

3005

C. L. ... 33

Book "B"  
4-679

BOOK 3005

# FIELD NOTES

OF THE SURVEY OF THE

~~WEST BOUNDARY, PART OF THE SOUTH BOUNDARY AND THE SUBDIVISION LINES OF~~

~~FRACTIONAL TOWNSHIP 19 SOUTH, RANGE 21 EAST,~~

~~THE RETRACEMENT OF~~

~~PART OF THE SOUTH BOUNDARY OF FRACTIONAL TOWNSHIP 19 SOUTH, RANGE 21 EAST,~~

~~AND OF PARTS OF THE EAST AND WEST BOUNDARIES OF THE~~

~~SAN JUAN DE LAS BOQUILLAS Y NOGALES LAND GRANT,~~

~~AND~~

~~THE RESURVEY OF~~

~~THE SOUTH BOUNDARY OF FRACTIONAL TOWNSHIP 18 SOUTH, RANGE 21 EAST,~~

Of the Gila and Salt River Base and Meridian,

In the State of Arizona,

EXECUTED BY

Ralph Gentry and Hargraves Wood,

In the capacity of U. S. Surveyors, under instructions dated October 7, 1915,

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

Group No. 63, which were approved by the Commissioner of the General Land

Office, October 28, 1915.

~~Survey~~ Commenced February 24, 1915.

~~Survey~~ Completed March 6, 1916.

Issued under Assignment  
Instructions dated Feb. 1, 1916.

3005

3005

1A

3005

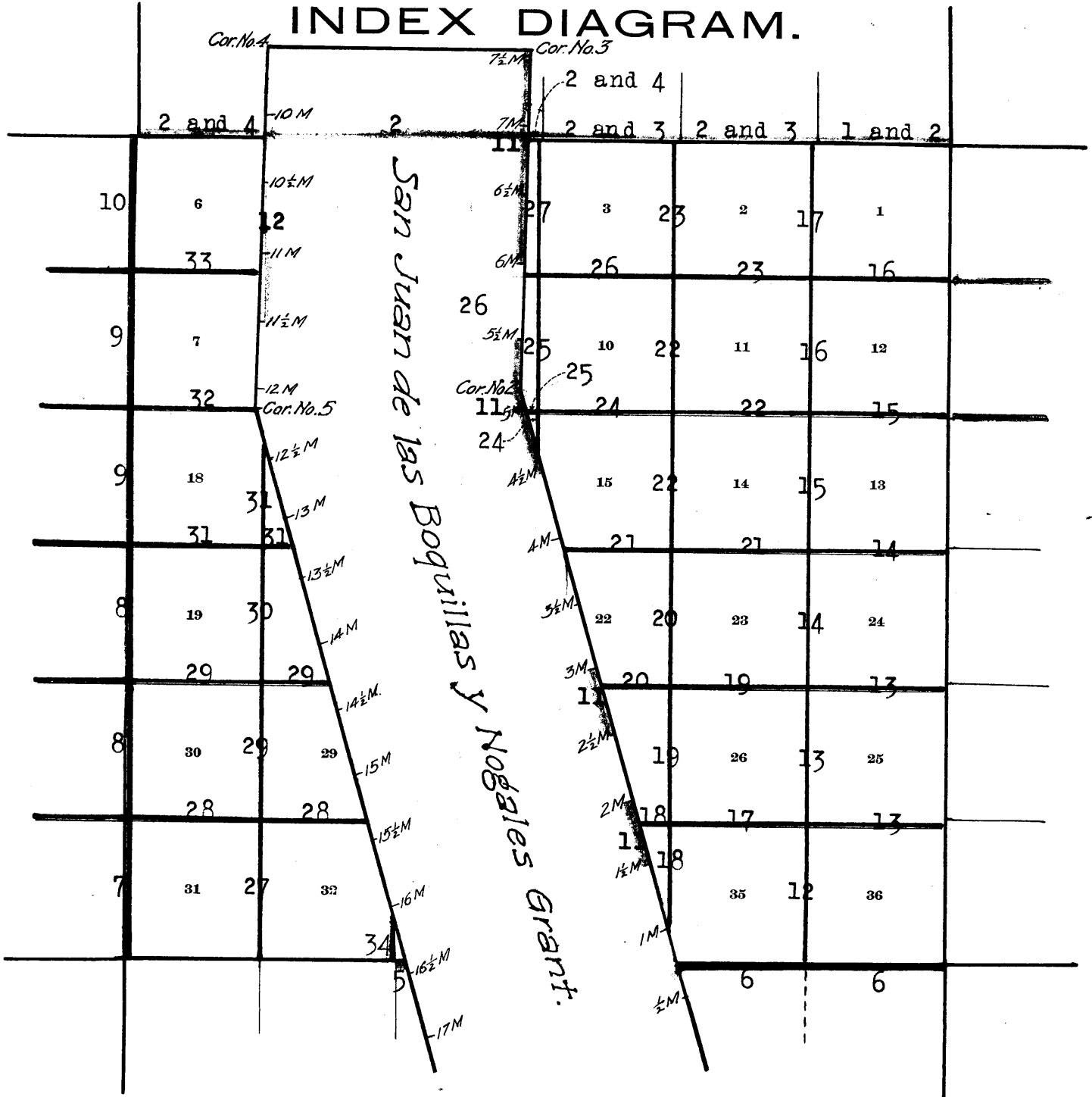
Book "B"

Group 63 - - Arizona.

BOOK 3005

Fractional  
Township 19 South, Range 21 East.

### INDEX DIAGRAM.



           Surveyed under this group--notes in this book.(3005)

           Retraced or resurveyed under this group--notes in this book. (3005)

           Surveyed under this group--notes in Book "A".(3004)

           Retraced or resurveyed under this group--notes in Book "A". (3004)

           Surveyed under this group--notes in Book "C".(3006)

           Accepted surveys.

           Unsurveyed.

Resurvey of S. Bdy., Fracl. T. 18 S., R. 21 E.,  
 Retracement of Part of S. Bdy., Fracl. T. 19 S., R. 21 E.,  
 Survey of Part of S. Bdy. and All of W. Bdy.,  
 Fracl. T. 19 S., R. 21 E.,  
 Retracement of Parts of E. and W. Bdrs. of  
 San Juan de las Boquillas y Nogales Land Grant, and  
 Survey of Subdivision Lines, Fracl. T. 19 S., R. 21 E.

BOOK 8005

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Chains

Work executed jointly on dates shown on diagram on page 39 of this book, by U. S. Surveyors Ralph Gentry and Hargraves Wood, using Buff and Buff solar transits Nos. 8028 and 9223 respectively. Both instruments are equipped with horizontal limbs having two double verniers placed opposite to each other, reading to single minutes of arc; which is also the least count of the verniers of the lat. and decl. arcs. The instruments were approved by the Assistant Supervisor of Surveys, District No. 5, subject to satisfactory field tests, a record of which follows herein, on Feb. 1st, 1916.

Field Tests of Solar Transits.

Feb. 22, 1916.

Both instruments were set up at camp, near the center of T. 19 S., R. 31 E., in lat.  $31^{\circ}46'N.$ , long.  $110^{\circ}12'W.$ , the level and collimation adjustments examined, and errors corrected. Then, at 4h 00m, p.m., l.m.t., we set off  $31^{\circ}46'$  on the lat. arcs,  $10^{\circ}22'S.$  on the decl. arcs, and determine meridians with solars, marking points in the same by tacks driven in wooden stakes firmly set in the ground 5 chs. N. of our respective stations.

At 9h 19m, p.m., l.m.t., we observe Polaris at western elongation, in accordance with instructions in the Manual, and mark points in the lines thus determined by tacks driven in wooden stakes firmly set in the ground W. of the points set by our respective solars.

Feb. 23, 1916.

At 8h 00m, a.m., l.m.t., we turn off the azimuth of Polaris  $1^{\circ}20'$  to the E., and mark the meridians thus established by tacks driven in wooden stakes alongside of those set by the solars.

We then set off  $31^{\circ}46'$  on the lat arcs,  $10^{\circ}07\frac{1}{2}'S.$  on the decl. arcs, and determine meridians with the solars.

The results of the a.m. and p.m. solar observations with both instruments agree within less than one minute of arc with the meridians determined by the Polaris observations. It is therefore concluded that the adjustments are satisfactory.

The magnetic bearing of the true meridian, at 8h 00m, a.m., l.m.t., is  $N.13^{\circ}30'W.$  The angle thus determined gives for the magnetic declination,  $13^{\circ}30' E.$

Resurvey of S. Bdy., Fracl. T. 18 S., R. 21 E.

Retracement.

beginning at the reestablished cor. of Ts. 18 and 19 S., Rs. 21 and 22 E., described in Book A,

40.00  
79.20

WEST, on a random line, bet. secs. 1 and 36.  
 After diligent search, fail to find  $\frac{1}{4}$  sec. cor.  
 Fall 31 lks. S. of the cor. of secs. 1, 2, 35 and 36, identified by old mound of stone and gravel; the original cor. post being missing.

Therefore the true course and distance for this mile is  $N.89^{\circ}47'W., 79.20$  chs.

Chains

39.90 WEST, on a random line, bet. secs. 2 and 35.  
Fall 15 lks. S. of the  $\frac{1}{4}$  sec. cor., identified by traces of old pits, the cor. post being missing.

The true course and distance for this half mile is therefore N.89°47'W., 39.90 chs.

40.41 WEST, on a random line, bet. W. halves of secs. 2 and 35.  
Fall 5 lks. S. of the cor. of secs. 2, 3, 34 and 35, which is a post, 3 ins. square, marked and witnessed as described by the Surveyor General.

The true course and distance for this half mile is therefore N.89°56'W., 40.41 chs.

39.91 WEST, on a random line, bet. secs. 3 and 34.  
Fall 6 lks. N. of the  $\frac{1}{4}$  sec. cor., which is a post, 2 ins. square, 2 ft. above ground, marked and witnessed as described by the Surveyor General.

The true course and distance for this half mile is therefore S.89°55'W., 39.91 chs.

40.00 WEST, on a random line, bet. W. halves of secs. 3 and 34.  
Fall 45 lks. S. of the cor. of secs. 3, 4, 33 and 34, marked by a mound of stone, and identified as the original cor.; the old post being missing.

Therefore the true course and distance for this half mile is N.89°21'W., 40.00 chs.

WEST, on a random line, bet. secs. 4 and 33.  
At 40.00 and 80.00 ch. pts. I make diligent search for the old cors., which I fail to find. Continuing random bet. secs. 5 and 32, at 120 chs. from the cor. of secs. 3, 4, 33 and 34, after diligent search fail to find  $\frac{1}{4}$  sec. cor.; and at approximately 2 miles, fall 91 lks. S. of the cor. of secs. 5, 6, 31 and 32, which is a post, marked and witnessed as described by the Surveyor General.

Therefore the true course for this line is N.89°40'W.

40.26 WEST, on a random line, bet. secs. 6 and 31.  
Intersect  $\frac{1}{4}$  sec. cor., which is a mesquite post, 3 ins. square, 2 $\frac{1}{2}$  ft. above ground, marked and witnessed as described by the Surveyor General.

39.42 WEST, on a random line, bet. W. halves of secs. 6 and 31.  
Fall 34 lks. N. of cor. of Ts. 18 and 19 S., Rs. 20 and 21 E., a granite stone, 14x10x6 ins. above ground, marked and witnessed as described by the Surveyor General. Old mesquite post, 4 ins. diam., 3 ft. long, properly marked, the cor. monument previous to its reestablishment by Contzen in 1900, lies on ground by stone.

Therefore the true course and distance for this half mile is S.89°31'W., 39.42 chs.

#### Resurvey.

I return to the cor. of Ts. 18 and 19 S., Rs. 21 and 22 E., hereinbefore described, and resurvey S. Bdy. of T. 18 S., R. 21 E. as follows:

N.89°47'W., on S. bdy. of sec. 36,  
over rolling land, through medium growth of underbrush.

Resurvey of S. Bdy., T. 18 S., R. 21 E.

Chains

39.60 Reestablish missing 1/4 sec. cor. as 1/4 sec. cor. of sec. 36 only, by setting an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, marked on brass cap

1/4S36

1916

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

42.60 Wash, 60 lks. wide, 8 ft. deep, course SW. Asc. gradually.

50.00 Summit of ascent, bears NE. and SW.

79.20 The old cor. of secs. 1, 2, 35 and 36, hereinbefore described. I reestablish same as cor. of secs. 35 and 36 only, by setting an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, marked on brass cap

T18S | R21E  
S35 | S36

T19S

1916

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

Land, rolling; general drainage SW.

Soil, light sandy loam and coarse gray gravel; 3rd rate. No timber.

Undergrowth, greasewood, sage and chaparral.

24.10 N.89°47'W., on S. bdy. of sec. 35, over rolling land, through medium growth of underbrush. Bottom of gulch, course NW.: heads 15 chs. S.60°E. Asc.

39.00 Summit of ascent bears NW. and S.75°E.

39.90 The old 1/4 sec. cor., hereinbefore described. I reestablish same as 1/4 sec. cor. of sec. 35 only, by setting an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, marked on brass cap

1/4S35

1916

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

38.56 Thence ~~WEST~~ on S. bdy. of W. half of sec. 35. Road from Tombstone to Benson bears NW. and SE.

40.41 The old cor. of secs. 2, 3, 34 and 35, hereinbefore described. I reestablish same as cor. of secs. 34 and 35 only, by effacing marks on post relating to the area S. of the Tp. line.

Land, rolling; general drainage W.

Soil, light sandy loam and coarse gray gravel; 3rd rate. No timber.

Undergrowth, greasewood and chaparral.

20.00 S.89°55'W., on S. bdy. of sec. 34, over rolling land, through medium growth of underbrush. Thence over broken land, cut by numerous small washes, draining SW.

39.91 The old 1/4 sec. cor., hereinbefore described. This cor.

Resurvey of S. Bdy., T. 18 S., R. 21 E.

Chains

will henceforth pertain solely to sec. 34.

7.00  
10.40  
14.10  
31.70  
40.00

Thence N.89°21'W., on S. bdy. of W. half of sec. 34.  
Enter nearly level bottom land, bears N.75°W. and S.75°E.  
Wash, 75 lks. wide, 5 ft. deep, course N.75°W.  
Enter dense growth of mesquite, bears N. and S.  
Same wash, course S.80°W.  
The old cor. of secs. 3, 4, 33 and 34, hereinbefore described. I reestablish same as cor. of secs. 33 and 34 only, by setting an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, marked on brass cap

T18S | R21E  
S33 | S34

1916

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

Land, W. 33 chs. nearly level, draining W.; remainder, rolling.

Soil, W. 33 chs. light sandy loam; 2nd rate; remainder light sandy loam and coarse gray gravel; 3rd rate.

No timber.

Undergrowth, W. 33 chs. mesquite, catclaw, greasewood and chaparral; remainder, greasewood and chaparral.

8.02

N.89°40'W., on S. bdy. of Fract. sec. 33, over bottom land, through dense underbrush.  
Intersect E. bdy. of the San Juan de las Boquillas y Nogales Land, Grant, 49.02 chs. S.2°17'W. of cor. No. 3, which is a stone, marked and witnessed as described by the Surveyor General.

At point of intersection, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for closing cor. of Fract. secs. 4 and 33, marked on brass cap

T18S  
R21E  
SJ | S33  
C  
C  
BM | S4  
T19S

1916

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

Land, nearly level; drainage W.

Soil, light sandy loam and gravel; 2nd rate.

No timber.

Undergrowth, catclaw, greasewood and mesquite.

As a closing cor. for Ts. 19 S., Rs. 20 and 21 E. is found to be necessary, as hereinafter described, I change the cor. of Ts. 18 and 19 S., Rs. 20 and 21 E. to relate solely to Ts. 18 S., Rs. 20 and 21 E., by effacing the marks on stone referring to the area S. of the Tp. line.

24.70  
29.70

Thence N.89°31'E., on S. bdy. of fract. sec. 31, over rolling land, through underbrush.  
Desc. to bottom land.  
Enter bottom land, bears NW. and S.80°E.

Resurvey of S. Bdy. of Fract. T. 18 S., R. 21 E.

Chains

36.38 (40.00 chs. E. of the closing cor. of Ts. 19 S., Rs. 20 and 21 E., hereinafter described)  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. of sec. 6, marked on brass cap

$\frac{1}{4}$  S6

1916

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

39.42 The old  $\frac{1}{4}$  sec. cor., hereinbefore described. I change same to  $\frac{1}{4}$  sec. cor. of sec. 31 only, by effacing the marks on bearing tree S. of Tp. line.

15.52 Thence EAST, on S. bdy. of E. half of fract. sec. 31.  
31.10 Wash, 60 lks. wide, 15 ft. deep, course S.75°E.

38.71 Leave bottom land, bears N.80°W. and S.80°E.

Intersect W. bdy. of the San Juan de las Boquillas y Nogales Grant 11.34 chs. S.1°58'W. of the 10 mile cor., which is a granite stone, 14x8x8 ins. above ground, marked and witnessed as described by the Surveyor General.

At point of intersection, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for closing cor. of fract. secs. 6 and 31, marked on brass cap

T18S		
R21E		
S31		SJ
C		
<hr/>		
C		
S6		BN
T19S		

1916

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

Land, rolling in E.  $6\frac{1}{2}$  and W. 30 chs., and level bottom land in remainder.

Soil, on rolling land, gray, with coarse gravel and cobble stones; 4th rate; and sandy loam, 2nd rate, on remainder.

No timber.

Undergrowth, greasewood, mesquite and chaparral.

Retracement of Part of S. Bdy., Fract. T. 19 S., R. 21 E.

From the cor. of secs. 4, 5, 32 and 33, on S. bdy. of Tp., which is a gray granite stone, 8x8x4 ins. above ground, marked and witnessed as described by the Surveyor General,

EAST, on a random line, bet. fract. secs. 4 and 33, over level land, through underbrush.

5.63 Fall 11 lks. N. of the closing cor. of fract. secs. 4 and 33, which is a granite stone, 10x10x8 ins. above ground, marked and witnessed as described by the Surveyor General.

The true course and distance for this line is therefore N.88°53'E., 5.63 chs.

Retracement of Part of S. Bdy., Fracl. T. 19 S., R. 21 E.

Chains

Land, level; drainage E.  
Soil, light sandy loam; 1st rate.  
No timber.  
Undergrowth, mesquite, greasewood and chaparral.

Survey of Part of S. Bdy., Fracl. T. 19 S., R. 21 E.

Beginning at the cor. of Ts. 19 and 20 S., Rs. 21 and 22 E., described in Book A;

29.10 Thence, as per instructions, WEST, bet. secs. 1 and 36,  
40.00 over rolling land, through medium growth of underbrush.  
Bottom of deep draw, course SW.

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

$\frac{1}{4}$   $\frac{S36}{S1}$   
1916

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

40.01 E. P. & S. W. R. R. track bears N.74°30'E., and S.74°30'W.  
43.95 Telegraph line bears N.74°30'E. and S.74°30'W.  
Bench mark, a post marked Elev. 4016 ft., bears N., 15 lks. dist.

73.50 Desc. from rolling land, bears NE. and SW.

75.00 Ft. of slope, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, marked on brass cap

T19S | R21E  
S35 | S36  
S2 | S1  
T18S

1916

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

Land, rolling; general drainage SW.  
Soil, light sandy loam and coarse gravel; 2nd and 3rd rate.  
No timber.  
Undergrowth, greasewood, sage and chaparral.

WEST, bet. fracl. secs. 2 and 35,  
over rolling land, through medium growth of underbrush.  
Asc. on gradual slope. Ft. bears NE. and SW.

6.00 Low spur, slopes SW. Desc.  
7.38 Telephone line bears N.66°45'E. and S.66°45'W.  
10.00 Ft. of slope, bears NE. and S.80°W. Thence along S. side of deep draw.

20.00 Bottom of draw, course SW. Thence over rolling hills.

21.63 Road from Tombstone to Fairbank bears N.70°E. and S.70°W.

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

$\frac{1}{4}$   $\frac{S35}{S2}$   
1916

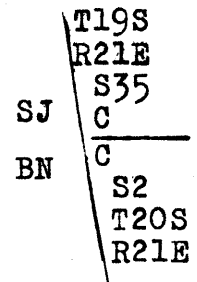
x20



Survey of Part of S. Bdy., Fracl. T. 19 S., R. 21 E.

Chains

64.80 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 N. of cor.  
 75.97 Bottom of deep draw, 3 chs. wide, 35 ft. deep, course SW.  
 Intersect E. Bdy. of the San Juan de las Boquillas y No-  
 gales Land Grant 22.33 chs. S.15°39'E. of the 1 mile  
 cor., which is a granite stone, 12x10x10 ins. above ground,  
 marked and witnessed as described by the Surveyor Gen-  
 eral.  
 At point of intersection, set an iron post, 3 ft. long,  
 3 ins. diam., 24 ins. in the ground, for closing cor.  
 of fracl. secs. 2 and 35, marked on brass cap



1916

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

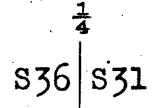
Land, E. 20 chs. rolling; remainder, hilly. Drainage SW.  
 Soil, E. 20 chs. light sandy loam and coarse gravel, and  
 gray gravel on remainder; 2nd and 3rd rate.  
 No timber.  
 Undergrowth, greasewood and chaparral.

Survey of W. Bdy., Fracl. T. 19 S., R. 21 E.

Beginning at the cor. of Ts. 19 and 20 S., Rs. 20 and 21  
 E., which is a granite stone, 10x8x5 ins. above ground,  
 marked and witnessed as described by the Surveyor Gen-  
 eral;  
 Thence NORTH, on a random line on W. bdy. of Tp., setting  
 temp. cors. at intervals of 40.00 chs.  
 481.92 Fall 362 chs. W. of cor. of Ts. 18 and 19 S., Rs. 20 and  
 21 E., which I change to cor. of Ts. 18 S., Rs. 20 and  
 21 E., as hereinbefore described.

This falling being out of limits, I return to the cor. of  
 Ts. 19 and 20 S., Rs. 20 and 21 E., hereinbefore des-  
 cribed, and take random for true line, surveying the  
 W. bdy. of Tp. as follows:

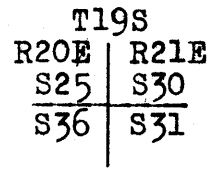
40.00 NORTH, bet. secs. 31 and 36,  
 over level land, through medium growth of underbrush.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for ¼ sec. cor., marked on brass cap



1916

80.00 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor.  
 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 25, 30, 31 and 36, marked on  
 brass cap

Chains



1916

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

Land, level.

Soil, 1st rate sandy clay loam, 6 to 18 ins. deep, on subsoil of hard pan, lime and gravel.

No timber.

Undergrowth, greasewood, mesquite and chaparral.

NORTH, bet. secs. 25 and 30,

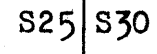
over level land, through medium growth of underbrush.

10.92

Road, bears E. and W.

40.00

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



1916

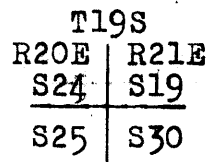
and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

64.90

Thence over rolling land.

80.00

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, marked on brass cap



1916

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

Land, level on S. 65 chs., and rolling on remainder of line.

Soil, 1st rate sandy clay loam, on sub soil of hard pan, lime and gravel for level part; and sandy loam and gravel, 2nd rate, for remainder of line.

No timber.

Undergrowth, greasewood, mesquite and chaparral.

NORTH, bet. secs. 19 and 24,

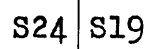
over rolling land, through medium growth of underbrush.

26.90

Enter dense undergrowth, bears E. and W.

40.00

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



1916

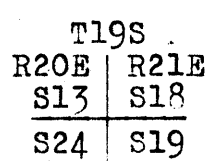
and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

80.00

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, marked on brass cap

Survey of W. Bdy., Fracl. T. 19 S., R. 21 E.

Chains



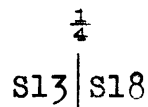
1916

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

Land, rolling; general drainage E. Soil, light sandy loam and gravel; 2nd rate. No timber. Undergrowth, greasewood, mesquite and chaparral.

NORTH, bet. secs. 13 and 18, over rolling land, through dense undergrowth.

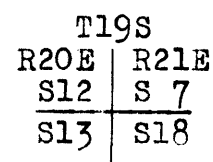
- 5.32 Wash, 20 lks. wide, 6 ft. deep, course N.70°E.
- 15.12 Wash, 50 lks. wide, 7 ft. deep, course E.
- 36.90 Leave dense undergrowth, and thence through medium growth of same.
- 40.00 Point for ¼ sec. cor. falls in wash, course E.; where a monument can not be permanently established. Therefore I set witness cor. as follows:
- 40.50 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for witness cor. to ¼ sec. cor., marked on brass cap



W C  
1916

dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.

- 42.62 Wash, 40 lks. wide, 6 ft. deep, course N.80°E.
- 73.22 Wash, 15 lks. wide, 2 ft. deep, course E.
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, marked on brass cap



1916

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

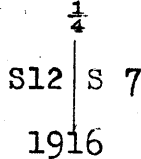
Land, rolling; general drainage E. Soil, light sandy loam and gravel; 2nd rate. No timber. Undergrowth, greasewood, mesquite and chaparral.

NORTH, bet. secs. 7 and 12, over rolling land, through medium undergrowth.

- 21.19 Wire fence, on S. bdy. of E. P. & S. W. R. R. right of way, parallel to R. R.
- 22.45 Telegraph line, parallel to R. R.
- 24.59 E. P. & S. W. R. R. track bears N.45°W. and S.25°20'E., on curve.
- 26.73 Wire fence, on N. bdy. of R. R. right of way, parallel to R. R.
- 26.90 Ft. of slope bears NW. and SE. Asc.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the

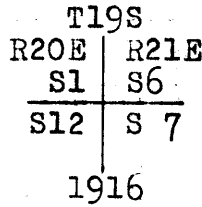
Chains

ground, for 1/4 sec. cor., marked on brass cap



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

- 42.50 Summit of ascent, on rocky knoll. Desc.
- 56.90 Ft. of descent.
- 61.32 Wash, 75 lks. wide, 4 ft. deep, course N.25°E.
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, marked on brass cap

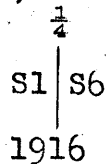


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling; general drainage E.  
 Soil, light sandy loam and coarse gravel; 3rd rate.  
 No timber.  
 Undergrowth, greasewood and chaparral.

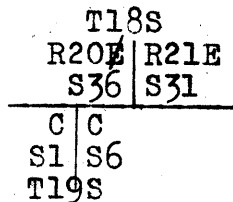
NORTH, bet. secs. 1 and 6,  
 over rolling land, through scattering undergrowth.  
 16.92 Bottom of deep draw, 4 chs. wide, 27 ft. deep, course N.75°E.

- 39.90 Enter denser growth of underbrush; bears E. and W.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



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

- 75.00 Wash, 20 lks. wide, 8 ft. deep, course E.
- 81.92 Intersect S. Bdy. of T. 18 S., R. 20 E., 3.62 chs. N.89°55'W. of the cor. of Ts. 18 S., Rs. 20 and 21 E., hereinbefore described.
- At point of intersection, set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for closing cor. of Ts. 19 S., Rs. 20 and 21 E., marked on brass cap



1916

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

Land, rolling, cut by small gulches; drainage E.  
 Soil, light sandy loam and coarse gravel; 3rd rate.  
 No timber.  
 Undergrowth, chaparral, and greasewood.

Retracement of Parts of E. bdy.,  
San Juan de las Boquillas y Nogales Land Grant.

Chains

From the 1½ mile cor. on the E. bdy. of the San Juan de las Boquillas y Nogales Land Grant, which is a stone, marked and witnessed as described by the Surveyor General;

39.26 N.15°39'W., on a random line, on E. bdy. of grant. The 2 mile cor., which is a stone, marked and witnessed as described by the Surveyor General.

From the 2½ mile cor. on E. bdy. of grant, which is a stone marked and witnessed as described by the Surveyor General;

39.52 N.15°39'W., on a random line, on E. bdy. of grant. Intersect the 3 mile cor., which is a stone, marked and witnessed as described by the Surveyor General.

From the 4½ mile cor. on E. bdy. of grant, which is a stone, marked and witnessed as described by the Surveyor General;

39.64 N.15°39'W., on a random line, on E. bdy. of grant. The 5 mile cor., which is a stone, marked and witnessed as described by the Surveyor General.

From the 5 mile cor. on E. bdy., hereinbefore described;

13.32 N.15°39'W., on a random line, on E. bdy. of grant. Angle cor. No. 2, which is a stone, marked and witnessed as described by the Surveyor General.

26.93 Thence N.1°58'E., on a random line, on E. bdy. of grant. Intersect 5½ mile cor. on E. bdy., which is a stone, marked and witnessed as described by the Surveyor General.

From the 6 mile cor. on E. bdy. of grant, which is a stone marked and witnessed as described by the Surveyor General,

N.1°58'E., on a random line, on E. bdy. of grant. After diligent search in the vicinity of the 40, 80, and 120 ch. pts. fail to find either the 6½, 7, or the 7½ mile cor.

125.17 Fall 68 lks. N.88°02'W. from the the NE. cor., Cor. No. 3, which is a stone, marked and witnessed as described by the Surveyor General.

The true bearing of this line is therefore N.2°17'E.

Retracement of Part of W. Bdy. of  
San Juan de las Boquillas y Nogales Land Grant.

Chains

From the 10 mile cor., on W. bdy. of grant, which is a stone, marked and witnessed as described by the Surveyor General;

39.54 S.1°58'W., on a random line, on W. bdy. of grant. Intersect the 10 $\frac{1}{2}$  mile cor.; which is a stone, marked and witnessed as described by the Surveyor General.

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40.00 Thence S.1°58'W., continuing random. After diligent search in this vicinity, fail to find the 11 mile cor.

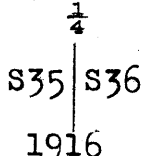
79.46 Intersect the 11 $\frac{1}{2}$  mile cor., which is a stone, marked and witnessed as described by the Surveyor General.

Survey of Subdivision Lines, Fracl. T. 19 S., R. 21 E.

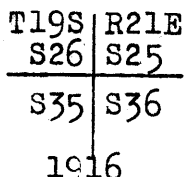
The mean bearing of the E. bdy. of Tp. is N.0°14'E. The meridional section lines were therefore surveyed parallel to this line.

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

N.0°13'E., bet. secs. 35 and 36,  
over rolling land, through underbrush. Asc. 75 ft.  
3.50 Top of ridge bears N.30°E. and S.30°W.  
Telephone line, on top of ridge, parallel to same. Desc.  
10.00 Wash, 100 lks. wide, 6 ft. deep, course SW., 80 ft. below  
ridge. Road, in wash, bears NE. and SW. Asc. 45 ft.  
18.00 Ridge, bears NE. and SW. Desc. 25 ft.  
26.70 Wash, 60 lks. wide, 3 ft. deep, course SW. Asc. 45 ft.  
35.00 Ridge, bears NE. and SW. Desc.  
39.50 Wash, 60 lks. wide, 6 ft. deep, course W. Asc.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
W. of cor.  
45.00 Ridge bears NE. and SW., 35 ft. above wash. Desc. 40 ft.  
51.00 Wash, 100 lks. wide, 4 ft. deep, course SW. Asc. grad-  
ually, over rolling land.  
67.50 Ridge, bears NE. and SW. Desc.  
69.90 Abandoned road bears NE. and SW.  
75.00 Asc. over rolling slope.  
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
ground, for cor. of secs. 25, 26, 35 and 36, marked on  
brass cap



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

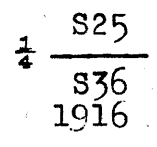
Land, rolling and broken. Soil, sandy, gravelly, and rocky;  
3rd rate. No timber. Undergrowth, greasewood, catclaw  
and chaparral.

Subdivision of Fracl. T. 19 S., R. 21 E.

Chains

40.00 EAST, on a random line, bet. secs. 25 and 36.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.78 Intersect E. bdy. of Tp. 16 lks. S. of the cor. of secs.  
 25 and 36, described in Book A.

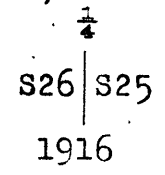
Thence S.89°53'W., on a true line, bet. secs. 25 and 36,  
 over rolling land, through underbrush.  
 18.80 Ridge, bears NW. and SE.  
 39.89 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



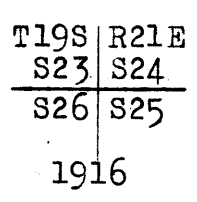
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor.  
 56.78 Wash, 200 lks. wide, 3 ft. deep, course NW.  
 79.78 The cor. of secs. 25, 26, 35 and 36.

Land, rolling.  
 Soil, 2nd and 3rd rate.  
 No timber.  
 Undergrowth, greasewood and chaparral.

N.0°13'E., bet. secs. 25 and 26,  
 over rolling land, through underbrush.  
 3.50 Ridge, bears NE. and SW. Desc. 70 ft.  
 17.25 Wash, 200 lks. wide, 4 ft. deep, course SW. Asc. 40 ft.  
 26.00 Ridge, bears NE. and SW. Desc. 85 ft.  
 32.00 Wash, 200 lks. wide, 6 ft. deep, course NW. Asc.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor.  
 Asc. 90 ft.  
 75.00 Top of ridge, bears NE. and SW.  
 80.00 Set an iron post, 3 ft long, 2 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 23, 24, 25 and 26, marked on  
 brass cap



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

Land, rolling.  
 Soil, sandy and gravelly; 2nd and 3rd rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and chaparral.

40.00 East, on a random line, bet. secs. 24 and 25.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.68 Intersect E. bdy. of Tp. 16 lks. S. of the cor. of secs.  
 24 and 25, described in Book A.

Chains

Thence S.89°53'W., on a true line, bet. secs. 24 and 25, over rolling land, through underbrush.

15.68

Head of wash, course SW.

39.84

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

1/4 S24  
S25  
1916

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

69.68

Road bears NW. and SE.

79.68

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

Land, rolling.  
Soil, sandy and gravelly; 2nd and 3rd rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

N.0°13'W., bet. secs. 23 and 24, over gently rolling land, through underbrush.

15.60

Road, bears E. and W.

30.00

Desc. on gradual slope.

40.00

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

1/4  
S23 | S24  
1916

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

70.00

Asc. on gradual slope.

77.50

Road, bears NW. and SE.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap

T19S | R21E  
S14 | S13  
S23 | S24  
1916

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

Land, gently rolling; drainage W.  
Soil, sandy loam; 2nd rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

N.89°53'E., on a random line, bet. secs. 13 and 24.

40.00

Set temp; 1/4 sec. cor.

79.92

Intersect E. bdy. of Tp. 21 lks. N. of the cor. of secs. 13 and 24, described in Book A.

Thence N.89°58'W., on a true line, bet. secs. 13 and 24, over rolling land, through underbrush.

39.96

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

1/4 S13  
S24  
1916



Subdivision of Fracl. T. 19 S., R. 21 E.

Chains

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
N. of cor.  
53.62 Road, bears NW. and SE.  
79.92 The cor. of secs. 13, 14, 23 and 24.

Land, rolling.  
Soil, sandy and gravelly; 2nd and 3rd rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

20.00 N.0°13'E., bet. secs.13 and 14,  
over gently rolling land, through underbrush.  
40.00 Ridge, bears NW. and SE. Desc. on gradual slope.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for ¼ sec. cor , marked on brass cap

¼  
S14 | S13  
1916

42.00 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.  
44.10 House bears S.56°15'E.  
50.50 Wire fence, bears E. and W.  
60.45 Leave undergrowth, and enter grassy flat.  
72.80 Enter undergrowth, bears NE. and SW.  
80.00 Wire fence, bears E. and W.  
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
ground, for cor. of secs. 11, 12, 13 and 14, marked on  
brass cap

T19S | R21E  
S11 | S12  
S14 | S13  
1916

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

Land, gently rolling.  
Soil, sandy and gravelly; 2nd and 3rd rate.  
No timber.  
Undergrowth, greasewood, sage, mesquite and chaparral.

40.00 S.89°58'E., on a random line, bet. secs. 12 and 13.  
Set temp. ¼ sec. cor.  
80.00 Intersect E. bdy. of Tp. 26 lks. S. of the cor. of secs.  
7, 12, 13 and 18, described in Book A.

10.00 Thence S.89°51'W., on a true line, bet. secs. 12 and 13,  
over gently rolling land, through underbrush.  
30.00 Leave undergrowth, bears NE. and SW., and enter grassy flat.  
40.00 Leave grassy flat, and enter undergrowth, bears NE. and SW.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for ¼ sec. cor., marked on brass cap

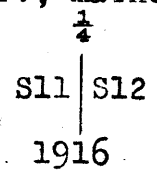
¼ S12  
S13  
1916

62.50 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
N. of cor.  
80.00 Road from Benson to Tombstone, bears N. and S.  
The cor. of secs. 11, 12, 13 and 14.

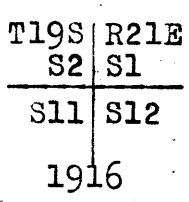
Chains

Land, gently rolling.  
Soil, sandy and gravelly; 2nd and 3rd rate.  
No timber.  
Undergrowth, greasewood, sage, mesquite and chaparral.

25.00 N.0°13'E., bet. secs. 11 and 12,  
over gently rolling land, through underbrush.  
40.00 Enter dense mesquite growth, bears NW. and SE.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for 1/4 sec. cor., marked on brass cap



80.00 dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.,  
and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high,  
W. of cor.  
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
ground, for cor. of secs. 1, 2, 11 and 12, marked on  
brass cap

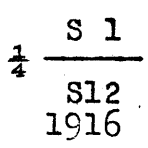


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

Land, gently rolling.  
Soil, sandy and gravelly; 2nd and 3rd rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

40.00 N.°9°51'E., on a random line, bet. secs. 1 and 12.  
Set temp. 1/4 sec. cor.  
80.00 Intersect E. bdy. of Tp. 15 lks. S. of the cor. of secs.  
1, 6, 7 and 12, described in Book A.

40.00 Thence S.89°45'W., on a true line, bet. secs. 1 and 12,  
over gently rolling land, through undergrowth.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for 1/4 sec. cor., marked on brass cap

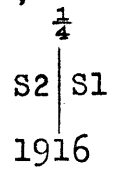


64.90 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
N. of cor.  
80.00 Road from Benson to Tombstone, bears N.30°W. and S.30°E.  
The cor. of secs. 1, 2, 11 and 12.

Land, gently rolling.  
Soil, sandy and gravelly; 2nd and 3rd rate.  
No timber.  
Undergrowth, greasewood, sage, mesquite and chaparral.

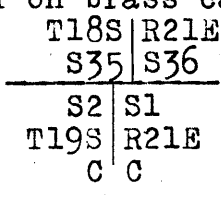
Chains

N.0°13'E., on a true line, bet. secs. 1 and 2,  
 over rolling land, through underbrush.  
 22.90 Road from Tombstone to Benson, bears NW. and SE.  
 36.00 Desc. over gradual slope.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor.  
 62.90 Ft. of descent.  
 65.40 Wash, 300 lks. wide, 4 ft. deep, course W. Asc. gradually.  
 81.95 Intersect S. Bdy. of Fracl. Tp. 18 S., R. 21 E. 80 lks.  
 S.89°47'W. of the cor. of secs. 35 and 36, reestablished  
 as hereinbefore described.

At point of intersection, set an iron post, 3 ft. long,  
 2 ins. diam., 24 ins. in the ground, for closing cor. of  
 secs. 1 and 2, marked on brass cap

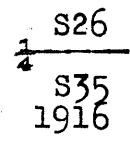


1916

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

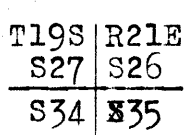
Land, rolling.  
 Soil, sandy and gravelly; 3rd rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and chaparral.

West, on a true line, bet. secs. 26 and 35,  
 over rolling land, through underbrush.  
 18.10 Spur, slopes NW. Desc. 50 ft.  
 25.00 Wash, course NW. Asc. 35 ft.  
 28.00 Top of spur, slopes NW. Desc. 55 ft.  
 32.80 Wash, 100 lks. wide, 4 ft. deep, course NW.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



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

46.40 Point of low spur, sloping N.  
 70.00 Asc. 50 ft.  
 71.00 Ridge, bears NW. and SE. Desc. 30 ft.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 26, 27, 34 and 35, marked on  
 brass cap



1916

Chains

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

Land, rolling.

Soil, sandy and gravelly; 3rd rate.

No timber.

Undergrowth, greasewood, mesquite and chaparral.

S.0°12'W., on a true line, bet. fract. secs. 34 and 35, over rolling land, through underbrush.

9.70

Abandoned road, bears NW. and SE.

20.00

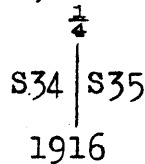
Desc. on gradual slope.

35.00

wash, 200 lks. wide, 4 ft. deep, course SW.

40.00

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



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

43.00

Wash, 200 lks. wide, 3 ft. deep, course W.

45.00

Asc. 130 ft.

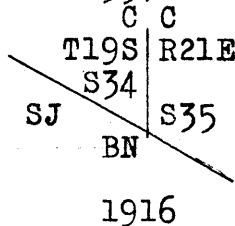
63.00

Ridge, bears E. and W. Desc.

66.74

Intersect E. bdy. of San Juan de las Boquillas y Nogales Land Grant 8.16 chs. S.15°39'E. of the 1 mile cor., which is a stone, marked and witnessed as described by the Surveyor General.

At point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fract. secs. 34 and 35, marked on brass cap



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

Land, rolling, and broken.

Soil, sandy, gravelly and rocky; 3rd rate.

No timber.

Undergrowth, greasewood, mesquite and chaparral.

West, on a true line, bet. secs. 27 and 34, over rolling land, through underbrush.

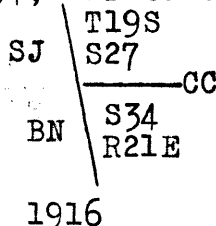
15.40

Wash, 40 lks. wide, 5 ft. deep, course SW.

18.90

Intersect E. bdy. of San Juan de las Boquillas y Nogales Land Grant 18.07 chs. S.15°39'E. of the 2 mile cor., which is a stone, marked and witnessed as described by the Surveyor General.

At point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fract. secs. 27 and 34, marked on brass cap



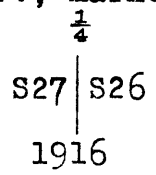
Chains

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

Land, rolling.  
Soil, sandy and gravelly; 2nd and 3rd rate.  
No timber.  
Undergrowth, greasewood, mesquite, and chaparral.

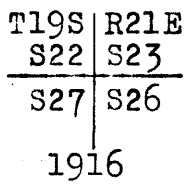
N.0°12'E., bet. secs. 26 and 27,  
over rolling land, through underbrush.

- 7.50 Wash, 100 lks. wide, 5 ft. deep, course SW.
- 14.80 Wash, 300 lks. wide, 6 ft. deep, course NW.
- 20.00 Asc. 60 ft.
- 35.00 Ridge, bears E. and W.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



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

- 45.00 Wash, course SW., 40 ft. below top of ridge.
- 46.00 Asc. on gradual slope.
- 50.00 Summit of ascent, bears NE. and SW.
- 65.00 Wash, 100 lks. wide, 4 ft. deep, course SW.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, marked on brass cap



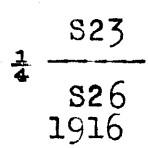
and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rolling and broken.  
Soil, sandy and gravelly; 2nd and 3rd rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

- 40.00 East, on a random line, bet. secs. 23 and 26.
- 80.14 Set temp. ¼ sec. cor.
- 80.14 Intersect N. and S. line, 21 lks. S. of the cor. of secs. 23, 24, 25 and 26.

Thence S.89°51'W., on a true line, bet. secs. 23 and 26, over rolling land, through underbrush.

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

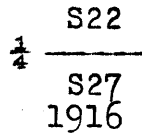


and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

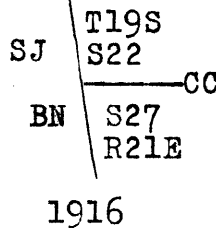
- 80.14 The cor. of secs. 22, 23, 26 and 27.
- Land, rolling. Soil, sandy and gravelly; 2nd and 3rd rate. No timber. Undergrowth, greasewood, mesquite, and chaparral.

Chains

35.50 WEST, on a true line, bet. fract. secs. 22 and 27,  
 40.00 descending, over rolling land, through underbrush.  
 Wash, 60 lks. wide, 6 ft. deep, course SW. Asc.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

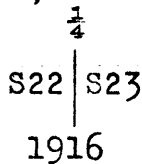


41.41 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor.  
 Intersect E. bdy. of San Juan de las Boquillas y Nogales  
 Land Grant, 14.46 chs. S.  $15^{\circ}39'$  E. of the 3 mile cor.,  
 which is a stone, marked and witnessed as described by  
 the Surveyor General, hereinbefore described.  
 At point of intersection, set an iron post, 3 ft. long,  
 2 ins. diam., 24 ins. in the ground, for closing cor.  
 of fract. secs. 22 and 27, marked on brass cap

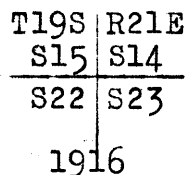


and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 E. of cor.  
 Land, rolling and broken.  
 Soil, sandy and gravelly, with cobble stones; 2nd and  
 3rd rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and chaparral.

15.00 N.  $0^{\circ}12'$  E., bet. secs. 22 and 23,  
 19.50 over rolling land, through underbrush.  
 32.00 Wash, 20 lks. wide, 5 ft. deep, course W.  
 40.00 Wash, 100 lks. wide, 5 ft. deep, course SW. Asc.  
 Summit of ascent, 40 ft. above wash.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



50.00 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 59.95 W. of cor.  
 Desc. on gradual slope.  
 Wash, 40 lks. wide, 5 ft. deep, course NW., 60 ft. below  
 top of slope. Asc. gradually.  
 75.00 Summit of ascent, 40 ft. above wash.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 14, 15, 22 and 23, marked on  
 brass cap



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

Chains

Land, rolling.  
Soil, sandy and gravelly; 2nd and rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

40.00 N.89°51'E., on a random line, bet. secs. 14 and 23.  
Set temp.  $\frac{1}{4}$  sec. cor.  
80.14 Intersect N. and S. line at the cor. of secs. 13, 14, 23 and 24.

40.07 Thence S.89°51'W., on a true line, bet. secs. 14 and 23, over gently rolling land, through underbrush.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S14  
 $\frac{1}{4}$   
S23  
1916

80.14 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
The cor. of secs. 14, 15, 22 and 23.

Land, rolling.  
Soil, sandy loam; 2nd rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

40.00 WEST, on a true line, bet. fracl. secs. 15 and 22, over rolling land, through underbrush.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

S15  
 $\frac{1}{4}$   
S22  
1916

54.50 and raise a mound of stone, 2ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Wash, 30 lks. wide, 6 ft. deep, course NW., 42 ft. below,  $\frac{1}{4}$  sec. cor.

63.94 Intersect E. bdy. of San Juan de las Boquillas y Nogales Land Grant, 11.00 chs. S.15°39'E. of the 4 mile cor., which is a stone, marked and witnessed as described by the Surveyor General.

At point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 15 and 22, marked on brass cap

SJ | T19S  
     | S15—CC  
     | S22  
BN | R21E  
     |  
1916

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

Land, rolling.  
Soil, sandy and gravelly; 2nd rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

Chains

N.0°12'E., bet. secs. 14 and 15,  
 over rolling land, through underbrush.  
 13.00 Top of rise, 40 ft. above sec. cor., bears E. and W.  
 25.00 Wash, 100 lks. wide, 4 ft. deep, course W.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

$\frac{1}{4}$   
 S15 | S14  
 1916

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

45.00 Top of rise. Desc. on gradual slope.  
 55.40 Wash, 100 lks. wide, 10 ft. deep, course N.50°W.  
 65.30 Asc. on gradual slope.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 10, 11, 14 and 15, marked on  
 brass cap

T19S | R21E  
 S10 | S11  
 ---  
 S15 | S14  
 1916

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

Land, rolling.  
 Soil, sandy and gravelly; 2nd and 3rd rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and chaparral.

40.00 N.89°51'E., on a random line, bet. secs. 11 and 14.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.98 Intersect N. and S. line 8 lks. N. of the cor. of secs.  
 11, 12, 13 and 14.

Thence S.89°54'W., on a true line, bet. secs. 11 and 14,  
 over rolling land, through underbrush.  
 39.99 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

$\frac{1}{4}$  S11  
 ---  
 S14  
 1916

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

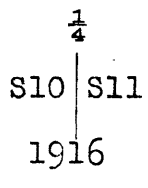
79.98 The cor. of secs. 10, 11, 14 and 15.

Land, rolling.  
 Soil, sandy and gravelly; 2nd rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and chaparral.

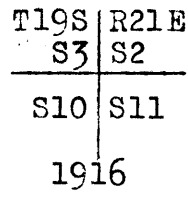
N.0°12'E., bet. secs. 10 and 11,  
 over rolling land, through underbrush.  
 10.00 Wash, course W. Asc. on gradual slope.  
 29.00 Ridge, bears E. and W. Desc. on gradual slope.  
 33.00 Wash, course W., 50 ft. below ridge.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



Chains



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 51.00 Wash, 100 lks. wide, 5 ft. deep, course SW.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, marked on brass cap

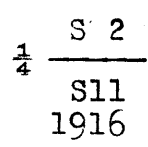


and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rolling and broken.  
 Soil, sandy and gravelly; 3rd and 4th rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and chaparral.

40.00 N. 89° 54' E., on a random line, bet. secs. 2 and 11.  
 79.92 Set temp. ¼ sec. cor.  
 Intersect N. and S. line at the cor. of secs. 1, 2, 11 and 12.

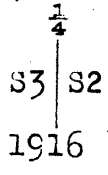
39.96 Thence S. 89° 54' W., on a true line, bet. secs. 2 and 11, over rolling land through underbrush.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



42.00 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.  
 79.92 Wash, 30 lks. wide 10 ft. deep, course SW.  
 The cor. of secs. 2, 3, 10 and 11.

Land, rolling.  
 Soil, sandy and gravelly, 2nd rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and chaparral.

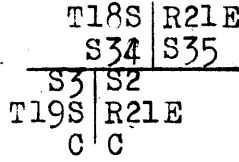
20.00 N. 0° 12' E., on a true line, bet. secs. 2 and 3,  
 40.00 over rolling land, through scattering undergrowth. Desc. gradually, 70 ft., on gentle slope.  
 Wash, 100 lks. wide, 4 ft. deep, course W.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



47.50 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Ridge, bears E. and W. Desc. gradually, 60 ft.

Chains

60.40 Wash, 200 lks. wide, 5 ft. deep, course W.  
 82.15 Intersect S. bdy. of fracl. T. 18 S., R. 21 E., 54 lks. S.89°55'W. of the cor. of secs. 34 and 35, hereinbefore described.  
 At point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of secs. 2 and 3, marked on brass cap



1916

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

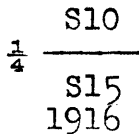
Land, rolling.

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

No timber.

Undergrowth, greasewood, mesquite and chaparral.

40.00 WEST, on a true line, bet. secs. 10 and 15, over rolling land, through underbrush.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

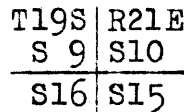


and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

67.00 Wash, 100 lks. wide, 3 ft. deep, course SW.

73.30 Low spur, slopes SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, marked on brass cap



1916

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

Land, rolling.

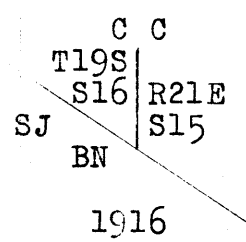
Soil, sandy and gravelly; 2nd and 3rd rate.

No timber.

Undergrowth, greasewood, mesquite and chaparral.

10.00 S.0°11'W., on a true line, bet. secs. 15 and 16, over rolling land, through underbrush.  
 11.80 Enter dense mesquite growth, along bank of largewash.  
 17.00 Wash, 100 lks. wide, 12 ft. deep, course W. Asc. gradually.  
 23.17 Low spur, slopes SW.  
 Intersect E. bdy. of San Juan de las Boquillas y Nogales Land Grant, 8.12 chs. N.15°39'W. of the 4½ mile cor., hereinbefore described.  
 At point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 15 and 16, marked on brass cap

Chains



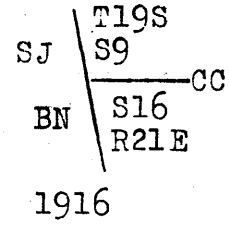
and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Land, rolling, with considerable erosion. Soil, sandy and gravelly; 3rd rate. No timber. Undergrowth, greasewood, mesquite and chaparral.

6.58

WEST, on a true line, bet. secs. 9 and 16, over rolling land, through underbrush. Intersect E. Bdy. of San Juan de las Boquillas y Nogales Land Grant, 7.51 chs. S.15°39'E. of the 5 mile cor., hereinbefore described.

At point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 15 and 16, marked on brass cap

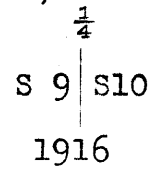


and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.

Land, rolling. Soil, sandy and gravelly; 2nd and 3rd rate. No timber. Undergrowth, greasewood, mesquite, and chaparral.

8.00  
11.50  
19.50  
39.00  
40.00

N.0°11'E., bet. secs. 9 and 10, over rolling land, through underbrush. Low spur, slopes SW. Spur, slopes SW. Top of low ridge, bears E. and W. Low spur, slopes SW. Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



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

43.50  
47.00  
54.00  
65.00  
80.00

Wash, 60 lks. wide, 4 ft. course SW. Spur, slopes W. Desc. 50 ft. Wash, 200 lks. wide, 5 ft. deep, course W. Asc. 40 ft. Ridge, bears NW. and SE. Desc. 50 ft. In wash, course W., Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, marked on brass cap

Chains

T19S	R21E
S4	S3
S 9	S10

1916

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

Land, rolling, and broken.  
Soil, sandy and rocky; 3rd and 4th rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

40.00 EAST, on a random line, bet. secs. 3 and 10.  
Set temp. ¼ sec. cor.  
80.14 Intersect N. and S. line at the cor. of secs. 2, 3, 10 and 11.

14.00 Thence WEST, on a true line, bet. secs. 3 and 10,  
over rolling land, through underbrush.  
40.07 Desc. gradually.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

¼	S 3
	S10
	1916

80.14 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.  
The cor. of secs. 3, 4, 9 and 10.

Land, rolling and broken for W. 66 chs. and rolling ridge for remainder of line.  
Soil, sandy and gravelly; 3rd and 4th rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

10.46 WEST, on a true line, bet. secs. 4 and 9,  
over level land, through underbrush.  
Intersect E. bdy. of San Juan de las Boquillas y Nogales Land Grant, 6.64 chs. S.1°58'W. of the 6 mile cor., here-  
inbefore described.  
At point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 4 and 9, marked on brass cap

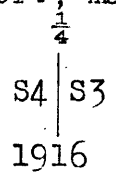
SJ	T19S	
	S4	
		CC
BN	S9	
	R21E	

1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.  
Land, rolling and level.  
Soil, sandy and gravelly; 3rd and 4th rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

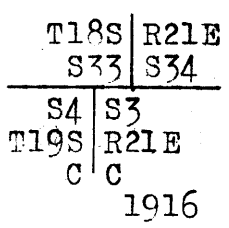
Chains

N.0°11'E., on a true line, bet. secs. 3 and 4,  
 over rolling land, through underbrush.  
 13.14 Wash, 100 lks. wide, 40 ft. deep, course W.  
 25.00 Low spur, slopes W.  
 38.50 Wash, 100 lks. wide, 3 ft. deep, course W. Asc.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor.  
 50.00 Top of ridge, bears E. and W., 90 ft. above wash. Desc.  
 45 ft.

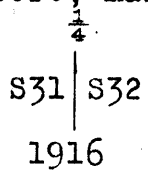
64.00 Spur, slopes W.  
 71.30 Wash, 300 lks. wide, 5 ft. deep, course W.  
 82.65 Intersect S. bdy. of Fracl. T. 18 S., R. 21 E., 67 lks.  
 N.89°40'W. of reestablished cor. of secs. 33 and 34,  
 hereinbefore described.  
 At point of intersection, set an iron post, 3 ft. long,  
 2 ins. diam., 24 ins. in the ground, for closing cor.  
 of secs. 3 and 4, marked on brass cap



Land, rolling and broken.  
 Soil, sandy and gravelly, limestone formation; 4th rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and chaparral.

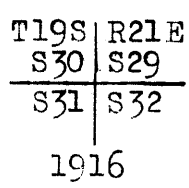
From the cor. of secs. 5, 6, 31 and 32, on S. bdy. of Tp.,  
 which is a stone, marked and witnessed as described by  
 the Surveyor General;

N.0°01'E., bet. secs. 31 and 32,  
 over level land, through dense undergrowth.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



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

76.50 Wash, 10 lks. wide, 5 ft. deep, course E.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
 ground, for cor. of secs. 29, 30, 31 and 32, marked on  
 brass cap



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

Chains

Land, level, general drainage E.  
Soil, light sandy and clay loam; 2nd rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

40.00 WEST, on a random line, bet. secs. 30 and 31.  
Set temp.  $\frac{1}{4}$  sec. cor.  
80.02 Intersect W. bdy. of Tp. at the cor. of secs. 25, 30, 31  
and 36, which is an iron post, hereinbefore described.

29.50 Thence EAST, on a true line, bet. secs. 30 and 31,  
over nearly level land, through scattering undergrowth.  
Edge of low bench, bears NW. and S. Desc. gradually.  
32.90 Ft. of slope. Thence over nearly level land.  
40.01 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

$$\frac{1}{4} \frac{S30}{S31}$$

1916

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.  
61.00 Enter dense undergrowth, bears N. and S.  
68.70 Wash, course S.75°E.  
Road, in wash, bears N.75°W. and S.75°E.  
80.02 The cor. of secs. 29, 30, 31 and 32.

Land, nearly level.  
Soil, light sandy and clay loam; 2nd rate, on E. 50 chs.,  
and clay loam, 6 to 18 ins. deep, on subsoil of lime-  
clay and gravel; 2nd rate, on remainder.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

32.30 EAST, on a true line, bet. secs. 29 and 32,  
over level land, through dense undergrowth.  
40.00 Old road, badly washed, bears NE. and SW.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

$$\frac{1}{4} \frac{S29}{S32}$$

1916

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.  
63.36 Intersect W. bdy. of San Juan de las Boquillas y Nogales  
Land Grant, 15.69 chs. N.15°39'W. of the  $15\frac{1}{2}$  mile cor.,  
which is a stone, marked and witnessed as described by  
the Surveyor General.  
At point of intersection, set an iron post, 3 ft. long,  
2 ins. diam., 24 ins. in the ground, for closing cor. of  
fract. secs. 29 and 32, marked on brass cap

$$\begin{array}{c} T19S \\ R21E \\ S29 \quad C \\ \hline S32 \quad C \\ \hline 1916 \end{array} \quad \begin{array}{l} SJ \\ \\ BN \end{array}$$

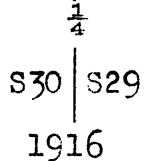
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Subdivision of Fracl. T. 19 S., R. 21 E.

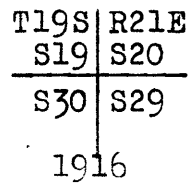
Chains

Land, level; general drainage E.  
Soil, light sandy and clay loam; 1st rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

28.80 N.0°01'E., bet. secs. 29 and 30,  
over level land, through dense undergrowth.  
40.00 Old road, bears N.70°E. and S.70°W.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for 1/4 sec. cor., marked on brass cap



80.00 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.  
Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the  
ground, for cor. of secs. 19, 20, 29 and 30, marked  
on brass cap,

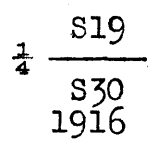


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

Land, level; general drainage, E.  
Soil, light sand and clay loam; 1st rate.  
No timber.  
Undergrowth, greasewood, mesquite, and chaparral.

40.00 WEST, on a random line, bet. secs. 19 and 30.  
Set temp. 1/4 sec. cor.  
80.06 Intersect W. bdy. of Tp. 4 lks. S. of cor. of secs. 19,  
24, 25, and 30, hereinbefore described.

21.00 Thence S.89°58'E., on a true line, bet. secs. 19 and 30,  
over nearly level land, through scattering undergrowth.  
40.03 Enter dense undergrowth, bears N. and S.  
Set an iron post, 3 ft. long, 1 in. diam. 26 ins. in the  
ground, for 1/4 sec. cor., marked on brass cap,



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

80.06 The cor. of secs. 19, 20, 29 and 30.  
Land, nearly level; drainage E.  
Soil, light sandy clay loam; 1st rate.  
No timber.  
Undergrowth, greasewood mesquite, and chaparral.

40.00 EAST, on a true line, bet. secs. 20 and 29,  
over level land, through dense undergrowth.  
Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in  
the ground, for 1/4 sec. cor., marked on brass cap,

Chains

$$\frac{1}{4} \frac{S20}{S29}$$

1916

41.16 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.  
 Intersect W. bdy. of San Juan de las Hoquillas y Nogales Land Grant, 18.82 chs. N.15°39'W. of the 14¼ mile cor., which is a stone, marked and witnessed as described by the Surveyor General.  
 At point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 20 and 29, marked on brass cap

T19S		
R21E		SJ
S20	C	
S29	C	BN

1916

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

Land, level; general drainage E.  
 Soil, light sandy clay loam, 1st rate.  
 No timber.  
 Undergrowth, greasewood, mesquite, and chaparral.

40.00 N.0°01'E., bet. secs. 19 and 20, over level land, through dense undergrowth.  
 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap

$$\frac{1}{4} \frac{S19}{S20}$$

1916

58.00 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Leave dense undergrowth, bears E. and W. Thence through scattering undergrowth.

60.00 NW. cor. of E. P. & S. W. R. R. section house bears N.38°10'E.

77.38 NW. cor. of telegraph office bears N.57°50'E.  
 Wire fence, on SW. bdy. of E. P. & S. W. R. R. right of way, bears N.49°25'W. and S.49°25'E.

79.47 Telegraph line, parallel to R. R. and fence.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 17, 18, 19, and 20, marked on brass cap

T19S	R21E
S18	S17
S19	S20

1916

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 NW. cor. of section house bears S.46°37'E.  
 NW. cor. of telegraph office bears S.46°37'E.

Land, level; general drainage E.  
 Soil, light sandy clay loam; 1st and 2nd rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and chaparral.

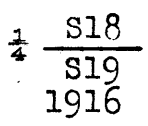


Subdivision of Fracl. T. 19 S., R. 21 E. 31

Chains

N.89°58'W., on a random line, bet. secs. 18 and 19.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.10 Intersect W. bdy. of Tp. 7 lks. N. of the cor. of secs. 13, 18, 19, and 24, hereinbefore described.

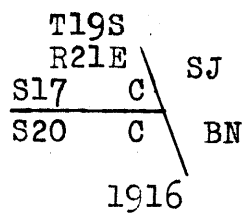
Thence N.89°59'E., on a true line, bet. secs. 18 and 19, over rolling land, through dense undergrowth.  
 15.00 Leave dense undergrowth, bears N. and S. Thence through scattering undergrowth.  
 40.05 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.  
 56.00 Desc. gradually.  
 70.00 Ft. of slope. Thence over level land.  
 77.06 Wire fence on SW. bdy. of R. R. right of way, bears N.49°25'W. and S.49°25'E.  
 79.66 Telegraph line, parallel to fence and R. R.  
 80.10 The cor. of secs. 17, 18, 19, and 20.

Land, rolling on W. 70 chs. and level on remainder. Soil, light sandy loam on E. 10 chs., 2nd rate; and light sandy loam and coarse gravel, 2nd and 3rd rate, on remainder of line.  
 No timber.  
 Undergrowth, greasewood, mesquite, and chaparral.

EAST, on a true line, bet. secs. 17 and 20, over level land, through medium growth of underbrush.  
 1.75 E. P. & S. W. R. R. track, bears N.49°25'W. and S.49°25'E.  
 2.12 Side track, parallel to R. R.  
 6.65 Wire fence, on NE. bdy. of R. R. right of way, parallel to R. R.  
 18.90 Intersect W. bdy. of San Juan de las Boquillas y Nogales Land Grant, 18.28 chs. S.15°39'E. of the 13 mile cor., which is a stone, marked and witnessed as described by the Surveyor General.  
 At point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 17 and 20, marked on brass cap



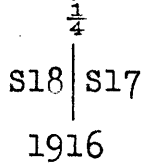
dig pits, crosswise on each line, 30x24x12 ins., S.15°39'E., 3 ft., and 24x18x12 ins., W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.

Land, level; general drainage E.  
 Soil, light sand and clay loam, 2nd rate.  
 No timber.  
 Undergrowth, greasewood, mesquite and chaparral.

N.0°01'E., bet. secs. 17 and 18, over level land, through medium growth of underbrush.  
 1.50 E. P. & S. W. R. R. track bears N.49°25'W., and S.49°25'E.  
 1.81 Side track, parallel to R. R.

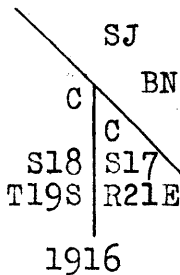
Chains

- 5.69 Wire fence, on NE. bdy. of R. R. right of way, parallel to R. R.
- 9.00 Thence over rolling land.
- 17.80 Wash, 30 lks. wide, 8 ft. deep, course N.75°E.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap



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

- 64.80 Wash, 30 lks. wide, 10 ft. deep, course N.60°E.
  - 67.68 Intersect W. bdy. of San Juan de las Boquillas y Nogales Land Grant, 11.98 chs. N.15°39'W. of the  $12\frac{1}{2}$  mile cor., which is a stone, marked and witnessed as described by the Surveyor General.
- At point of intersection set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 17 and 18, marked on brass cap

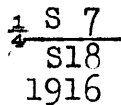


and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, S. of cor.

Land, S. 9 chs. level, and remainder of line rolling; general drainage E.  
Soil, light clay and sand loam, 2nd rate, on level land, and gray and red clay, with fine gravel, 2nd and 3rd rate, on remainder.  
No timber.  
Undergrowth, greasewood, mesquite, and chaparral.

From the cor. of secs. 7, 12, 13, and 18, on W. bdy. of Tp., hereinbefore described;

- 15.44 Wire fence, on SW. bdy. of E. P. & S. W. R. R. right of way, parallel to R. R.
- 15.51 Telegraph line, parallel to R. R.
- 17.10 R. R. Track bears NW., and S.25°20'E., on curve.
- 18.85 Wire fence, on NE. bdy. of R. R. right of way, parallel to R. R.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

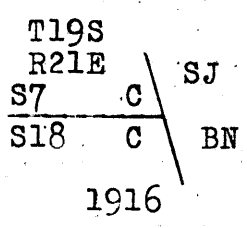


and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

- 60.00 Desc. gradually.
- 62.50 Ft. of descent. Thence over nearly level land.
- 74.80 Wash, 25 lks. wide, 8 ft. deep, course N.75°E.
- 76.54 Intersect W. bdy. of San Juan de las Boquillas y Nogales Land Grant, 2.01 chs. S.15°39'E. of Angle cor. No. 5, which is a stone, marked and witnessed as described by

Chains

the Surveyor General.  
At point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 7 and 18, marked on brass cap

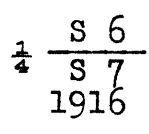


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling; general drainage E.  
Soil, gray and red clay, with patches of coarse gravel; 3rd rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

From the cor. of secs. 1, 6, 7 and 12, on W. bdy. of Tp., hereinbefore described;

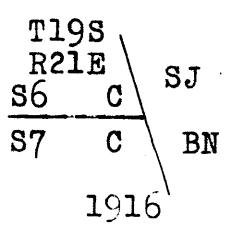
	East, on a true line, bet. secs. 6 and 7,
	over rolling land, through medium growth of underbrush.
9.50	Wash, 100 lks. wide, 6 ft. deep, course N.80°W.
11.50	Asc. 125 ft. Ft. of slope bears NE. and SW.
18.80	Top of slope, bears N. and S. Desc. 175 ft., on E. slope.
30.00	Enter level valley, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., marked on brass cap



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

78.79 Intersect W. bdy. of San Juan de las Boquillas y Nogales Land Grant, 25.24 chs. N.1°58'E. of the 1 1/2 mile cor., hereinbefore described.

At point of intersection, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for closing cor. of fracl. secs. 6 and 7, marked on brass cap



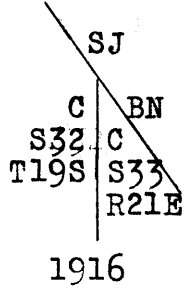
dig pits, crosswise on each line, 30x24x12 ins., S.15°39'E., 3 ft. dist., and 24x18x12 ins., W. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.

Land, rolling on W. 30 chs., and level on remainder of line.  
Soil, light sandy loam and coarse gravel, 3rd rate, on W. 30 chs., and light sandy loam, 1st rate, on remainder of line.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

Chains

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

20.21 N.0°01'E., bet. fracl. secs. 32 and 33,  
over level land, through dense undergrowth.  
Intersect W.bdy. of San Juan de las Boquillas y Nogales  
Land Grant, 6.50 chs. S.15°39'E. of the 16 mile cor.,  
which is a stone, marked and witnessed as described by  
the Surveyor General.  
At point of intersection, set an iron post, 3 ft. long,  
2 ins. diam., 24 ins. in the ground, for closing cor.  
of fracl. secs. 32 and 33, marked on brass cap



dig pits, crosswise on each line, 30x24x12 ins.,  
N.15°39'E., 3 ft., and 24x18x12 ins., S. of post, 7  
ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft.  
high, S. of cor.

Land, level, general drainage E.  
Soil, light sandy loam; 2nd rate.  
No timber.  
Undergrowth, greasewood, mesquite and chaparral.

Boundaries of Fracl. T. 19 S., R. 21 E. 35

East Portion.

Latitudes, Departures, and Closing Errors.

Line designated	True Course	Dist. chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
South Boundary	West	155.97				155.97
West Boundary, E. bdy. of S. J. de las B. y N. Grant,	N.15°39'W. N.1°58'E. N.2°17'E.	354.07 66.93 76.15	340.94 66.89 76.09			95.51
North Boundary	S.89°40'E.	8.02		.05	8.02	
	S.89°21'E.	40.00		.45	40.00	
	N.89°55'E.	39.91	.06		39.91	
	S.89°56'E.	40.41		.05	40.41	
	S.89°47'E.	119.10		.46	119.10	
East Boundary	S.0°15'W.	240.63		240.63		1.06
	S.0°29'W.	40.23		40.23		.34
	S.0°04'E.	39.94		39.94	.05	
	S.0°16'W.	40.27		40.27		.19
	S.0°12'W.	40.14		40.14		.14
	S.0°10'W.	40.16		40.16		.12
	S.0°09'W.	40.17		40.17		.11
Convergency					.21	
Totals			483.98 482.55	482.55	253.05	253.44 253.05
Error in latitude,			1.43			
Error in departure						.39

West Portion.

Latitudes, Departures, and closing Errors.

Line designated	True Course	Dist. chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
South Boundary	S.88°53'W. West	5.63 160.00		.11		5.63 160.00
West Boundary	North	481.92	481.92			
North Boundary	S.89°55'E.	3.62			3.62	
	N.89°31'E.	39.42	.34		39.42	
	East	38.71			38.71	
East Boundary, W. bdy. of S. J. de las B. y N. Grant,	S.1°58'W. S.15°39'E.	160.90 334.38		160.80 321.98		5.51
Convergency					.10	
Totals			482.26 482.26	482.89	172.05 171.14	171.14
Error in latitude,				.63		
Error in departure,						.91

The land in the portion of the Tp. E. of the San Juan de las Boquillas y Nogales Grant is generally rolling bench, broken by numerous deep draws and washes draining to the west.

The soil is coarse sandy loam and coarse gravel, unsuited for cultivation. It supportst a medium growth of greasewood, mesquite and chaparral.

The land in the portion of the Tp. W. of the San Juan de las Boquillas y Nogales Grant, with the exception of secs. 6 and 7, gently rolling rolling bench. Secs. 6 and 7 are rougher, and cut by deep draws and washes. The general drainage is easterly. In secs. 6 and 7 the soil is coarse sandy loam and coarse gravel, supporting a medium growth of greasewood, mesquite and chaparral. The remainder of this part of the Tp. has a light sandy loam and hard clay soil of good quality, lacking only irrigation to produce crops, but now supporting undergrowth similar to the rest of the Tp.

The grass throughout the Tp. is suitable for grazing purposes only.

There is no permanent water, no indication of mineral, and there are no settlers.

The E. P. & S. W. R. R. crosses the western portion of the township.

BOOK 3005

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Hargraves Wood, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 63, Arizona, bearing date of the 7th day of October, 1915, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivision lines of fractional Township 19 South, Range 21 East, of the Gila and Salt River Base and Meridian, and retraced all those parts or portions of the East boundary of the San Juan de las Boquillas y Nogales Land Grant

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Group 63, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Hargraves Wood
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

191

The foregoing field notes of the survey of

executed by

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

U. S. Surveyor General.

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

U. S. Surveyor General.

Book "B"

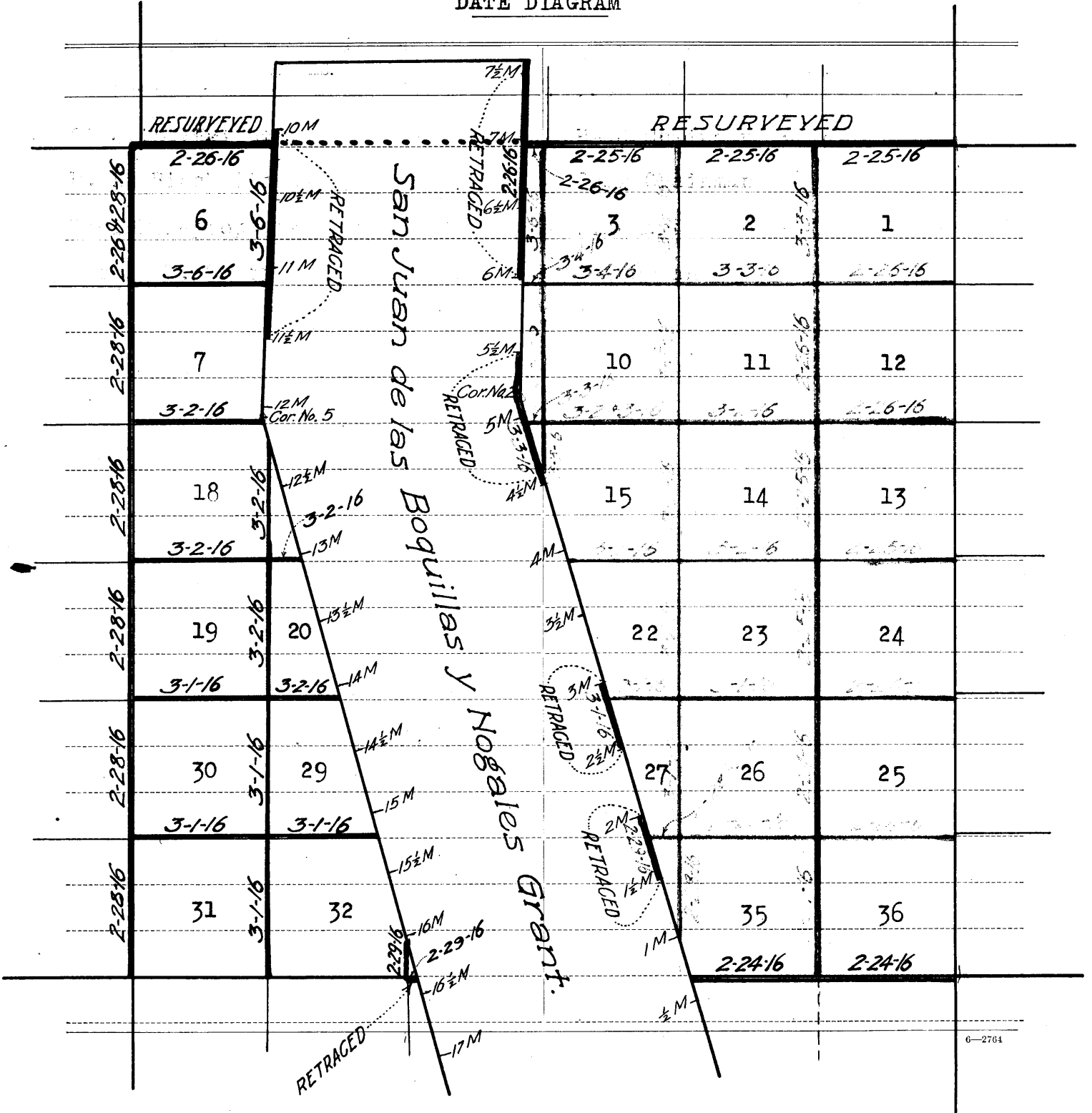
Group 63 - - Arizona.

4-680

BOOK

Fractional  
Township 19 South, Range 21 East.

DATE DIAGRAM



Retracements, resurveys and surveys executed on dates shown in red on above diagram, by Ralph Gentry, U. S. Surveyor.

Retracements and surveys executed on dates shown in green on above diagram, by Hargraves Wood, U. S. Surveyor.



BOOK 3005

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Ralph Gentry, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 63, Arizona, bearing date of the 7th day of October, 1915, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the West boundary, part of the South boundary, and the subdivision lines of fractional Township 19 South, Range 21 East, retraced all those parts or portions of the south boundary of same, and of the East and West boundaries of the San Juan de las Boquillas y Nogales Grant, and resurveyed all those parts or portions of the South boundary of fractional Township 19 South, Range 21 East, of the Gila and Salt River Base and Meridian, in the State of Group 63, Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Ralph Gentry
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Phoenix, Arizona, April 29, 1918.

The foregoing field notes of the survey of the West boundary, part of the South boundary, and the subdivision lines of fractional Township 19 South, Range 21 East, the retracement of part of the South boundary of the same and of parts of the East and West boundaries of the San Juan dellas Boquillas y Nogales Grant, and the resurvey of the South boundary of fractional Township 18 South, Range 21 East, of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by U. S. Surveyors Ralph Gentry and Hargraves Wood, under special instructions for Group 63, Arizona, dated Oct. 7, 1915, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys retracements and resurveys they describe are hereby approved.

U. S. Surveyor General.

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

U. S. Surveyor General.