05 Wash, 50 lks. wide, course N. 20°W.  
 28.34 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 6  
 $\frac{1}{4}$   
 S 7  
 1921

from which,  
 A palo verde, 10 ins. in diam., brs. N. 36 $\frac{1}{2}$ °W.,  
 60 lks. dist., marked  $\frac{1}{4}$  S 6 BT.  
 A palo verde, 6 ins. in diam., brs. S. 16 $\frac{1}{4}$ °W.,  
 102 lks. dist., marked  $\frac{1}{4}$  S 7 BT.  
 52.85 Center of wash, 2.50 chs. wide, course N.  
 68.34 The cor. of secs. 5, 6, 7 and 8.  
 Land, level.  
 Soil, sandy and gravelly, 2nd and 3rd rate.  
 Timber, palo verde and mesquite.  
 Undergrowth, cactus, black brush.  
 Thick grass.

N. 0°1'W., on a true line, bet. secs. 5 and 6.  
 Over level land, thru. scattering timber and dense under-  
 growth.  
 27.00 Center of wash, 2 chs. wide, course NW.  
 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,

$\frac{1}{4}$   
 S 6 | S 5  
 1921

from which,  
 A mesquite, 4 ins. in diam., brs. S. 7°E., 50 lks.  
 dist., marked BT.  
 A mesquite, 5 ins. in diam., brs. N. 50°W., 43 lks.  
 dist., marked  $\frac{1}{4}$  S 6 BT.  
 63.50 Wash, 60 lks. wide, course NW.  
 88.31 Intersect N. bdy. of Tp. (Third Standard Parallel S.) at a  
 point 2.86 chs. N. 89°39'E. of the std. cor. of secs. 31  
 and 32, T. 15 S., R. 11 E., hereinbefore described.  
 At the point of intersection,  
 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in  
 the ground, for closing cor. of secs. 5 and 6, marked on  
 brass cap,

Survey of part (completion) of Subdivision lines of T.16 S., R.11 E. 49

Chains.

T15S R11E	
S32	
-----	
S 6	S 5
C C	
T16S	
1921	

from which,

A mesquite, 6 ins. in diam., brs. S.  $4\frac{1}{2}^{\circ}$  E., 374 lks. dist., marked T16S R11E S5 CC BT.

A mesquite, 5 ins. in diam., brs. S.  $55\frac{1}{4}^{\circ}$  W., 135 lks. dist., marked T16S R11E S6 CC BT.

Land, level.

Soil, sandy, 2nd and 3rd rate.

Timber, mesquite and palo verde.

Undergrowth, black brush, catclaw, and cactus.

-----

The continued satisfactory adjustment of the solar apparatus during the survey of this township is indicated from field tests, as described in Book "B."

-----

GENERAL DESCRIPTION.

The land surveyed in T.16 S., R.11 E. under this group is level, or gently rolling, draining in a northwesterly direction, covered with a dense growth of black brush, catclaw, tesota and cactus undergrowth, and palo verde and mesquite timber. The soil is a sandy loam, of decomposed granite formation, 2nd and 3rd rate. Quartz outcroppings were noted in secs. 34 and 35, but no minerals were discovered. The Pena Blanca Ranch, owned and operated by Mauro Quiroy, is located in sec. 34. The improvements consist of two wells, two store houses, corrals, etc. Grazing and dry land farming seem to be the only industries possible in this township.

-----



CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER.

I, William H. Thorn, U.S. Cadastral Eng'n. hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 117, Arizona, bearing date of the 31st day of May, 1921, 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 resurveyed all those parts or portions of the Third Standard Parallel South, in Range 11 East, the West boundary, South boundary, East boundary and Subdivision lines; and surveyed all those parts or portions of the Subdivision lines of TOWNSHIP 16 SOUTH, RANGE 11 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 special written instructions of the U. S. Surveyor General, for Group 117 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.

Place Ajo Arizona Date May 18 1924

William H Thorn U. S. Cadastral Engineer.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, May 26, 1924.

The foregoing field notes of the resurvey, of the Third Standard Par thru. part of Range 11 East, West boundary, South bound East boundary, and part of the Subdivision lines, ar part (completion) of the Subdivision lines of

TOWNSHIP 16 SOUTH, RANGE 11

of the Gila and Salt River Base and M

executed by William H. Thorn, U.S. Cadastral

under his special instructions dated May 31, 1921

critically examined, and the necessary corrections

they describe, are hereby approved