

3479

4-679

Book "A"

BOOK 3479

FIELD NOTES

OF THE RETRACEMENT OF

part of the Arizona-New Mexico boundary,

OF THE RESURVEY OF

the West boundary,

and the South boundary,

AND OF THE SURVEY OF

part of the North boundary,

and the Subdivision lines of

Fractional Township 13 South, Range 32 East,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona,

EXECUTED BY

Guy R. Veal, and

Karl L. Siebecker,

U. S. Transitmen,

In the capacity of U. S. Surveyors, under Special Instructions dated October 6, 1919,

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

No. 102, Arizona, which were approved by the Commissioner of the General Land

Office, October 24, 1919, and Assignment Instructions dated Nov. 4 & 18, 1919

Retracement, Resurvey & Survey commenced November 26, 1919

Retracement, Resurvey & Survey completed December 20, 1919

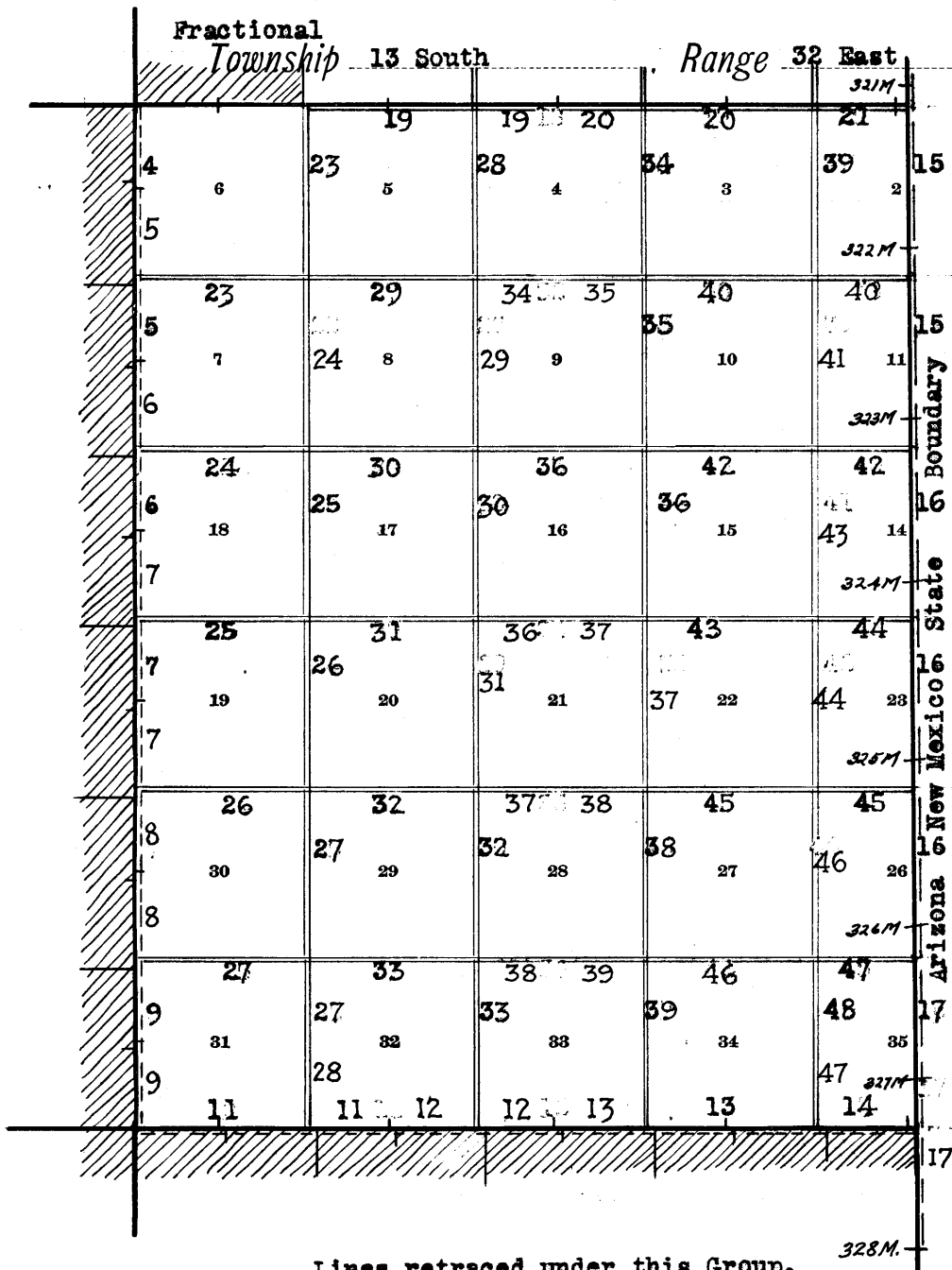
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BOOK 3479

INDEX DIAGRAM.



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

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Book "A"

Date Diagram

Fractional Township 13 South, Range 32 East.

Accepted Survey		12-4-19	12-6-19	12-6-19	12-6-19	12-6-19	12-6-19
		6	5	4	3	2	
Resurveyed	11-26-19	12-6-19	12-9-19	12-10-19	12-10-19	12-12-19	12-12-19
	7	8	9	10	11		
Resurveyed	11-26-19	12-8-19	12-11-19	12-11-19	12-12-19	12-13-19	12-13-19
	18	17	16	15	14		
Resurveyed	11-26-19	12-9-19	12-11-19	12-11-19	12-13-19	12-13-19	12-13-19
	19	20	21	22	23		
Resurveyed	11-26-19	12-9-19	12-12-19	12-12-19	12-16-19	12-13-19	12-13-19
	30	29	28	27	26		
Resurveyed	11-26-19	12-13-19	12-13-19	12-16-19	12-16-19	12-15-19	12-15-19
	31	32	33	34	35		
		12-17-19	12-15-19	12-18-19	12-20-19	12-20-19	12-20-19

Black lines on above diagram indicate retracements, resurveys, and surveys, executed by Guy R. Veal, U. S. Transitman on dates shown thereon.

Red lines on above diagram indicate resurveys and surveys executed by Karl L. Siebecker, U. S. Transitman, on dates shown thereon.

Retracements, resurveys and surveys hereinafter described executed by Guy R. Veal and Karl L. Siebecker, U. S. Transitmen, on dates shown on diagram on page 1 hereof, using respectively Buff solar transit No. 9939, and Young and Sons' light mountain transit No. 8522, each instrument being provided with Smith solar attachments. The horizontal limb of each instrument is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

Buff Instrument No. 9939 was examined, tested on the true meridian at Phoenix, Arizona, found correct and was approved, conditional upon satisfactory field performance, by the Assistant Supervisor of Surveys for Arizona and California, Nov. 4, 1919.

Young and Sons' light mountain transit No. 8522 was examined, tested on the true meridian at Phoenix, Arizona, found correct and was approved, conditional upon satisfactory field performance, by the Assistant Supervisor of Surveys for Arizona and California, Nov. 18, 1919.

Unless otherwise specified, all measurements are made with a Lufkin steel tape 5 chs. in length, compared with a Chesterman standard 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.

Field test of Instrument No. 9939.

Examine the adjustments of the transit and correct all errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined from a series of three altitude observations of the sun for azimuth, proceed as follows:

Dec. 7, 1919, at camp in sec. 9, T. 13 S., R. 32 E., G. and S. R. B. and M., in lat. $32^{\circ}19'N.$, long. $109^{\circ}4\frac{1}{2}'W.$, make a series of three altitude observations of the sun for azimuth, each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal deflection angles from the sun to a rock in the distance, as follows:

Observation	Tel. position	Sun	Vertical Angle	Horizontal angle	Time
1	Direct	☉	$27^{\circ}27'$	$89^{\circ}16'30''$	10h 7m
6	Rever	☉	$28^{\circ}32'30''$	$87^{\circ}33'$	10h 12m
2	Direct	☉	$27^{\circ}35'$	$88^{\circ}25'$	
5	Rever	☉	$28^{\circ}28'$	$88^{\circ}20'30''$	
3	Direct	☉	$27^{\circ}39'$	$88^{\circ}52'30''$	
4	Rever	☉	$28^{\circ}22'$	$87^{\circ}56'30''$	

By 1st obsn. flag brs. S. $56^{\circ}36'15''W.$

By 2nd obsn. flag brs. S. $56^{\circ}37'45''W.$

By 3rd obsn. flag brs. S. $56^{\circ}37'30''W.$

Mean true bearing of flag S. $56^{\circ}37'10''W.$

At 9 hrs. 0 m., a.m., l.m.t., set off $32^{\circ}19'N.$ on the lat. arc; $22^{\circ}31'S.$ on the decl. arc; and determine a meridian with the solar, which is found to agree with the true meridian.

At apparent noon, with the lat. arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is $22^{\circ}32\frac{1}{2}'S.$, which is the computed decl. of the sun.

At 3 hrs. 0 m., p.m., l.m.t., with the lat. arc unchanged, set off $22^{\circ}33'S.$ on the decl. arc, and determine a meridian with the solar, which is found to agree with the true meridian.

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

Test of Instrument No. 8522.

Examine the adjustments of the transit, and correct all errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, proceed as follows:

Nov. 24, 1919: At camp, near San Simon, in lat. $32^{\circ}16'N.$, long. $109^{\circ}13\frac{1}{2}'W.$, at 3h. 0m. p.m., l.m.t., set off $20^{\circ}27\frac{1}{2}'S.$ on the decl. arc; $32^{\circ}16'N.$ on the lat. arc; and determine a meridian with the solar, which agrees with the meridian established as hereinafter described. At 6h. 0m. p.m., l.m.t., make hour angle observations on Polaris for meridian, marking the direction thus determined by a tack in a stake, firmly driven in the ground, 5 chs. N. of station.

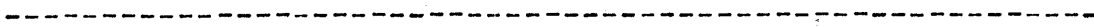
L.M.T. of obsn., Nov, 24, 1919.	6h. 0m.	0.s.
Gr.U.C. same date = 9h. 21.8m. p.m.		
Red. to long. $109^{\circ}13\frac{1}{2}'W.$ - 1.2	9h. 20.6m.	
Hour angle of Polaris, east	3h. 20.0m.	

Lay off the azimuth of Polaris, $1^{\circ}1\frac{1}{2}'$ to the west, and mark the meridian thus determined by a tack in a stake, firmly set in the ground 5 chs. N. of station.

Nov. 25, 1919. At 9h. 0m. a.m., l.m.t., set off $32^{\circ}16'N.$ on the lat. arc; $20^{\circ}30\frac{1}{2}'S.$ on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is $20^{\circ}30\frac{1}{2}'S.$, 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, conclude that the adjustments of the instrument are satisfactory.



Resurvey of West bdy. of fracl. Township 13 South, Range 32 East.

Chains.

Retracement for Resurvey.

The south and west boundaries of fracl. T.13 S. R.32 E. were surveyed in March, 1883, by R. C. Powers, U.S.D.S., and no retracement or resurvey of these boundaries are on record, except a resurvey of the north half of the west boundary of sec. 6, executed in 1914, by Wm. B. Kimmel, U.S. Surveyor, who reestablished the missing cor. of Ts. 12 and 13 S., R. 31 E., and fracl. Ts. 12 and 13 S., R. 32 E.

From the cor. of Ts. 13 and 14 S., R. 31 E., and fracl. Ts. 13 and 14 S., R. 32 E., hereinafter described, North, on retracement on E. bdy. of secs. 36, 25, 24 and 13, T. 13 S., R. 31 E., making diligent search at intervals of 40.00 chs. for original cors., but without avail, until at
 324.00 Fall 120 lks. E. of the original cor. of secs. 7, 12, 13 and 18, hereinafter described.
 The true course of range line back to Tp. cor. is therefore S. 0° 13' E., and the length of E. bdy. of secs. 13, 24, 25 and 36, T. 13 S., R. 31 E. is 81.00 chs. each.

From the original cor. of secs. 7, 12, 13 and 18, North, on retracement, on E. bdy. of sec. 12.
 40.00 No. trace of original $\frac{1}{4}$ sec. cor. of secs. 7 and 12 can be found. Set temp. cor.
 79.96 Fall 30 lks. W. of the original cor. of secs. 1, 6, 7 and 12, hereinafter described.
 The true course and dist. of E. bdy. of sec. 12, T. 13 S., R. 31 E., are therefore S. 0° 13' W., 79.96 chs.

From the original cor. of secs. 1, 6, 7 and 12, North, on retracement, on E. bdy. of sec. 1 (S. $\frac{1}{2}$).
 42.04 Fall 7 lks. E. of the original $\frac{1}{4}$ sec. cor. of secs. 1 and 6, hereinafter described.
 The true course and dist. of S. $\frac{1}{2}$ of E. bdy. of sec. 1 are therefore S. 0° 6' E., 42.04 chs.

Thence,
 North, on retracement, on E. bdy. of sec. 1 (N. $\frac{1}{2}$).
 39.90 Fall 113 lks. E. of the reestablished cor. of Ts. 12 and 13 S., R. 31 E., and fracl. Ts. 12 and 13 S. R. 32 E. hereinafter described.
 The true course and dist. of N. $\frac{1}{2}$ of E. bdy. of sec. 1 are therefore S. 1° 37' E., 39.92 chs.

Resurvey.

The south bdy. of fracl. T. 13 S., R. 32 E., as hereinafter described, being out of limits for measurement and alinement, resurvey the W. bdy. thereof, from N. to S. placing the fractional measurement in the S. $\frac{1}{2}$ of W. bdy. of sec. 31.
 The reestablished cor. of Ts. 12 and 13 S., R. 31 E., and fracl. Ts. 12 and 13 S., R. 32 E., is an iron post, 3 ins. in diam., projecting 3 ft. above ground, properly marked on brass cap, firmly set in a mound of stone, and witnessed by mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high, S. of cor. No bearing trees.

Thence,
 S. 1° 37' E., on a true line, on the W. bdy. of sec. 6.
 Over mountainous land, thru. scattering undergrowth.
 Ascend 40 ft., over N. slope.
 5.90 Spur, slopes W. Descend 535 ft., over SW. slope.

Chains.
 8.00 Edge of cliff, 135 ft. high, brs. NW. and SE. Continue descent.
 18.90 Draw, course W. Ascend 40 ft., over NW. slope.
 25.40 Spur, slopes W. Descend 55 ft., over S. slope.
 31.20 Wash, 10 lks. wide, 2 ft. deep, course W.
 39.92 Intersect the original $\frac{1}{4}$ sec. cor. of secs. 1 and 6, which is a granite stone, 8x10x6 ins. above ground, firmly set, marked "1" on W. face, and witnessed by a mound of 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No bearing trees. This cor. will hereafter refer to sec. 1 only. No change in marking or accessory is required.
 Thence,
 S. 0° 06' E., on a true line, continuing measurement of W. bdy. of sec. 6.
 40.02 (40.00 chs. southing from Tp. cor.), Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for reestablished $\frac{1}{4}$ sec. cor. of sec. 6 only, with brass cap, marked

T13S	T13S
R31E	S 6
S 1'	S 7
	R32E

1919

 40.60 Gulch, course SW. Ascend 50 ft., over NW. slope.
 41.90 Spur, slopes SW. Descend 15 ft., over SE. slope.
 47.90 Draw, course SW. Thence over W. slope.
 57.00 Wash, 15 lks. wide, 2 ft. deep, course SW. Ascend 103 ft., over NW. slope.
 66.00 Spur, slopes W. Descend 35 ft., over S. slope.
 80.02 (80.00 chs. southing from Tp. cor.), Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground, deposit marked stone (x), and raise a mound of stone around post, for reestablished cor. of secs. 6 and 7 only, with brass cap, marked

T13S	T13S
R31E	S 6
S 1'	S 7
	R32E

1919

 Land, mountainous.
 Soil, rocky and sandy, 4th rate.
 No timber.
 Undergrowth, sage brush, mesquite, greasewood and cactus.

S. 0° 6' E., on a true line, on the W. bdy. of sec. 7.
 Over mountainous land, thru. scattering undergrowth.
 Descend over SW. slope.
 1.94 (42.04 chs. S. 0° 6' E. from $\frac{1}{4}$ sec. cor. of sec. 1), Intersect original cor. of secs. 1, 6, 7 and 12, which is a granite stone, 16x12x8 ins. above ground, firmly set, marked with 1 notch on N. and 5 notches on S. edge, and witnessed by a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. No bearing trees. This cor. will hereafter refer to secs. 1 and 12, T. 13 S., R. 31 E., only., No change in marking or accessory is required.
 Thence,
 S. 0° 13' W., on a true line, continuing measurement of W. bdy. of sec. 7.
 10.00 Wash, 15 lks. wide, 1 ft. deep, course NW. Ascend 350 ft., over N. slope.
 22.40 Spur, slopes NW. Descend 285 ft., over S. slope.
 30.00 Head of gulch, course SW. Ascend 100 ft., over N. slope.
 39.20 Spur, slopes W. Descend 20 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., over cross (x) marked on bed rock, and raise a mound of stone around post, for reestablished $\frac{1}{4}$ sec. cor. of sec. 7 only, with brass cap, marked

6 Resurvey of West bay. of fracl. Township 13 South, Range 32 East.

Chains.

| S 7
1919

41.92 (Proportionate dist. of 39.98 chs. S. 0° 13' W. from cor. of secs. 1 and 12), Set an iron post, 3 ft. long, 1 in. in diam., over cross (x) marked on surface rock, and raise a mound of stone around post, for reestablished $\frac{1}{4}$ sec. cor. of sec. 12 only, with brass cap, marked

| S 12
1919

Continue line and measurement.
Descend 190 ft., over W. slope.

54.00 Wash, 22 lks. wide, 6 ft. deep, course W. Thence along W. slope.

59.00 Wash, course W.

61.00 Wash, course W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 22 ins. in the ground, with marked (X) stone deposited, for reestablished cor. of secs. 7 and 18 only, marked on brass cap,

T13S | T13S
R31E | S 7
 | S 18
 | R32E
 | 1919

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

Land, rough, mountainous.

Soil, sandy and rocky, 4th rate.

No timber.

Undergrowth, sage brush, mesquite, greasewood and cactus.

S. 0° 13' W., on a true line, on the W. bdy. of sec. 18.
Over rolling land, thru. scattering undergrowth.
Descend 60 ft., over SW. slope.

1.90 (39.98 chs. S. 0° 13' W. from $\frac{1}{4}$ sec. cor. of sec. 12), Intersect the original cor. of secs. 7, 12, 13 and 18, which is a granite stone, 10x10x5 ins. above ground, firmly set, marked with 2 notches on N. edge, and 4 notches on S. edge; and witnessed by a mound of stone, W. of cor. No bearing trees. This cor. will hereafter refer to secs. 12 and 13, T. 13 S., R. 31 E., only. No change in marking or accessory is required.

Thence,
S. 0° 13' E., on a true line, continuing measurement of W. bdy. of sec. 18.

25.50 Wash, 90 lks. wide, 3 ft. deep, course W. Also, old road brs. E. and W. Thence over gently rolling land.

31.00 Wash, course W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 18 only, marked on brass cap,

| S 18
1919

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

42.40 (Proportionate dist. of 40.50 chs. S. 0° 13' E. from cor. of secs. 12 and 13), Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 13 only, marked on brass cap,

Chains.

1/4 S13

1919

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

65.00
80.00

Old road, brs. NE. and W.
Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for reestablished cor. of secs. 18 and 19 only, marked on brass cap,

T13S	T13S
R31E	S18
S13	S19
	R32E

1919

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

35.00
30.00

Soil, sandy and rocky, 4th rate.
Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for reestablished cor. of secs. 18 and 19 only, marked on brass cap,

S. 0°13'E., on a true line, on the W. bdy. of sec. 19.
Over rolling land, thru. scattering undergrowth.
(Proportionate dist., of 81.00 chs. S. 0°13'E. from cor. of secs. 12 and 13),

2.90

Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for reestablished cor. of secs. 13 and 24 only, with brass cap, marked

T13S	T13S
S13	R32E
S24	S19
R31E	

1919

30.00
40.00

Old road, brs. NE. and SW.
Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for reestablished 1/4 sec. cor. of sec. 19 only, marked on brass cap,

1/4 S19

1919

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

43.40

(Proportionate dist. of 40.50 chs. S. 0°13'E. from cor. of secs. 13 and 24),
Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for reestablished 1/4 sec. cor. of sec. 24 only, marked on brass cap,

1/4 S24

1919

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

43.60
65.00
80.00

Road, brs. NE. to Lyall's ranch, and SW. to San Simon.
Wash, course W.
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 19 and 30, only, marked on brass cap,

8 Resurvey of West boundary of fract. T. 13 S. R. 32 E.

Chains.

T13S	T13S
R31E	S19
	S30
S24	R32E
1919	

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

Land, rolling, and gently rolling.

Soil, sandy, 4th rate.

No timber.

Undergrowth, greasewood, mesquite and cactus.

3.90

S. $0^{\circ}13'E.$, on a true line, on the W. bdy. of sec. 30. Over rolling land, thru. scattering undergrowth. (Proportionate dist. of 81.00 chs. S. $0^{\circ}13'E.$ from cor. of secs. 13 and 24),

Set an iron post 3 ft. long, 2 ins. in diam., 16 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post for reestablished cor. of secs. 24 and 25 only, with brass cap, marked

T13S	T13S
S24	R32E
S25	S30
R31E	S30
1919	

5.00
34.00
40.00

Center of draw, 2 chs. wide, 5 ft. deep, course W.

Wash, course W.

Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 30 only, marked on brass cap,

S30
1919

44.40

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

(Proportionate dist. of 40.50 chs. S. $0^{\circ}13'E.$ from cor. of secs. 24 and 25), Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec. 25 only, marked on brass cap,

S25
1919

62.50
67.50
80.00

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

Wash, 50 lks. wide, 2 ft. deep, course W.

Old road, brs. E. and W.

Set an iron post 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for reestablished cor. of secs. 30 and 31 only, marked on brass cap,

T13S	R13S
R31E	S30
	S31
S25	R32E
1919	

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

Land, rolling.

Soil, sandy, 4th rate.

No timber.

Undergrowth, greasewood, mesquite, catclaw and cactus.

Resurvey of West boundary of fracl. T. 13 S., R. 32 E.

Chains.

4.90 S.0°13'E., on a true line, on W.bdy. of sec.31.
Over rolling land, thru. scattering undergrowth.
(Proportionate dist. of 81.00 chs., S.0°13'E. from cor. of
secs.24 and 25),

Set an iron post, 3 ft. long, 2 ins. in diam., 22 ins. in
the ground; for reestablished cor. of secs.25 and 36
only, marked on brass cap,

T13S	T13S
S25	R32E
S36	
R31E	S31
1919	

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

8.00 Center of wash, 1 ch. wide, 2 ft. deep, course W.

19.00 Wash, 15 lks. wide, 3 ft. deep, course W.

37.45 Road, brs. E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
the ground, for reestablished ¼ sec. cor. of sec.31
only, marked on brass cap,

¼S31

1919

45.40 And raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
(Proportionate dist. of 40.50 chs. S.0°13'E. from cor. of
secs.25 and 36),

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in
the ground, for reestablished ¼ sec. cor. of sec.36 only,
marked on brass cap,

¼S36

1919

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

57.60 Wash, 20 lks. wide, 2 ft. deep, course W.

85.00 Road, brs. NE and SW.

85.90 Intersect the original cor. of Ts.13 and 14 S., R.31 E., and
fracl. Ts.13 and 14 S., R.32 E., which is a marked stone
buried in the ground; with faint evidence of the 4
original pits, one each N., S.E. and W. of cor. In E.
pit, is a redwood stake, 2 ins. square, projecting 12
ins., with distinct markings, as per record. No bearing
trees.

At original cor. point, set an iron post, 3 ft. long, 3 ins.
in diam., 24 ins. in the ground, with original marked
(x) stone deposited at its base, for reestablished cor.
of Ts.13 and 14 S., R.31 E., and fracl. Ts.13 and 14 S.,
R.32 E., marked on brass cap,

T13S	
R31E	R32E
S36	S31
S 1 S 6	
T14S	
1919	

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

Land, rolling.

Soil, sandy, 4th rate.

No timber.

Undergrowth, greasewood, mesquite, catclaw and cactus.

Resurvey of South boundary of fracl. T.13 S., R.32 E.

Chains.

Retracement for Resurvey.

- From the reestablished cor. of Ts. 13 and 14 S., R. 31 E., and fracl. Ts. 13 and 14 S., R. 32 E.
East, on retracement, on N. bdy. of sec. 6 (W. $\frac{1}{2}$).
40.14 Fall 13 lks. S. of the original $\frac{1}{4}$ sec. cor. of secs. 6 and 31, hereinafter described.
The true course and dist. of W. half of N. bdy. of sec. 6 are therefore N. 89° 49' E., 40.14 chs.
Thence,
East, on retracement, on N. bdy. of sec. 6 (E. $\frac{1}{2}$).
40.38 Fall 66 lks. S. of the original cor. of secs. 5, 6, 31 and 32, hereinafter described.
The true course and dist. of E. $\frac{1}{2}$ of N. bdy. of sec. 6 are therefore N. 89° 04' E., 40.38 chs.
-
- From the cor. of secs. 5, 6, 31 and 32,
East, on retracement, on N. bdy. of sec. 5 (W. $\frac{1}{2}$).
39.96 Fall 79 lks. S. of the original $\frac{1}{4}$ sec. cor. of secs. 5 and 32, hereinafter described.
The true course and dist. of W. $\frac{1}{2}$ of N. bdy. of sec. 5, are therefore N. 88° 52' E., 39.97 chs.
Thence,
East, on retracement on N. bdy. of sec. 5 (E. $\frac{1}{2}$).
41.16 Fall 56 lks. S. of the original cor. of secs. 4, 5, 32 and 33, hereinafter described.
The true course and dist. of E. half of N. bdy. of sec. 5 are therefore N. 89° 13' E., 41.16 chs.
-
- From the cor. of secs. 4, 5, 32 and 33,
East, on the retracement, on N. bdy. of sec. 4 (W. $\frac{1}{2}$).
41.04 Fall 52 lks. S. of the original $\frac{1}{4}$ sec. cor. of secs. 4 and 33, hereinafter described.
The true course and dist. of W. $\frac{1}{2}$ of N. bdy. of sec. 4 are therefore N. 89° 16' E., 41.04 chs.
Thence,
East, on retracement on N. bdy. of sec. 4 (E. $\frac{1}{2}$).
40.09 Fall 17 lks. S. of the original cor. of secs. 3, 4, 33 and 34, hereinafter described.
The true course and dist. of E. $\frac{1}{2}$ of N. bdy. of sec. 4, are therefore N. 89° 45' E., 40.09 chs.
-
- From the cor. of secs. 3, 4, 33 and 34,
East, on retracement, on N. bdy. of sec. 3.
40.00 Diligent search fails to reveal any trace of the original $\frac{1}{4}$ sec. cor. of secs. 3 and 34. Set temp. cor.
81.18 Fall 99 lks. S. of the original cor. of secs. 2, 3, 34 and 35, hereinafter described.
The true course and dist. of N. bdy. of sec. 3 are therefore N. 89° 18' E., 81.18 chs.
-
- From the cor. of secs. 2, 3, 34 and 35,
East, on retracement, on N. bdy. of sec. 2.
33.66 Fall 6 lks. N. of original closing cor. of fracl. Ts. 13 and 14 S., R. 32 E.; on Arizona-New Mexico State Boundary line, hereinafter described.
The true course and dist. of N. bdy. of sec. 2 are therefore S. 89° 54' E., 33.66 chs.
-

Resurvey.

Resurvey of South bdy. of Fracl. T.13 S., R. 32 E. 11

Chains.

From the reestablished cor. of Ts.13 and 14 S., R.31 E., and fracl. Ts.13 and 14 S., R.32 E., hereinbefore described.
 N.89° 49' E., on a true line, on S. bdy. of sec.31.
 Over gently rolling land, thru. scattering undergrowth. (40.00 chs. westing from cor. of secs. 31 and 32),
 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of sec.31 only, marked on brass cap,

37.43

1/4 S 31
 1919

40.14 Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist. Intersect the original $\frac{1}{4}$ sec. cor. of secs. 6 and 31, which is a granite stone, 5x12x8 ins. above ground, firmly set, marked "1" on N. face, with faint indications of original pits E. and W. of cor. Dig out same pits to 18x18x12 ins. No bearing trees.

This cor. will hereafter refer to sec. 6 only. No change in marking or accessory is required.

Thence,
 N.89°4' E., on a true line, continuing measurement of S. bdy. of sec.31.

51.40
77.43

Wash, course SW.
 Point of intersection of Sectional Guide Meridian surveyed south thru. fractional T.13 S., R.32 E., as hereinafter described, at which point, Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground; for closing cor. of secs. 31 and 32, marked on brass cap,

	C	
T13S		R32E
S31		S32
S 6		
T14S		R32E
1919		

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
 Land, rolling.
 Soil, sandy, 3rd rate.
 No timber.
 Undergrowth, greasewood.

3.09 N.89°4' E., on a true line, along the S. bdy. of sec.32. Over rolling land, thru. scattering undergrowth (40.38 chs. N.89°04' E. from $\frac{1}{4}$ sec. cor. of sec.6), Intersect the original cor. of secs. 5, 6, 31 and 32, which is a granite stone, 5x10x7 ins. above ground, firmly set, marked with 1 notch on W. edge, and 5 notches on E. edge, and witnessed by faint traces of the original pits. No bearing trees. Redig pits, 18x18x12 ins., SE & SW of cor. 3 ft. dist., making this cor. refer to secs. 5 and 6 only.

17.60
21.60

Thence,
 N.88°52' E., on a true line, continuing measurement of S. bdy. of sec.32.

Enter wash, course SW.
 Leave wash, course SW. Leave rolling, and enter mountainous land. Ascend 205 ft.

40.01

(40.00 chs. easting from closing cor. of secs. 31 and 32), set an iron post 3 ft. long, 1 in. in diam., 16 ins. in the ground; deposit marked (x) stone, and raise a mound of stone around post, for reestablished $\frac{1}{4}$ sec. cor. of sec.32 only, with brass cap, marked

1/4 S 32
 1919

12 Resurvey of South boundary of Fracl. T. 13 S., R. 32 E.

Chains.
 41.25 End of spur, slopes NW. Descend NE. slope.
 43.06 (39.97 chs. N. 88° 52' E. from cor. of secs. 5 and 6), Intersect the original $\frac{1}{4}$ sec. cor. of secs. 5 and 32, which is a volcanic stone, 5x18x12 ins. above ground, firmly set, marked "1/4" on N. face, with mound of stone N. of cor. No bearing trees. Destroy the old mound of stone N. of cor., and raise a new mound, 2 ft. base, 1 1/2 ft. high, S. of cor., making cor. refer to sec. 5, fracl. T. 14 S., R. 32 E. only.
 Thence N. 89° 13' E., on a true line, continuing measurement of S. bdy. of sec. 32.
 Ascend 170 ft., over NW. slope.
 70.40 Spur, slopes NW. Descend 75 ft., over NE. slope.
 Leave mountainous and enter rolling land.
 80.01 (80.00 chs. easting from cor. of secs. 31 and 32), Set an iron post 3 ft. long, 2 ins. in diam., 20 ins. in the ground, deposit marked (x) stone, and raise a mound of stone ^{around post} for reestablished cor. of secs. 32 and 33 only, with brass cap, marked

T13S	R32E
S32	S33
S 5	
T14S	R32E
1919	

Land, rolling and mountainous.
 Soil, sandy and rocky, 4th rate.
 No timber.
 Undergrowth, greasewood.

N. 89° 13' E., on a true line, on S. bdy. of sec. 33.
 Over rolling land, thru. dense undergrowth.
 Descend 15 ft.
 4.21 (41.16 chs. N. 89° 13' E. from $\frac{1}{4}$ sec. cor. of sec. 5), Intersect the original cor. of secs. 4, 5, 32 and 33, which is a granite stone, 6x14x10 ins. above ground, firmly set, marked with 2 notches on W. edge and 4 notches on E. edge; and witnessed by a mound of stone, W. of cor. No bearing trees. Alter this cor. to refer to secs. 4 and 5 only, by destroying the original mound of stone, and raising a new mound, 2 ft. base, 1 1/2 ft. high, S. of cor.
 Thence,
 N. 89° 16' E., on a true line, continuing measurement of S. bdy. of sec. 33.
 Descend 105 ft.
 29.15 Wash, 30 lks. wide, course NW. Leave rolling, and enter mountainous land. Ascend 175 ft., over SW. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, with marked (x) stone, for reestablished $\frac{1}{4}$ sec. cor. of sec. 33 only, and raise a mound of stone around post, with brass cap, marked

1/4 S. 33
 1919

45.25 (41.04 chs. N. 89° 16' E. from cor. of secs. 4 and 5), Intersect the original $\frac{1}{4}$ sec. cor. of secs. 4 and 33, which is a volcanic stone, 18x10x4 ins. above ground, firmly set, marked "1/4" on N. face, and witnessed by a mound of stone N. of cor. No bearing trees. Remove the original mound of stone, N. of cor., and raise a new mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor., making this cor. refer to sec. 4, fracl. T. 14 S., R. 32 E. only.
 Thence,
 N. 89° 45' E., on a true line, continuing measurement of S. bdy. of sec. 33.
 47.25 Spur, slopes SE. Descend 190 ft., over NE. slope.
 64.95 Leave mountainous, and enter rolling land.

Resurvey of South bdy. of fracl. Township 13 South, Range 32 East 13

Chains.
67.05
72.65
80.00

Wash, course SE.
Wash, course SW.
Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for reestablished cor. of secs. 33 and 34 only, with brass cap, marked

T13S | R32E
S33 | S34
S 4.
T14S R32E
1919

Land, rolling, and mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, greasewood and scattering yucca.

5.34 N. 89°45'E., on a true line, on S. bdy. of sec. 34. Over rolling land, thru. scattering undergrowth. (40.09 chs. N. 89°45'E. from $\frac{1}{4}$ sec. cor. of sec. 4), Intersect the original cor. of secs. 3, 4, 33 and 34, which is a quartzite stone, 8x5x6 ins. above ground, firmly set, marked with 3 notches on each of E. and W. edges; and witnessed by faint indications of original pits. No bearing trees. Redig pits, 18x18x12 ins., SE. and SW. of post, 3 ft. dist., making this cor. refer to secs. 3 and 4, fracl. T. 14 S., R. 32 E. only.

Thence,
N. 89°18'E. on a true line, continuing measurement of S. bdy. of sec. 34.

24.04 Wash, course SW.
39.04 Wash, course SW.
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. 34 only, marked on brass cap,

$\frac{1}{4}$ S 34
1919

45.93 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. (Proportionate dist. of 40.59 chs., N. 89°18'E. from cor. of secs. 3 and 4),

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. 3 only, marked on brass cap,

$\frac{1}{4}$ S 3
1919

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

50.34 Wash, course SW.
55.44 Wash, course SW.
68.14 Wash, course SW.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for reestablished cor. of secs. 34 and 35 only, marked on brass cap,

T13S | R32E
S34 | S35
S 3
T14S R32E
1919

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

14 Resurvey of South bdy. of fracl. Township 13 South Range 32 East Chains.

Land, rolling.
Soil, sandy and gravelly, 4th rate.
No timber.
Undergrowth, greasewood and catclaw.

6.52 N. 89° 18' E., on a true line, on S. bdy. of sec. 35. Over rolling land, thru. scattering undergrowth. (81.18 chs. N. 89° 18' E., from cor. of secs. 3 and 4), Intersect the original cor. of secs. 2, 3, 34 and 35, which is a granite stone, 4x5x12 ins. above ground, firmly set, marked with 2 notches on E. edge, and 4 notches on W. edge, and witnessed by a mound of stone, W. of cor. No bearing trees. Remove the original mound of stone, W. of cor., and raise a new mound, 2 ft. base, 1 1/2 ft. high, S. of cor., making this cor. refer to secs. 2 and 3, T. 14 S., R. 32 E. only.

Thence,
10.50 S. 89° 54' E., on a true line, continuing measurement of S. bdy. of sec. 35.
16.30 Wash, course S.; ascend.
16.50 Wash, course SW.
23.50 Ascend W. slope, 35 ft.
25.30 Descend.
40.00 Wash, course SW. Ascend 85 ft.
Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for reestablished 1/4 sec. cor. of sec. 35 only, with brass cap, marked

T13S
R32E
S35
1919

40.18 Intersect the original closing cor. of fracl. Ts. 13 and 14 S., R. 32 E. on E. bdy. of Arizona, which is a stone badly weathered, 6x8x18 ins. above ground, firmly set, with faint markings, and witnessed by a mound of stone, W. of cor. No bearing trees. This cor., by retracement hereinafter described, is found to be 9.53 chs. S. 0° 4' W. from the 327 mile mon. on the Arizona-New Mexico Boundary.

Alongside old stone, set an iron post 3 ft. long, 3 ins. in diam., 20 ins. in the ground, deposit marked (x) stone, and raised a mound of stone around post, for reestablished closing cor. of fracl. Ts. 13 and 14 S., R. 32 E., with brass cap, marked

T13S
R32E
S35
S 2
T14S
1919
New Mex.

Land, rolling.
Soil, rocky, 4th rate.
No timber.
Undergrowth, greasewood and catclaw.

Retracement of part of the
Arizona-New Mexico Bdy.--321 mile mon. to 328 mile mon.

15

Chains.

The Arizona-New Mexico State Boundary was surveyed in 1875 by Chandler Robbins, U.S. Astronomer and Surveyor, and on the portion which is retraced as described in the following notes, no retracement of resurvey is of record in the office of the U.S. Surveyor General at Phoenix, Arizona.

The 321 mile monument on the Arizona-New Mexico Boundary, is a granite stone, 10x14x15 ins. above ground, firmly set, marked "321" on N. side, "32° W.L." on the S., "Ariz." on the W. and "NM" on the E.

Thence,

South, on retracement of 322nd mile.

Over mountainous land, thru. scattering undergrowth.

Ascend 380 ft., over NW. slope.

31.40 Spur, slopes W.; descend.

35.00 Ascend 490 ft., over NW. slope.

40.00 From this point, Stein's Peak brs. S. 81½° E. Ascend NE. slope.

47.20 Spur, slopes NW. Continue ascent along W. slope.

57.85 Spur, slopes SW. Descend S. slope, 490 ft.

74.00 Draw, course SW. Ascend 10 ft.

79.50 Spur, slopes SW.; descend.

79.83 Fall 41 lks. E. of a lava stone, 6x4x15 ins. above ground, firmly set, marked "CC" on E. face, with 1 notch on N. edge, and 5 notches on S. edge. This is the closing cor. of secs. 6 and 7, T. 23 S., R. 21 W. New Mexico Base and Meridian.

80.52 Fall 41 lks. E. of the 322 mile monument, which is a lava stone, 6x14x14 ins. above ground, firmly set, marked "322" on N. side; "32° W.L." on the S., "Ariz." on W., and "N.M." on the E. No accessories.

The true course and dist. of the 322nd mile are therefore S. 0° 18' W., 80.52 chs.

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, catclaw, cedar and mesquite.

From the 322 mile monument,

South, on retracement of 323rd mile.

Over mountainous land, thru. scattering undergrowth.

Descend.

0.40 Draw, course SW. Ascend 20 ft.

6.50 Spur, slopes SW. Descend 20 ft.

10.00 Saddle in ridge, brs. NW. and SE.

13.50 Ascend 20 ft.

17.30 Spur, slopes W. Descend 370 ft.

36.80 Wash, 30 lks. wide, course SE. Ascend 35 ft.

44.50 Spur, slopes E. Descend.

47.90 Wash, course NE. Ascend 145 ft.

59.50 Spur, slopes E. Descend 120 ft.

69.10 Draw, course SE. Ascend 25 ft.

74.50 Spur, slopes SE. Descend.

78.97 Fall 25 lks. E. of a granite stone, 4x9x8 ins., above ground firmly set, marked "CC" on E. face, with 2 notches on N. edge, and 4 on S. edge. No accessories. This is the closing cor. of secs. 7 and 18, T. 23 S., R. 21 W., New Mexico Base and Meridian.

79.55 Fall 25 lks. E. of the 323rd mile monument, which is a trap rock, 18x12x6 ins., above ground, firmly set, marked "323" on N. side, "32° W.L." on the S., "ARIZ." on the W., and "NM" on the E. No accessories.

The true course and dist. of 323rd mile are therefore S. 0° 11' W., 79.55 chs.

Land, mountainous.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, catclaw, cedar, mesquite, yucca, palo verde, cactus and Spanish dagger.

16 Retracement of part of the Arizona-New Mexico Boundary---321 mile mon.to 328 mile mon.

Chains.

From the 323 mile monument,
 South on retracement of 324th mile.
 Over rolling land, thru. scattering undergrowth.
 Descend 25 ft.
 5.00 Draw, course SE. Thence along E. slope.
 40.00 Wash, 50 lks. wide, course SW. Ascend 60 ft.
 42.40 Spur, slopes SW. Descend 30 ft.
 55.00 Ascend 40 ft.
 61.80 Spur, slopes NE. Descend 50 ft.
 80.31 Fall 43 lks. E. of the 324th mile monument, which is a
 lava rock, 6x12x8 ins. above ground, firmly set, marked
 "324" on N. side, "32° WL" on the S., "ARIZ." on the W.
 and "NM" on the E. No accessories.
 The true course and dist. of 324th mile are therefore S.
 0°18' W., 80.31 chs.
 Land, rolling.
 Soil, sandy and rocky, 3rd and 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw, Spanish dagger and cact
 tus.

From the 324th mile monument,
 South, on retracement of 325th mile.
 Over rolling land, thru. scattering undergrowth.
 Descend gradually.
 13.40 Wash, 20 lks. wide, course SW. Thence along W. slope.
 25.50 Wash, 20 lks. wide, course SW.
 50.00 Wash, 10 lks. wide, course SW.
 79.10 Road brs. NW. to San Simon, Arizona, and SE. to Steins, New
 Mexico.
 79.06 Fall 43 lks. E. of a trap stone, 2x3x5 ins. above ground,
 firmly set, marked "CC" on E. face, with 4 notches on
 N. edge, and 2 notches on S. edge. This is the closing
 cor. of secs. 19 and 30, T. 23 S., R. 21 W., New Mexico
 Base and Meridian.
 80.46 Fall 44 lks. E. of the 325 mile monument, which is a trap
 rock, 7x9x10 ins. above ground, firmly set, marked
 "325" on N. side, "32° WL" on S., "ARIZ." on the W., and
 "NM" on the E. No accessories.
 The true course and distance of 325th mile are there-
 fore S. 0° 19' W., 80.40 chs.
 Land, rolling.
 Soil, sandy and gravelly, 4th rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

From the 325 mile monument,
 South, on retracement of 326th mile.
 Over rolling land, thru. scattering undergrowth.
 12.90 Wash, 5 lks. wide, course SW.
 18.80 Wash, 30 lks. wide, course NW.
 27.20 Wash, 5 lks. wide, course NW. Ascend 40 ft.
 40.90 Spur, slopes NW. Descend.
 50.90 Wash, 5 lks. wide, course NW. Ascend 200 ft.
 61.10 Ridge, brs. E. and W. Descend 280 ft.
 75.50 Draw, 5 lks. wide, course SW.
 78.59 Fall 16 lks. W. of a lava stone, 6x16x19 ins. above
 ground, firmly set, marked "CC" on E. face, with 5
 notches on N. edge, and 1 notch on S. edge. This is the
 closing cor. of secs. 30 and 31, T. 23 S., R. 21 W., New
 Mexico Base and Meridian.
 79.92 Fall 16 lks. W. of the 326 mile monument, which is a vol-
 canic stone, 8x12x14 ins. above ground, firmly set,
 marked "326" on N. side, "32° WL" on S., "ARIZ." on W.,
 and "NM" on E. No accessories.
 The true course and dist. of 326th mile are therefore
 S. 0° 7' E., 79.92 chs.
 Land, rolling.

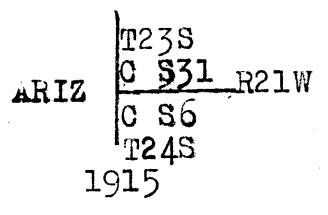
Retracement of part of the
Arizona-New Mexico Boundary--321 mile mon. to 328 mile mon. 17

Chains.

Soil, sandy and gravelly, 4th rate.
No timber.
Undergrowth, greasewood, catclaw and cactus.

From the 326 mile monument,
South, on retracement of 327th mile.
Over rolling and mountainous land, thru. scattering under-
growth.

- 0.70 Descend.
 - 6.60 Draw, 5 lks. wide, course SE.
 - 10.35 Same draw, 10 lks. wide, course SW. Ascend 40 ft.
 - 15.00 Point of rock, slopes W. Thence along W. slope.
 - 16.20 Ascend 20 ft.
 - 26.00 Spur, slopes W. Descend 105 ft.
 - 27.70 Same wash, 15 lks. wide, course SE. Thence over rolling land.
 - 31.00 Same wash, 15 lks. wide, course SW.
 - 31.90 Wash, 30 lks. wide, course W.
 - 46.20 Road, brs. SW. to San Simon, Arizona, and NE. to
 - 49.00 Wash, 10 lks. wide, course NW. Ascend 20 ft.
 - 53.70 Spur, slopes SW. Descend.
 - 59.90 Wash, 15 lks. wide, course NW. Ascend 55 ft.
 - 68.10 Spur, slopes W. Descend 115 ft.
 - 78.48 Wash, 10 lks. wide, course W.
- Fall 56 lks. E. of a 3 in. iron post, firmly set, projecting 12 ins. above ground, and mound of stone E. of cor. No bearing trees. This is closing cor. of Ts. 23 and 24 S., R. 21 W. of the New Mexico Base and Meridian, State of New Mexico.
- The brass cap, of this post is marked



- 81.05 True course of line to this closing cor. is S. 0° 24' W. Continue line and measurement.
- Fall 56 lks. E. of the 327 mile monument, which is a trap rock, 18x13x7 ins., firmly set in a mound of stone, marked "327" on N. side, "32° WL" on S., "ARIZ" on W., and "NM" on E. No bearing trees.
- The true course and dist. of 327th mile are therefore S. 0° 24' W., 81.05 chs.
- Land, rolling and mountainous.
- Soil, rocky, 4th rate.
- No timber.
- Undergrowth, cedar, catclaw, soto, ocotilla and cactus.

- 0.80 From 327 mile monument, South, on retracement of 328th mile. Over rolling land, thru. scattering undergrowth. Ascend 70 ft.
- 9.53 Road brs. NW. to San Simon, Ariz., and SE. to Steins, New Mexico.
- Fall 1 lk. E. of the original closing cor. of frac. Ts. 13 and 14 S., R. 32 E., Ariz., hereinbefore described. True course of line to this closing cor. is S. 0° 4' W. Continue line and measurement.
- 18.00 Leave rolling and enter level land.
- 64.50 Wash, 25 lks. wide, course SW.
- 78.57 Fall 9 lks. E. of a 2 in. iron post, firmly set, projecting 12 ins. above ground, and witnessed by a mound of stone, E. of cor. No bearing trees. This is closing cor. of secs. 6 and 7, T. 24 S., R. 21 W. of the New Mexico Base and Meridian, State of New Mexico.

Retracement of part of the
18 Arizona-New Mexico Boundary--321 mile mon. to 328 mile mon.

Chains.

The brass cap of this post is marked

	T24S
ARIZ.	C S 6
	C S 7
	R21W

1915

80.14

True course of line to this closing cor. is S.0° 4'W.
Fall 9 lks.E. of the 328 mile monument, which is a granite
stone, 8x5 ins. above ground, firmly set, marked "328"
on N. side, "32°WL" on S., "ARIZ." on W., and "NM" on
E., and witnessed by a mound of stone, N. of cor. No
bearing trees.

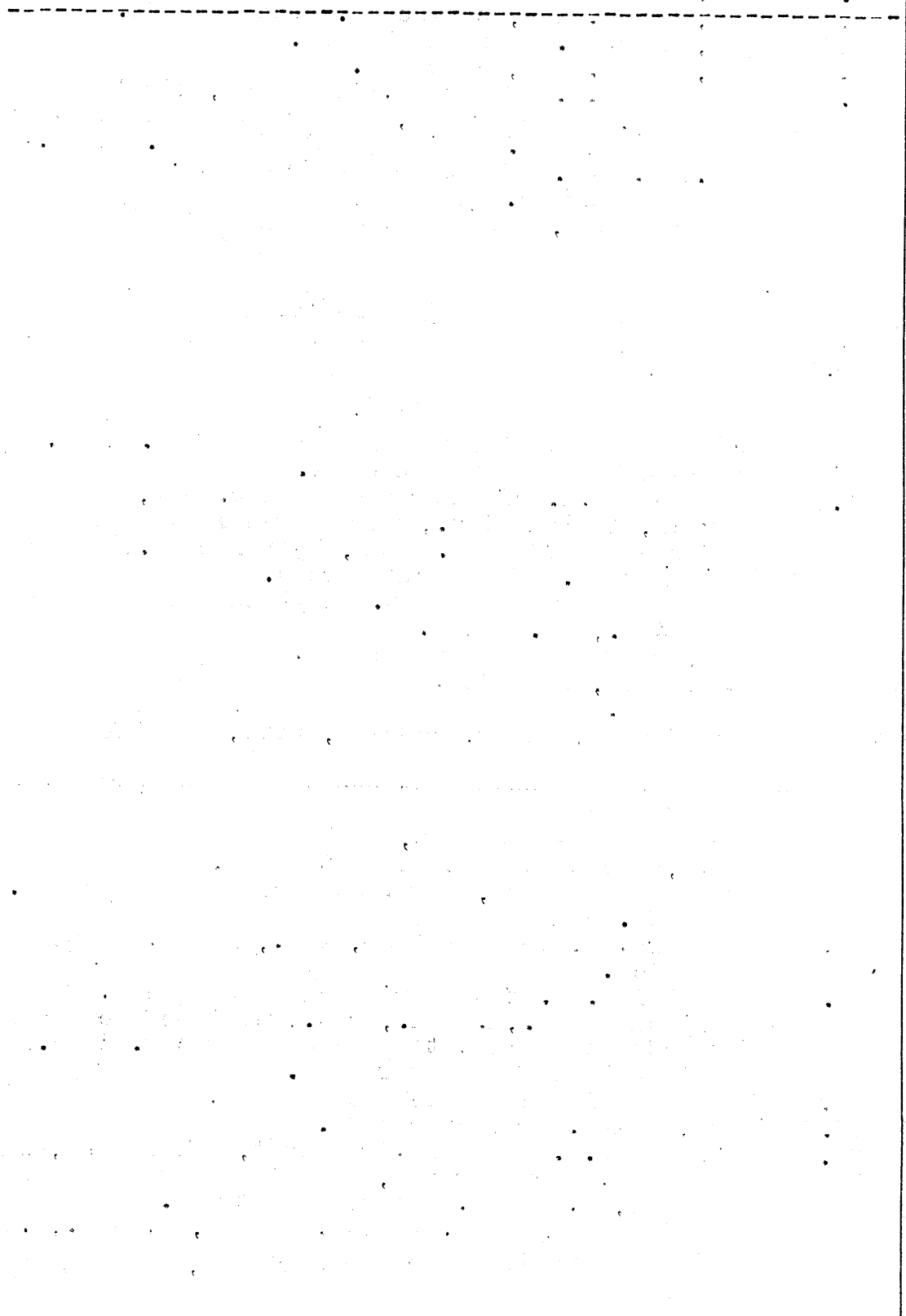
True course and dist. of 328th mile are therefore S.0°4'W.
80.14 chs., and the closing cprs. found thereon are
therefore in proper position on State Bdy.

Land, rolling and level.

Soil, rocky, 4th rate..

No timber.

Undergrowth, catclaw, cactus and ocotillo.



Survey of completion of North bdy. of fracl. T. 13 S., R. 32 E. 19

Chains.

The surveyed portion of the Township line, bet. fracl. T. 13 and 14 S., R. 32 E. consists of the mile between secs. 6 and 31, which was surveyed in 1914, by Wm. B. Kimmel, U.S.S. No retracement or resurvey of this part of said Tp. line is on record.

The remainder of the line is now surveyed as described in the following notes:

The original cor. of secs. 5, 6, 31 and 32, fracl. T. 13 and 14 S., R. 32 E. is an iron post, 3 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, W. of cor. No bearing trees.

Thence, East, on a true line, bet. secs. 5 and 32. Over rolling land, thru. scattering undergrowth. Descend 10 ft.

- 7.70 Wash, 30 lks. wide, course NW. Ascend 25 ft.
- 10.00 Descend.
- 13.80 Wash, course SW.; ascend 50 ft.
- 20.00 Descend.
- 21.00 Same wash, 10 lks. wide, course NW. Thence along S. slope.
- 29.50 Draw, 3 lks. wide, course SW. Ascend 95 ft.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, deposit marked (x) stone, and raise a mound of stone around post, for 1/4 sec. cor. of secs. 5 and 32, marked on brass cap,

1/4	S 32
	—
	S 5
	1919

- 64.50 Spur, slopes S. Descend 25 ft.
- 68.60 Wash, course S. Ascend 165 ft.
- 74.00 Spur, slopes SW. Thence along S. slope.
- 78.00 Spur, slopes S.
- 79.48 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground, deposit marked (x) stone; and raise a mound of stone around post, for witness cor. to cor. of secs. 4, 5, 32 and 33, with brass cap, marked

	T12S	R32E
	S32	S33
WC	—	—
	S 5	S 4
	T13S	
	1919	

from which,

A cedar, 5 ins. in diam., brs. S. 16 1/2° W., 284 lks. dist., mark "WC T13S R32E S5 BT."

- 80.00 True point for cor. of secs. 4, 5, 32 and 33 falls on top of small cliff, where monument cannot be established. Land, rolling and mountainous. Soil, rocky and 4th rate. No timber. Undergrowth, cedar, catclaw, mesquite and Spanish dagger.

From true point for cor., East, on a true line, bet. secs. 4 and 33. Over rolling and mountainous land, thru. scattering undergrowth.

- 2.50 Descend 10 ft.
- 4.00 Gulch, course S.; ascend.
- 8.20 Descend.
- 11.60 Gulch, course SW. Ascend 85 ft.
- 21.60 Ridge, brs. N. and S. Descend 40 ft., over NE. slope.
- 26.30 Draw, course NE. Thence along N. slope. Descend 40 ft.

Survey of Completion of
North boundary of frac1. Township 13 South, Range 32 East.

20

Chains.
35.00 Ascend.
39.00 Spur, slopes SE.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor. of secs. 4 and 33, marked on brass cap,

$\frac{1}{4}$ S 33
 $\frac{1}{4}$ S 4
 1919

from which,

A cedar, 8 ins. in diam., brs. N. 27° W., 26 lks. dist., mark " $\frac{1}{4}$ S 33 BT."

A cedar limb, 8 ins. in diam., brs. S. 6 $\frac{1}{2}$ ° E., 112 lks. dist.; mark " $\frac{1}{4}$ S 4 BT."

Descend 40 ft.

44.00 Wash, 30 lks. wide, course SE. Ascend 25 ft., over W. slope.

64.80 Ascend 50 ft.

74.80 Low spur, slopes SE. Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground, with marked (x) stone, and raise a mound of stone around post, for cor. of secs. 3, 4, 33 and 34, with brass cap, marked

T12S	R32E
S33	S34
S 4	S 3
T13S	
1919	

Land, rolling and mountainous.
Soil, sandy and rocky, 3rd and 4th rate.
No timber.
Undergrowth, cedar, catclaw and yucca.

East, on a true line, bet. secs. 3 and 34.
Over rolling land, thru. scattering undergrowth.
Descend,

0.50 Draw, course S. Ascend 40 ft.
6.50 Spur, slopes SE. Descend 25 ft.
14.30 Wash, course SE. Thence over rolling land.
29.10 Wash, course 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,

$\frac{1}{4}$ S 34
 $\frac{1}{4}$ S 3
 1919

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

48.80 Wash, course SE.
74.80 Road brs. NE. to A. E. Lyall's house and SW. to San Simon.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, marked on brass cap,

T12S	R32E
S34	S35
S 3	S 2
T13S	
1919	

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

Land, rolling.
Soil, sandy, 3rd rate.
No timber.
Undergrowth, cedar, catclaw and yucca.

Completion of North bdy. of fracl. Township 13 South, Range 32 E. 21

Chains.

11.50 East, on a true line, bet. secs. 2 and 35.
 Over rolling land, thru. scattering undergrowth.
 Road, brs. NE. to Silver City, N.M. and SW. to San Simon,
 Arizona.

18.70 Wash, course NE.

26.80 Wash, 4 lks. wide, 4 ft. deep, course N. Ascend 40 ft.

35.00 Descend 25 ft.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 18 ins. in the
 ground, deposit marked (x) stone, and raise a mound of
 stone around post for $\frac{1}{4}$ sec. cor., with brass cap, marked,

$\frac{1}{4}$ S 35
 S .2
 1919

41:79 Intersect the Arizona-New Mexico Boundary, 9.61 chs. S. 0°
 18' W., of the 321 mile mon.; hereinbefore described.
 At the point of intersection, set an iron post, 3 ft. long,
 3 ins. in diam., 24 ins. in the ground, for closing cor.
 of fracl. Ts. 12 and 13 S., R. 32 E., marked on brass
 cap,

	T12S	
	R32E	
CC	S35	NEW
	S 2	MEX.
	T13S	

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
 W. of cor.
 Land, rolling.
 Soil, sandy, 3rd rate.
 No timber.
 Undergrowth, catclaw, mesquite.

Boundaries of Fracl. Township 13 South, Range 32 East.

Latitudes, Departures, and Closing Errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South Boundary,	N. 89° 54' W.	33.66	.06			33.66
	S. 89° 18' W.	81.18		.99		81.18
	S. 89° 45' W.	40.09		.17		40.09
	S. 89° 16' W.	41.04		.52		41.04
	S. 89° 13' W.	41.16		.56		41.16
	S. 88° 52' W.	39.97		.79		39.96
	S. 89° 04' W.	40.38		.66		40.38
	S. 89° 49' W.	40.14		.13		40.14
West Boundary,	N. 0° 13' W.	324.00	324.00			1.20
	N. 0° 13' E.	79.96	79.96		.30	
	N. 0° 06' W.	42.04	42.04			.07
	N. 1° 37' W.	39.92	39.90			1.13
North Boundary	East,	361.79			361.79	
East Boundary, (Arizona-New Mexico Line)	S. 0° 18' W.	70.91		70.91		.37
	S. 0° 11' W.	79.55		79.55		.25
	S. 0° 18' W.	80.31		80.31		.43
	S. 0° 19' W.	80.46		80.46		.44
	S. 0° 7' E.	79.92		79.92	.16	
	S. 0° 24' W.	81.05		81.05		.56
Convergency,					.35	
Totals.			485.96	485.55	362.60	362.07
			485.55		362.07	
Error in latitude.			.41			
Error in departure.					.53	

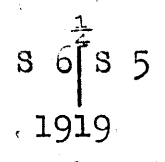
Survey of Subdivision of frac. Township 13 South, Range 32 East. 23

Chains.

From original cor. of secs. 5, 6, 31 and 32, on the N. bdy. of Tp., hereinbefore described, South, on Sectional Guide Meridian, bet. secs. 5 and 6. Over rolling and mountainous land, thru. scattering undergrowth.

- 9.82 Ascend 105 ft.
- 24.69 Spur, slopes SW. Descend 135 ft.
- 40.00 Gulch, course NW. Ascend 125 ft.
- Saddle in spur, slopes E.

Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, with marked stone, for 1/4 sec. cor., and raise a mound of stone around post, with brass cap, marked

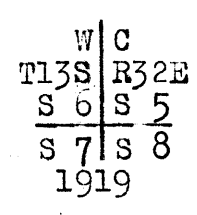


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

- 45.00 Continue descent.
- 49.00 Draw, course E. Ascend 40 ft.
- 54.92 Spur, slopes SE. Road on spur, brs. NW and SE. to San Simon; descend 30 ft.
- 79.80 Wash, course SE. Continue descent, 125 ft.
- 80.00 Wash, course W.

The true point for cor. of secs. 5, 6, 7 and 8 falls in wash; therefore, at 1.30 chs. south at

- 81.30 Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground, with marked stone, for witness cor. to cor. of secs. 5, 6, 7 and 8, and raise a mound of stone, around post, with brass cap, marked



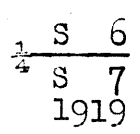
Land, rolling and mountainous. Soil, rocky, 4th rate. No timber, except very scattering pine. Undergrowth, cedar, mesquite and catclaw.

- 40.00 From the true point for cor. of secs. 5, 6, 7 and 8, West, on a random line, bet. secs. 6 and 7.
- 78.76 Set temp. 1/4 sec. cor. Fall 14 lks. S. of the reestablished cor. of secs. 6 and 7, on W. bdy. of Tp., hereinbefore described.

Thence, S. 89° 54' E., on a true line, bet. secs. 6 and 7. Over mountainous land, thru. scattering undergrowth. Descend.

- 6.31 Wash, course W. Ascend 435 ft., over SW. slope.
- 23.21 Spur, slopes SW. Descend 25 ft.
- 27.95 Draw, course SW. Ascend 115 ft., over SW. slope.
- 31.75 Spur, slopes SW. Descend 95 ft.

- 38.76 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, with marked stone, for 1/4 sec. cor., and raise a mound of stone around post, with brass cap, marked



- 42.55 Continue descent.
- 49.90 Gulch, course S. 20° W. Ascend 200 ft.
- 77.76 Spur, slopes S. Descend 445 ft.
- Wash, course SW.; ascend.

24 Subdivision of Fracl. Township 13 South, Range 32 East.

Chains.

78.76 The true point for cor. of secs. 5, 6, 7 and 8.
Land, mountainous.
Soil, rocky, 4th rate.
No timber..
Undergrowth, mesquite and catclaw.

From the true point for cor. of secs. 5, 6, 7 and 8,
South, on Sectional Guide Meridian, bet. secs. 7 and 8.
Over mountainous land, thru. scattering undergrowth.
Ascend.

1.30 The witness cor. to cor. of secs. 5, 6, 7 and 8. Ascend 70 ft.
7.50 Spur, slopes SW. Descend 35 ft., over SE. slope.
10.20 Draw, course SW. Ascend 165 ft., over NW. slope.
26.45 Spur, slopes SW. Descend 130 ft.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$$\begin{array}{c} \frac{1}{4} \\ \text{S } 7 \text{ | S } 8 \\ \hline 1919 \end{array}$$

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

Descend 65 ft.
51.30 Gulch, course SW. Ascend 35 ft.
55.00 Descend gradually.
56.00 Wash, course SW. Thence over gently rolling land.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in
the ground, with marked stone, for cor. of secs. 7, 8, 17
and 18; and raise a mound of stone around post, with
brass cap, marked

$$\begin{array}{c} \text{T13S | R32E} \\ \text{S } 7 \text{ | S } 8 \\ \hline \text{S18 | S17} \\ \hline 1919 \end{array}$$

Land, mountainous and gently rolling.
Soil, rocky and sandy, 4th rate.
No timber..
Undergrowth, sage brush, cactus and greasewood.

40.00 N. $89^{\circ}54'$ W., on a random line, bet. secs. 7 and 18.
Set temp. $\frac{1}{4}$ sec. cor.
79.24 Intersect the reestablished cor. of secs. 7 and 18, on W. bdy.
of Tp., hereinbefore described.
Thence,
S. $89^{\circ}54'$ E., on a true line, bet. secs. 7 and 18.
Over gently rolling land, thru. scattering undergrowth.

7.25 Wash, course S.
12.75 Road brs. NE. to Silver City, N.M., and SW. to San Simon, Ariz.
18.25 Wash, course SW.
39.24 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the
ground, with marked stone, for $\frac{1}{4}$ sec. cor., and raise a
mound of stone around post, with brass cap, marked

$$\begin{array}{c} \text{S } 7 \\ \hline \text{S } 18 \\ \hline 1919 \end{array}$$

44.25 Wash, course SW. Thence over rolling land; ascend 25 ft.
54.25 Descend 25 ft.
65.95 Wash, course SE. Ascend 25 ft.
69.25 Descend 25 ft.
72.45 Draw, course SW. Ascend 25 ft.
79.24 The cor. of secs. 7, 8, 17 and 18.
Land, rolling, and gently rolling.

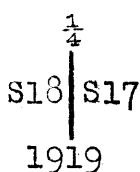
Subdivision of frac. Township 13 South, Range 32 East. 25

Chains.

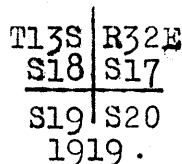
Soil, sandy, 4th rate.
No timber.
Undergrowth, greasewood, mesquite and cactus.

South, on Sectional Guide Meridian, bet. secs. 17 and 18.
Over gently rolling land, thru. scattering undergrowth.

- 5.00 Wash, course SW.
- 7.00 Draw, course W.
- 15.00 Wash, course W. Thence over rolling land; ascend 135 ft. over NW. slope;
- 26.79 Spur, slopes W. Descend 165 ft.
- 36.46 Wash, course SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground, with marked stone, for $\frac{1}{4}$ sec. cor., and raise a mound of stone around post, with brass cap, marked



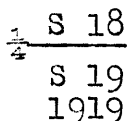
- 45.00 Ascend 30 ft.
- 48.50 Descend.
- 54.40 Wash, course E. Ascend 40 ft.
- 59.74 Spur, slopes E. Descend 155 ft.
- 80.00 Draw, course SW. Ascend 25 ft.
- Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked on brass cap,



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

Land, rolling and gently rolling.
Soil, sandy and rocky, 4th rate.
No timber.
Undergrowth, greasewood, cactus and mesquite.

- 40.00 N. $89^{\circ}54'$ W., on a random line, bet. secs. 18 and 19.
- 78.80 Set temp. $\frac{1}{4}$ sec. cor.
- Fall 6 lks. S. of the reestablished cor. of secs. 18 and 19, on the W. bdy. of Tp., hereinbefore described.
- Thence, S. $89^{\circ}51'$ E., on a true line, bet. secs. 18 and 19.
- Over rolling land, thru. scattering undergrowth.
- Descend.
- 4.80 Draw, course S. Ascend 80 ft.
- 13.90 Spur, slopes S. Descend 85 ft.
- 24.80 Wash, course S. Thence over gently rolling land.
- 34.80 Wash, course SW.
- 38.80 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground, with marked stone, for $\frac{1}{4}$ sec. cor., and raise a mound of stone around post, with brass cap, marked,



- 48.90 Thence over rolling land. Ascend 90 ft.
- 63.80 Spur, slopes S. Descend 90 ft.
- 69.30 Thence over gently rolling land.
- Wash, course SW.

26 Subdivision of frac1. Township 13 South, Range 32 East.

Chains.

78.80 The cor. of secs. 17, 18, 19 and 20.
Land, rolling and gently rolling.
Soil, sandy and rocky, 4th rate.
No timber.
Undergrowth, greasewood, mesquite and cactus.

South, on Sectional Guide Meridian, bet. secs. 19 and 20.
Over gently rolling land, thru. scattering undergrowth.

5.00 Wash, course W.
13.80 Road, brs. NE. to Mrs. Lyall's house, and SW. to San Simon.
22.50 Wash, course SW.
28.00 Wash, course SW.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S19 | S20
1919

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

45.00 Wash, course SW.
71.00 Wash, course SW.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in
the ground, for cor. of secs. 19, 20, 29 and 30, marked
on brass cap,

T13S | R32E
S19 | S20
S30 | S29
1919

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

Land, gently rolling.
Soil, sandy, 4th rate.
No timber.
Undergrowth, greasewood, mesquite and cactus.

40.00 N. $89^{\circ}51'W.$, on a random line, bet. secs. 19 and 30.
Set temp. $\frac{1}{4}$ sec. cor.

78.30 Fall 17 lks. N. of the reestablished cor. of secs. 19 and
30, on the W. bdy. of Tp., hereinbefore described.

Thence,

S. $89^{\circ}58'E.$, on a true line, bet. secs. 19 and 30.

Over gently rolling land, thru. scattering undergrowth.

4.30 Center of wash, 5 chs. wide, course SW.

14.30 Wash, course SW.

23.30 Wash, course SW.

29.30 Wash, course SW.

38.30 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 19
S 30
1919

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

44.30 Wash, course SW.

57.30 Wash, course SW.

70.30 Wash, course SW.

78.30 The cor. of secs. 19, 20, 29 and 30.

Land, gently rolling.

Soil, rocky, 4th rate.

No timber.

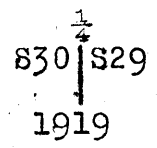
Undergrowth, greasewood, catclaw, mesquite and cactus.

Subdivision of frac. Township 13 South, Range 32 East.

Chains.

20.00 South, on Sectional Guide Meridian, bet. secs. 29 and 30,
Over gently rolling land, thru. scattering undergrowth/
Center of wash, 3 chs. wide, 6 ft. deep, course SW. Ascend
50 ft.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the
ground, with marked stone, for $\frac{1}{4}$ sec. cor., and raise a
mound of stone around post, with brass cap, marked

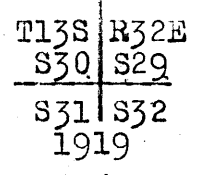


Descend gradually.

50.00 Wash, course W. Ascend.

60.00 Spur, slopes W. Descend 30 ft.

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



Land, gently rolling.
Soil, sandy, 4th rate.
No timber.
Undergrowth, greasewood, sagebrush, mesquite and catclaw.

40.00 N. 89° 58' W., on a random line, bet. secs. 30 and 31.
Set temp. $\frac{1}{4}$ sec. cor.

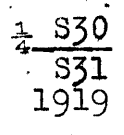
77.62 Fall 10 lks. N. of the reestablished cor. of secs. 30 and 31,
on the W. bdy. of the Tp., hereinbefore described.

Thence,
N. 89° 58' E., on a true line, bet. secs. 30 and 31.
Over gently rolling land, thru. scattering undergrowth.

2.60 Enter wash, course NW. from E.

12.60 Leave wash, course W., from NE.

37.62 Set an iron post, 3 ft. long, 1 in. in diam., 27 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.

38.60 Wash, course NW.

57.60 Road brs. NW. to San Simon and SE.

77.62 The cor. of secs. 29, 30, 31 and 32.
Land, gently rolling.
Soil, sandy, 4th rate.
No timber.
Undergrowth, greasewood, cactus, catclaw and mesquite.

South, on Sectional Guide Meridian, bet. secs. 31 and 32.
Over rolling land, thru. scattering undergrowth.
Descend 25 ft., over SW. slope.

22.00 Wash, course NW. Ascend 35 ft.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 24 ins. in
the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

28 Subdivision of Fracl. Township 13 South, Range 32 East.

Chains.

S31 | S32
1919

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Thence over gently rolling land.

49.00 Road, brs. E. and W.
 61.00 Road, brs. E. and W.
 62.00 Descend gradually, 25 ft.
 85.00 Intersect the S. bdy. of Tp., 3.09 chs. S. 89° 04' W. of the original cor. of secs. 5, 6, 31 and 32, but which now refers to secs. 5 and 6, T. 14 S., R. 32 E. only. At the point of intersection, establish the closing cor. of secs. 31 and 32, as hereinbefore described.

Land, rolling and gently rolling.
 Soil, sandy, 3rd rate.
 No timber.
 Undergrowth, greasewood, sage brush and cactus.

From the true point for cor. of secs. 4, 5, 32 and 33, on the N. bdy. of Tp., 0.52 chs. E. of the witness cor. to cor. of secs. 4, 5, 32 and 33, hereinbefore described, S. 0° 1' W., bet. secs. 4 and 5.

Over mountainous land, thru. scattering undergrowth.
 Descend 235 ft.

8.00 Gulch, course SW. Ascend 475 ft.
 26.50 Spur, slopes W. Descend 100 ft.
 32.10 Gulch, course SW. Continue descent 120 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap,

S 5 | S 4
1919

from which,
 A cedar, 6 ins. in diam., brs. N. 59 1/2° W., 110 lks. dist., mark "1/4 S 5 BT."

Continue descent 130 ft.

57.00 Wash, 20 lks. wide, course SW. Ascend 120 ft.
 67.20 Small gulch, course NW. A Continue ascent, 160 ft.
 77.62 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, in a mound of stone, for witness cor. to cor. of secs. 4, 5, 8 and 9, marked on brass cap,

W C
T13S | R32E
S 5 | S 4
S 8 | S 9
1919

from which,
 A scrub oak, 6 ins. in diam., brs. N. 31 1/4° E., 48 lks. dist., mark "WC T13S R32E S4 BT."
 A cedar, 8 ins. in diam., brs. S. 72 1/2° E., 50 lks. dist., mark "WC T13S R32E S9 BT."
 A scrub oak, 9 ins. in diam., brs. S. 57° W., 65 lks. dist., mark "WC T13S R32E S8 BT."
 A cedar, 12 ins. in diam., brs. N. 1 1/2° W., 147 lks. dist., mark "WC T13S R32E S5 BT."

80.00 The true point for cor. of secs. 4, 5, 8 and 9 falls on steep W. slope, where it cannot be permanently monumented in a workmanlike manner.

Land, mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, scrub oak, cedar and catclaw.

Chains.

From the true point for cor. of secs. 4, 5, 8 and 9,
West, on a random line, bet. secs. 5 and 8.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.38 Intersect N. and S. line, 9 lks. S. of the true point for
cor. of secs. 5, 6, 7 and 8, witnessed 130 lks. S., as
hereinbefore described.
From the true point for cor.,
S: 89° 55' E.; on a true line, bet. secs. 5 and 8.
Over mountainous land, thru. scattering undergrowth.
Ascend NW. slope.
8.00 Draw, course NW. Continue ascent 215 ft.
16.40 Spur, slopes SW., and top of cliff; descend 195 ft., over
cliffs.
24.65 Gulch, 15 lks. wide, course SE. Ascend 85 ft.
36.00 Spur, slopes S. Descend 60 ft.
40.19 True point for $\frac{1}{4}$ sec. cor. falls in wash, 20 lks. wide,
course SE.; ascend.
40.50 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in
the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked on
brass cap,

WC $\frac{1}{4}$ $\frac{S}{S}$ $\frac{5}{8}$
1919

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

Thence over rolling S. slope.
48.55 Wash, 10 lks. wide, course SW. Ascend 515 ft.
80.38 The true point for cor. of secs. 4, 5, 8 and 9.
Land, mountainous and rolling.
Soil, sandy and rocky, 4th rate.
No timber.
Undergrowth, cedar, scrub oak, catclaw, Spanish dagger and
cactus.

From the true point for cor. of secs. 4, 5, 8 and 9,
S. 0° 1' W., bet. secs. 8 and 9.
Over mountainous land, thru. scattering undergrowth.
Ascend 70 ft.
1.53 Point of rock, slopes W. Descend.
5.00 Head of gulch, course W. Ascend.
10.00 Point of rock, slopes W. Descend.
15.00 Ascend.
17.74 Spur, slopes W. Descend 70 ft.
24.00 Head of gulch, course SW. Ascend 280 ft.
31.66 Ridge, brs. NE. and SW. Descend 190 ft.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the
ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked
on brass cap,

S 8 $\frac{1}{4}$ S 9
1919

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

50.50 Gulch, course SE. Continue descent.
62.52 Gulch, course SE. Continue descent.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in
the ground, with marked stone, for cor. of secs. 8, 9,
16 and 17, and raise a mound of stone around post, with
brass cap, marked

T13S | R32E
S 8 | S 9
S17 | S16
1919

30 Subdivision of frac1. Township 13 South, Range East.

Chains.

Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, cedar, catclaw, mesquite and Spanish dagger.

40.00
80.30

N. 89° 56' W., on a random line, bet. secs. 8 and 17.
Set temp. $\frac{1}{4}$ sec. cor.
Intersect the cor. of secs. 7, 8, 17 and 18, hereinbefore described.

3.30
5.40
33.80
40.15

Thence,
S. 89° 56' E., on a true line, bet. secs. 8 and 17.
Over rolling land, thru. scattering undergrowth.
Wash, course S.
Wash, course SW.
Wash, course S.
Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in the ground, with marked stone, for $\frac{1}{4}$ sec. cor., and raise a mound of stone around post, marked on brass cap,

$\frac{1}{4}$ S 8
S 17
1919

41.30
45.70
53.30
58.30
67.30
80.30

Draw, course SW.
Wash, course SW.
Wash, course SW.
Draw, course SW. Leave rolling & enter mts. land. Asc. 145 ft.
Spur, slopes S. Descend 170 ft.
The cor. of secs. 8, 9, 16 and 17.
Land, rolling and mountainous.
Soil, sandy and rocky, 4th rate.
No timber.
Undergrowth, greasewood, mesquite, catclaw and cactus.

1.00
14.95
20.00
40.00
40.50
40.80

S. 0° 1' W., bet. secs. 16 and 17.
Over rolling and gently rolling land, thru. scattering undergrowth.

Head of wash, course SE.
Road brs. NE and SW. to San Simon.
Enter Doubtful Canyon Wash, course S. from NE.
The true point for $\frac{1}{4}$ sec. cor. falls in wash.
Leave Doubtful Canyon wash, course SW.
Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$.
W | C
S17 | S16
1919

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

45.00
60.00
67.30
80.00

Enter Doubtful Canyon wash, course S. from NW.
Leave Doubtful Canyon Wash, course SW.
Wash, course SW. Ascend NE. slope, 205 ft.
Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, with marked stone, and raise a mound of stone around post, with brass cap, marked

T13S | R32E
S17 | S16
S20 | S21
1919

from which,

Chains.

A cedar, 13 ins. in diam., brs. N. 82 $\frac{1}{2}$ ° W., 97 lks. dist.,
mark "T13S R32 E S17 BT:"
Land, rolling, gently rolling and mountainous.
Soil, sandy and rocky, 4th rate.
No timber.
Undergrowth, greasewood, catclaw and cactus.

40.00 N. 89° 56' W., on a random line, bet. secs. 17 and 20.
Set temp. $\frac{1}{4}$ sec. cor.
80.34 Intersect N. and S. line, 11 lks. N. of the cor. of secs. 17,
18, 19 and 20, hereinbefore described.
Thence,
N. 89° 59' E., on a true line, bet. secs. 17 and 20.
Over gently rolling land, thru. scattering undergrowth.
13.35 Wash, course SW.
25.35 Wash, course SW.
40.17 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the
ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 17
S 20
1919

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of
cor.
42.35 Road brs. NE. to Silver City and SW. to San Simon.
62.35 Doubtful Canyon Wash, course SW. Ascend 200 ft., over NW.
slope.
80.34 The cor. of secs. 16, 17, 20 and 21.
Land, gently rolling and mountainous.
Soil, sandy and rocky, 4th rate.
No timber.
Undergrowth, greasewood, mesquite, catclaw and cactus.

S. 0° 1' W., bet. secs. 20 and 21.
Over mountainous land, thru. scattering undergrowth.
Ascend 300 ft., on spur, slopes N.
19.43 Ridge, brs. E and W.; descend.
25.00 Ascend 130 ft.
27.00 Spur, slopes W. Descend 160 ft.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with marked stone; and
raise a mound of stone around post, with brass cap,
marked

$\frac{1}{4}$
S20 | S21
1919

Ascend 110 ft.
47.00 Spur, slopes SW. Descend 130 ft.
54.76 Draw, course SW. Thence over gently rolling land.
69.65 Wash, course SE.
74.65 Wash, course NE. Ascend 30 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in
the ground, with marked stone, for cor. of secs. 20, 21,
28 and 29, and raise a mound of stone around post,
with brass cap, marked

T13S | R32E
S20 | S21
S29 | S28
1919

Land, mountainous and gently rolling.
Soil, rocky, 4th rate.
No timber.
Undergrowth, greasewood, cactus and sage brush.

32. Subdivision of fracl. Township Township 13 South, Range 32 East.

Chains.

S. 89°59'W., on a random line, bet. secs. 20 and 29.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.32 Intersect N. and S. line, 10 lks. N. of the cor. of secs. 19,
 20, 29 and 30, hereinbefore described.
 Thence,
 N. 89°55'E., on a true line, bet. secs. 20 and 29.
 10.20 Over gently rolling land, thru. scattering undergrowth.
 Road, brs. N. and S.
 25.30 Leave gently rolling land; ascend 110 ft., over mountain-
 ous land.
 40.16 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in
 the ground, with marked stone, for $\frac{1}{4}$ sec. cor., and raise
 a mound of stone around post, with brass cap, marked

$\frac{1}{4}$ S 20
 S 29
 1919

Ascend 335 ft.
 61.28 Ridge, brs. N. and S. Descend 335 ft.
 80.32 The cor. of secs. 20, 21, 28 and 29.
 Land, gently rolling and mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, greasewood, sagebrush and cactus.

S. 0° 1'W., bet. secs. 28 and 29.
 Over mountainous land, thru. scattering undergrowth.
 Descend 25 ft.
 5.00 Draw, course NE. Ascend 220 ft.
 19.59 Spur, slopes E. Descend 275 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the
 ground, with marked stone, for $\frac{1}{4}$ sec. cor., and raise a
 mound of stone around post, with brass cap, marked

$\frac{1}{4}$
 S29 | S28
 1919

Continue descent.
 41.00 Draw, course NE.
 46.00 Wash, course NE.
 54.91 Wash, course E. Ascend NE. slope, 210 ft.
 74.76 Ridge, brs. NE. and SW. Descend.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in
 the ground, with marked stone, for cor. of secs. 28, 29,
 32 and 33, and raise a mound of stone around post,
 with brass cap, marked

T13S | R32E
 S29 | S28
 S32 | S33
 1919

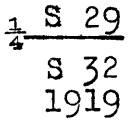
Land, mountainous and rolling.
 Soil, sandy and rocky, 4th rate.
 No timber.
 Undergrowth, greasewood, cedar, sagebrush and
 cactus.

Subdivision of fract. Township 13 South, Range 32 East. 33

Chains

40.00 S.89° 55'W., on a random line, bet. secs.29 and 32.
Set temp. 1/4 sec.cor.
80/30 Intersect N. and S. line, 21 lks.S. of the cor.of secs.
29, 30, 31 and 32, hereinbefore described.

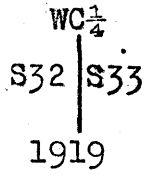
Thence,
S.89° 56'E., on a true line, bet. secs.29 and 32.
Over mountainous land, thru. scattering undergrowth.
Ascend 325 ft.
35.70 Ridge, brs.N and S. Descend 130 ft.
40.15 Set an iron post, 3 ft.long, 1 in. in diam., 14 ins.in
the ground, with marked stone, for 1/4 sec.cor., and raise
a mound of stone around post, with brass cap, marked



40.30 Draw, course SE. Ascend 65 ft.
45.86 Spur, slopes S. Descend 125 ft.
65.70 Draw, course S. Ascend 185 ft.
80.30 The cor.of secs.28,29, 32 and 33.

Land, mountainous.
Soil, sandy and rocky, 4th rate.
No timber.
Undergrowth, sagebrush, greasewood, cactus and catclaw.

40.00 S.0°1'W., on a random line, bet. secs. 32 and 33.
Set temp. 1/4 sec.cor.
83.50 Fall 10 lks.E. of the reestablished cor.of secs.32 and
33, on the S. bdy.of Tp., hereinbefore described/
Thence,
N.0°5'E., on a true line, bet. secs.32 and 33.
Over gently rolling land, thru. scattering undergrowth.
3.65 Draw, course NE.
41.50 Wash, course SW.
42.50 Set an iron post, 3 ft.long. 1 in. in diam., 27 ins. in
the ground, for witness cor.to 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.
43.50 The true point for cor.falls in wash, where monument would
be destroyed if set.

44.50 Center of wash, 2 chs.wide, 2 ft.deep, course W.
59.50 Draw, course SE. Ascend 250 ft.
69.50 Spur, slopes SW. Continue ascent.
83.50 The cor.of secs.28,29, 32 and 33.

Land, gently rolling and mountainous.
Soil, sandy and rocky, 4th rate.
No timber.
Undergrowth, greasewood, cactus and sagebrush.

From the cor.of secs.3,4,33 and 34, on the N.bdy.of the Tp.,
hereinbefore described,

34 Subdivision of Fracl. Township 13 South, Range 32 East.

Chains.

10.50 S.0°1'W., bet.secs.3 and 4.
Over rolling land, thru. scattering undergrowth.
Road brs.E. to Silver City,N.M., and west.to San Simon,
Arizona.

15.00 Wash,.course E. Descend 85 ft.

28.00 Gulch, course SE. Thence along E.slope.

30.10 Same gulch, course SW.

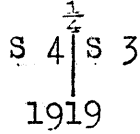
34.80 Same gulch, course SE. Ascend.

35.90 Spur,slopes E. Descend 35 ft.

38.85 Same gulch, course SW. Ascend.

39.35 End of spur, slopes W. Descend.

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



from which,
A cedar limb, 8 ins. in diam., brs.N.38°E.,82
lks.dist.,mark " $\frac{1}{4}$ S3 BT."

A cedar,12 ins.in diam.,brs.N.73 $\frac{1}{2}$ °W.,93 lks.
dist., mark " $\frac{1}{4}$ S4 BT."

40.10 Same gulch, course SE.

40.78 Same gulch, course SW. Ascend NW.slope,40 ft.

43.50 Spur,slopes W. Continue along W.slope.

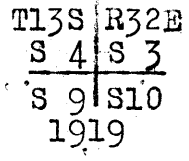
49.10 Spur,slopes SW.; descend.

56.70 Wash,20 lks.wide, course SW. Thence over gently rolling
land.

59.60 Wash,course W.

61.50 Wash,course SW.

80.00 Set an iron post, 3 ft.long, 2 ins. in diam.,24 ins. in
the ground, for cor.of secs.3,4, 9 and 10, marked on
brass cap,



from which,
A cedar, 8 ins. in diam.,brs.N.18°E.,286 lks.
dist.,mark "T13S R32E S3 BT."

A cedar limb,7 ins.in diam.,brs.S.51°E.,93 lks.
dist.,mark "T13S R32E S10 BT."

A cedar,12 ins.in diam.,brs.S.24°W., 160 lks.
dist.,mark "T13S R32E S9 BT."

A cedar,5 ins.in diam.,brs.N.44°W.,377 lks.
dist., mark "T13S R32E S4 BT."

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

West, on a random line, bet.secs.4 and 9.

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

79.95 Intersect true point for cor.of secs.4,5,8 and 9,wit-
nessed 2.38 chs.N.0°1'E., as hereinbefore described.
Thence from true point,
East,on a true line,bet.secs.4 and 9.
Over mountainous land,thru.scattering undergrowth.Asc.260ft.

8.53 Top of cliff,brs.N.and S. Descend 490 ft.

24.20 Top of cliff,brs. N.and S. Descend 65 ft.

25.95 Wash,20 lks.wide,course SW. Ascend 90 ft.

32.50 Spur,slopes SE. Descend 165 ft.

34.48 From this point,Mrs.Kate Lyall's windmill,brs.S.66 $\frac{1}{2}$ °E.
House brs. S.58° E.

Subdivision of Fractional T.13 S., R.32E.

Chains.
39.97 1/2

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap

1/4 S 4
S 9
1919

From which

A cedar, 6 ins. diam., brs. N. 63° W., 222 lks. dist., mark "S4 BT."

A cedar, 18 ins. diam., brs. S. 20° E., 76 lks. dist., mark "S9 BT."

Desc. 130 ft.

46.05 Wash, 20 lks. wide, course S.

55.05 Wash, course SE. Asc. 20 ft.

55.20 From this point, Mrs. Kate Lyall's house brs. S. 15 chs. dist. Desc. 25 ft.

62.05 Fence, brs. NE. and SW.

62.90 Wash, 20 lks. wide, course SE.

63.60 Wash, course S. Asc. 20 ft.

69.00 Spur, slopes SW. Desc. 55 ft.

79.95 The cor. of secs. 3, 4, 9 and 10.

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, cedar, cat claw, mesquite and Spanish dagger.

S. 0° 1' W., bet. secs. 9 and 10.

Over mountainous land, through scattering undergrowth.

Desc.

2.60 Draw, course SW.

7.00 Draw, course SW. Asc. 325 ft.

32.35 Desc.

39.70 Wash, course NW. Asc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, with marked stone, for 1/4 sec. cor; and raise a mound of stone around post, with brass cap marked

1/4 S 9 | S 10
1919

Continue ascent, 80 ft.

45.00 Ridge, brs. NE. and SW. Desc. 280 ft.

58.50 Canyon, course SW. Asc. 225 ft.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, with marked stone, for cor. of secs. 9, 10, 15 and 16; and raise a mound of stone around post, with brass cap marked

T13S R32E
S 9 | S 10
S 16 | S 15
1919

Land, mountainous.

Soil, rocky, 4th rate.

No timber.

Undergrowth, cedar, cat claw.

40.00 West on a random line, bet. secs. 9 and 16.

80.04 Set temp. 1/4 sec. cor.

Intersect N. and S. line, 18 lks. S. of the cor. of secs.

Chains.

	8, 9, 16 and 17, hereinbefore described. Thence S.89°52'E., on a true line, bet. secs. 9 and 16., Over rolling land, through scattering undergrowth. Doubtful Canyon, course S. Road, brs. N. to Silver City, N.M., and S. to San Simon, Ariz. Wash, course S. Road, brs. N. to Silver City, N.M. and S. to Steins, N.M. Wash, course SW. Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, with marked stone, for $\frac{1}{4}$ sec. cor.; and raise a mound of stone around post, with brass cap marked.
6.05	
9.00	
13.00	
23.00	
31.55	
40.02	
	$\begin{array}{r} \frac{1}{4} \text{ S } 9 \\ \hline \text{S16} \\ 1919 \end{array}$
43.40	Wash, course SW.
53.05	Wash, course SW. Asc. 50 ft.
63.00	Wash, course SW. Asc. 365 ft.
80.04	The cor. of secs. 9, 10, 15 and 16. Land, rolling. Soil, sandy and rocky; 4th rate. No timber. Undergrowth, cedar, greasewood, mesquite and cactus.
	S.0°1'W., bet. secs. 15 and 16. Over mountainous land, through scattering undergrowth. Asc. 15 ft. Spur, slopes SW. Desc. 550 ft. Head of draw, course SW. Continue gradual descent. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
0.37	
17.00	
40.00	
	$\begin{array}{r} \frac{1}{4} \\ \text{S16} \mid \text{S15} \\ \hline 1919 \end{array}$
	And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, with marked stone, for cor. of secs. 15, 16, 21 and 22; and raise a mound of stone around post, with brass cap marked
	$\begin{array}{r} \text{T13S R32E} \\ \text{S16} \mid \text{S15} \\ \hline \text{S21} \mid \text{S22} \\ 1919 \end{array}$
	Land, rolling and mountainous. Soil, sandy and rocky; 4th rate. No timber. Undergrowth, greasewood, sagebrush, mesquite and cactus.
40.00	N.89°52'W., on a random line, bet. secs. 16 and 21. Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line, 20 lks. N. of the cor. of secs. 16, 17, 20 and 21, hereinbefore described. Thence N.89°59'E., on a true line, bet. secs. 16 and 21. Over mountainous land, through scattering undergrowth. Desc. 195 ft., over NE. slope.
8.00	Wash, course N. Thence over rolling land.
28.90	Head of draw, course NE. Asc. 50 ft.

3479

Subdivision of Fractional T.13S., R.32 E. 37

Chains.
40.02 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S16
 $\frac{1}{4}$ S21
 1919

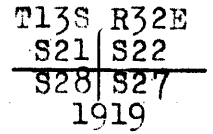
And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Continue ascent.

60.00 Spur, slopes NE. Desc. 35 ft.
61.50 Draw, course S. Asc. 25 ft.
69.50 Road, brs. NW. to Silver City, N.M., and SE. to Steins, N.M.
80.04 The cor. of secs. 15, 16, 21 and 22.
Land, mountainous and rolling.
Soil, rocky and sandy; 4th rate.
No timber.
Undergrowth, greasewood, sagebrush and cedar.

1.00 S.0°1'W., bet. secs. 21 and 22.
Over gently rolling land, through scattering undergrowth.
Road, brs. E. and W.
15.00 Wash, course SW.
30.00 Wash, course SW.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, with marked stone, for $\frac{1}{4}$ sec. cor; and raise a mound of stone around post, with brass cap marked



54.18 Asc. 335 ft., over cliffs.
Saddle in ridge, brs. E. and W. Desc. 140 ft.
65.22 Canyon, course SW. Continue descent, 170 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, marked on brass cap



And raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Land, gently rolling and mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, greasewood, cactus and mesquite.

40.00 S.89°59'W., on a random line, bet. secs. 21 and 28.
Set temp. $\frac{1}{4}$ sec. cor.
80.20 Intersect N. and S. line, 19 lks. S. of the cor. of secs. 20, 21, 28 and 29, hereinbefore described.
Thence
S.89°53'E., on a true line, bet. secs. 21 and 28.
Over rolling land, through scattering undergrowth.
Desc. 35 ft.
5.20 Enter wash, course E., from NW.

38

Subdivision of Fractional T.23S., R.32 E.

Chains.	Continue descent, 80 ft.
20.00	Leave wash, course SE. Asc.
25.25	Spur, slopes SE. Desc. 65 ft.
35.20	Draw, course S. Thence over gently rolling land.
40.10	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, with marked stone, for $\frac{1}{4}$ sec. cor.; and raise a mound of stone around post, with brass cap marked
	$\begin{array}{r} \frac{1}{4} S21 \\ \frac{1}{4} S28 \\ 1919 \end{array}$
40.70	Wash, course SW.
50.20	Wash, course SW. Asc. very gradually.
65.20	Spur, slopes SW. Desc. very gradually.
80.20	The cor. of secs. 21, 22, 27 and 28. Land, rolling and gently rolling. Soil, sandy and rocky; 4th rate. No timber. Undergrowth, greasewood, mesquite cactus and sagebrush.
	S.0°1'W., bet. secs. 27 and 28. Over gently rolling land, through scattering undergrowth.
14.98	Wash, course SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, with marked stone, for $\frac{1}{4}$ sec. cor.; and raise a mound of stone around post, with brass cap marked
	$\begin{array}{r} \frac{1}{4} \\ S28 \uparrow S27 \\ 1919 \end{array}$
60.00	Wash, course SW. Asc. 90 ft.
69.90	Draw, course NW. Continue ascent.
76.90	Saddle in ridge, brs. NW. and SE. Desc.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, with marked stone, for cor. of secs. 27, 28, 33 and 34; and raise a mound of stone around post, with brass cap marked
	$\begin{array}{r} T13S R32E \\ S28 \uparrow S27 \\ S33 \uparrow S34 \\ 1919 \end{array}$
	Land, rolling and gently rolling. Soil, sandy and rocky; 4th rate. No timber. Undergrowth, greasewood, cactus, sagebrush and cat claw.
40.00	N.89°53'W., on a random line, bet. secs. 28 and 33. Set temp. $\frac{1}{4}$ sec. cor.
80.30	Intersect N. and S. line, 11 lks. N. of the cor. of secs. 28, 29, 32 and 33, hereinbefore described. Thence S.89°58'E., on a true line, bet. secs. 28 and 33. Over rolling hills, through scattering undergrowth. Desc. 190 ft.
15.30	Wash, course S.
18.30	Road, brs. N. to Silver City and S. to Thence over gently rolling land.
35.30	Wash, course SW.
40.15	True point for $\frac{1}{4}$ sec. cor. falls in wash, course SW.
42.30	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked on brass

Subdivision of Fractional T. 13 S., R. 32 E. 39

Chains.

cap

WC¹/₂ S28
S33
1919

80.30 And raise a mound of stone, 2 ft. base, 1½ ft. high.
N. of cor.
The cor. of secs. 27, 28, 33 and 34.
Land, rolling hills and gently rolling.
Soil, sandy and rocky; 4th rate.
No timber.
Undergrowth, greasewood, sagebrush and cactus.

40.00 S.0°5'W., on a random line, bet. secs. 33 and 34.
Set temp. ¼ sec. cor.
82.54 Fall 5 lks. E. of the reestablished cor. of secs. 33 and
34, on the S. bdy. of Tp., hereinbefore described.
Thence
N.0°7'E., on a true line, bet. secs. 33 and 34.
Over gently rolling land, through scattering undergrowth.
28.55 Old road, brs. E. and W.
35.55 Wash, course SW.
42.54 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the
ground, with marked stone, for ¼ sec. cor.; and raise
a mound of stone, around post, with brass cap marked

S33 | S34
1919

46.55 Old road, brs. NW. and SE.
82.54 The cor. of secs. 27, 28, 33 and 34.
Land, gently rolling.
Soil, sandy, 4th rate.
No timber.
Undergrowth, greasewood, sagebrush and cactus.

4.00 From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of
Tp., which is an iron post, hereinbefore described,
39.10 S.0°2'W., bet. secs. 2 and 3.
Over gently rolling land, through scattering undergrowth.
Road, brs. E. to Silver City, N.M. and W. to San Simon, Ariz.
40.00 Wash, course SW.
Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the
ground, with marked stone, for ¼ sec. cor.; and raise
a mound of stone, around post, with brass cap marked

S 3 | S 2
1919

40.50 Wash, course W.
44.00 Road, brs. NE. to Silver City, N.M. and SW. to windmill.
49.00 Draw, course SW. Asc. gradually.
62.00 Spur, slopes W. Desc. gradually.
64.50 Windmill brs. W. 5 chs. dist.
65.00 Wash, course SE. Asc. 75 ft.
79.50 Spur, slopes SE. Desc. 20 ft.
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the
ground, with marked stone, for cor. of secs. 2, 3, 10
and 11; and raise a mound of stone around post, with
brass cap marked

Chains.

T13S R32E	
S 3	S 2
<hr/>	
S10	S11
1919	

Land, gently rolling.
 Soil, sandy and rocky, 3rd rate.
 No timber.
 Undergrowth, cactus. Good grass.

40.00 West on a random line, bet. secs. 3 and 10.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect N. and S. line, 8 lks. N. of the cor. of secs.
 3, 4, 9 and 10, hereinbefore described.
 Thence
 N.89°57'E., on a true line, bet. secs. 3 and 10.
 Over mountainous land, through scattering undergrowth.
 Desc.
 5.25 Draw, course SW. Asc. 195 ft.
 20.05 Spur, slopes NE. Desc.
 25.90 Head of draw, course NW. Asc. 235 ft.
 33.00 Ridge, brs. N. and S. Desc. 90 ft.
 40.02 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground, with marked stone, for $\frac{1}{4}$ sec. cor.; and raise
 a mound of stone around post, with brass cap marked

$\frac{1}{4}$ S 3
<hr/>
$\frac{1}{4}$ S10
1919

60.20 From this cor., windmill brs. N.65°24'E.
 Continue descent, 266 ft.
 75.05 Spur, slopes NE. Continue descent, 45 ft.
 80.04 Spur, slopes E. Continue descent, 75 ft.
 The cor. of secs. 2, 3, 10 and 11.
 Land, mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, greasewood, cedar and cactus.

4.90 East on a true line, bet. secs. 2 and 11.
 Over rolling land, through scattering undergrowth.
 Desc. 65 ft.
 9.00 Wash, course SE. Asc. 70 ft., over SW. slope.
 15.00 Gulch, course SW. Continue ascent.
 Desc. to
 18.60 Wash, course S. Asc. 130 ft
 25.60 Spur, slopes SW. Desc.
 31.10 Gulch, 20 lks. wide, course SW. Asc. 165 ft.
 39.00 Spur, slopes SW. Desc.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
 ground, with marked stone, for $\frac{1}{4}$ sec. cor.; and raise
 a mound of stone around post, with brass cap marked

$\frac{1}{4}$ S 2
<hr/>
$\frac{1}{4}$ S11
1919

41.48 Intersect the Arizona-New Mexico Boundary, 9.24 chs.
 S.0°11'W. of the 322nd mile mon., hereinbefore de-
 scribed.
 At the point of intersection,
 Set an iron post, 3 ft. long, 2 ins. diam., with marked

Survey of Subdivision of Fractional T.13 S., R.32 E. 41

Chains.

stone, for closing cor. of secs. 2 and 11; and raise a mound of stone around post, with brass cap marked

T13S	
S 2	NEW
CC S11	MEX
R32E	
1919	

Land, mountainous.
Soil, rocky, 4th rate.
No timber.
Undergrowth, greasewood, cat claw and cactus.

From cor. of secs. 2, 3, 10 and 11,
S.0°2'W., bet. secs. 10 and 11.
Over mountainous and rolling land, through scattering undergrowth.

- 5.10 Desc. 25 ft.
- 7.50 Draw, course SE. Asc. 35 ft.
- 11.00 Spur, slopes SE. Thence along E. slope.
- 15.15 Spur, slopes SE. Desc. 65 ft.
- 16.00 Gulch, 10 lks. wide, course SE. Asc. 15 ft.
- 19.20 Spur, slopes SE. Desc. 15 ft.
- 40.00 Wash, 30 lks. wide, course E. Asc. 290 ft.
- 40.00 Spur, slopes NE. Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

S10	$\frac{1}{4}$	S11
1919		

From which
A cedar, 6 ins. diam., brs. N.21 $\frac{1}{2}$ °E.,
266 lks. dist., mark " $\frac{1}{4}$ S11 BT"
A cedar, 10 ins. diam., brs. N.76 $\frac{1}{2}$ °W.,
411 lks. dist., mark " $\frac{1}{4}$ S10 BT"

- 48.75 Desc. 105 ft.
- 51.40 Wash, 10 lks. wide, course SE. Asc. 65 ft.
- 64.50 Spur, slopes SE. Desc. 140 ft.
- 80.00 Spur, slopes SE. Continue descent, 140 ft.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 5 ins. in the ground, in a mound of stone, for cor. of secs. 10, 11, 14 and 15, marked on brass cap

T13S	R32E
S10	S11
S15	S14
1919	

From which
A cedar, 9 ins. diam., brs. N.64°E.,
76 lks. dist., mark "T13S R32E S11 BT"
A cedar, 6 ins. diam., brs. S.19°E.,
87 lks. dist., mark "T13S R32E S14 BT"
A cedar, 10 ins. diam., brs. S.15°W.,
225 lks. dist., mark "T13S R32E S15 BT"
A cedar, 18 ins. diam., brs. N.62 $\frac{1}{2}$ °W.,
67 lks. dist., mark "T13S R32E S10 BT"

Land, mountainous and rolling.
Soil, rocky, 4th rate.
No timber.
Undergrowth, cedar, cat claw, ocotillo and cactus.

Chains.

40.00 S. 89° 57' W., on a random line, bet. secs. 10 and 15.
 Set temp. $\frac{1}{4}$ sec. cor
 79.90 Intersect N. and S. line, 19 lks. N. of the cor. of secs.
 9, 10, 15 and 16.
 Thence
 N. 89° 49' E., on a true line, bet. secs. 10 and 15.
 Over rolling and mountainous land, through scattering
 undergrowth.
 Asc. 30 ft.
 2.05 Rocky point, slopes S. Desc. 210 ft.
 12.90 Desc. 135 ft., over cliffs.
 35.60 Wash, course S. Thence over rolling land.
 39.95 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
 ground, with marked stone, for $\frac{1}{4}$ sec. cor.; and raise
 a mound of stone around post, with brass cap marked

$\frac{1}{4}$ S10
 $\frac{1}{4}$ S15
 1919

42.30 Gulch, course SW.
 46.70 Gulch, course SE. Asc.
 49.90 Desc. 35 ft
 68.50 Wash, course SE. Asc. to
 69.90 Desc. 50 ft.
 78.80 Draw, course SE. Asc.
 79.90 The cor. of secs. 10, 11, 14 and 15.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Undergrowth, cedar, cat claw, yucca and cactus.

East on a true line, bet. secs. 11 and 14.
 Over rolling land, through scattering timber and under-
 growth.
 7.50 Wash, course SE.
 17.50 Wash, course S. Asc. 25 ft.
 24.00 Spur, slopes SW. Desc. 35 ft.
 30.25 Wash, 20 lks. wide, course S. Asc. 25 ft.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$ S11
 $\frac{1}{4}$ S14
 1919

From which

A cedar limb, 6 ins. diam., brs. N. 54 $\frac{1}{2}$ ° W.,
 399 lks. dist., marked " $\frac{1}{4}$ S11 BT."
 A cedar limb, 5 ins. diam., brs. S. 82 $\frac{3}{4}$ ° W.,
 239 lks. dist., marked " $\frac{1}{4}$ S14 BT."

41.29 Intersect Arizona-New Mexico Boundary, 9.78 chs. S. 0° 18' W.
 of the 323 mile mon., hereinbefore described.
 At the point of intersection, set an iron post, 3 ft. long,
 2 ins. diam., 24 ins. in the ground, for closing cor.
 of secs. 11 and 14, marked on brass cap

T13S
 S11 NEW
 CC S14 MEX.
 R32E
 1919

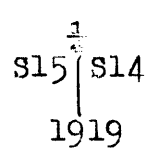
From which

A cedar, 4 ins. diam., brs. N. 15 $\frac{3}{4}$ ° W.,
 452 lks. dist., marked "CC T13S R32E S11 BT."
 No other trees within limits. Raise a mound of stone, 2
 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, rolling.

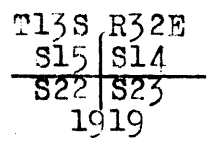
Subdivision of Fractional T.13 S., R.32 E. 43

Chains. Soil, rocky, 4th rate.
 No timber.
 Undergrowth, cedar and cactus.

From cor. of secs. 10, 11, 14 and 15,
 S. 0° 2' W., bet. secs. 14 and 15.
 Over gently rolling land, through scattering undergrowth.
 2.30 Draw, 10 lks. wide, course SE.
 25.00 Draw, course SE.
 29.70 Same draw, course SW.
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
 ground, in a mound of stone, for $\frac{1}{4}$ sec. cor.; marked
 on brass cap

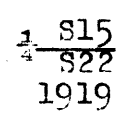


From which
 A cedar, 6 ins. diam., brs. S. 48 $\frac{1}{2}$ ° W.,
 284 lks. dist., mark " $\frac{1}{4}$ S15 BT."
 46.40 Wash, 20 lks. wide, course SW.
 66.20 Wash, 20 lks. wide, course SW.
 70.80 Windmill brs. W. 1 ch. dist.
 74.50 Draw, course SW.
 76.20 Wash, 20 lks. wide, course SW.
 80.00 Set an 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.
 Land, gently rolling.
 Soil, sandy and gravelly; 4th rate.
 No timber.
 Undergrowth, greasewood, cat claw, yucca and cactus.

S. 89° 49' W., on a random line, bet. secs. 15 and 22.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.01 Intersect N. and S. line, 7 lks. S. of the cor. of secs.
 15, 16, 21 and 22, hereinbefore described.
 Thence
 N. 89° 52' E., on a true line, bet. secs. 15 and 22.
 Over gently rolling land, through scattering undergrowth.
 0.32 Wash, 20 lks. wide, course SW.
 14.20 Road, brs. NE. and SW.
 17.30 Wash, 30 lks. wide, course SW.
 40.00 $\frac{1}{2}$ Set an iron post, 3 ft. long, 1 in. diam., 24 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.
 42.30 Wash, 10 lks. wide, course SW.
 70.00 Wash, 20 lks. wide, course SW.
 79.70 Dim road, brs. N. and S.
 80.01 The cor. of secs. 14, 15, 22 and 23.
 Land, gently rolling.

Subdivision of Fractional T.13 S., R.32 E.

Chains.

Soil, sandy and rocky; 4th rate.
No timber.
Undergrowth, greasewood.

19.10 East on a true line, bet. secs. 14 and 23.
40.00 Over gently rolling land, through scattering undergrowth.
Wash, 40 lks. wide, course SE.
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

$\frac{1}{4}$ S14
S23
1919

From which

A cedar, 8 ins. diam., brs. N.79 $\frac{1}{2}$ °W.,
414 lks. dist., mark " $\frac{1}{4}$ S14 BT."

A cedar, 16 ins. diam., brs. S.14 $\frac{1}{2}$ °W.,
95 lks. dist., mark " $\frac{1}{4}$ S23 BT."

40.91 Intersect Arizona-New Mexico line, 9.47 chs. S.0°19'W.
of the 324 mile mon., hereinbefore described.
At the point of intersection, set an iron post, 3 ft.
long, 2 ins. diam., 26 ins. in the ground, for closing
cor. of secs. 14 and 23, marked on brass cap

T13S |
S14 | NEW
CC S23 | MEX.
R32E |
1919

From which

A cedar, 9 ins. diam., brs. N.5 $\frac{1}{2}$ °W.,
333 lks. dist., mark "CC T13S R32E S14 BT."

A cedar, 10 ins. diam., brs. S.15 $\frac{1}{2}$ °W.,
304 lks. dist., mark "CC T13S R32E S23 BT."

Land, gently rolling.
Soil, sandy and gravelly, 4th rate.
No timber.
Undergrowth, scattering cedar, greasewood and cactus.

30.75 From cor. of secs. 14, 15, 22 and 23,
38.00 S.0°2'W., bet. secs. 22 and 23.
40.00 Over gently rolling land, through dense undergrowth.
Wash, 10 lks. wide, course SW.
Road, brs. NW. to San Simon and SE. to
Set an iron post, 3 ft long, 1 in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

$\frac{1}{4}$
S22 | S23
1919

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

63.00 Wash, 1 ch. wide, course SW.
74.60 Wash, 30 lks. wide, 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

T13S R32E
S22 | S23
S27 | S26
1919

Subdivision of Fractional T.13 S., R.32 E. 45

Chains.

And raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
W. of cor.
Land, gently rolling.
Soil, sandy and gravelly; 4th rate.
No timber.
Undergrowth, greasewood, cactus and cat claw.

40.00 S.89°52'W., on a random line, bet. secs. 22 and 27.
80.06 Set temp. 1/4 sec. cor.
Intersect N. and S. line, 30 lks. S. of the cor. of secs.
21, 22, 27 and 28, hereinbefore described.

Thence
28.30 S.89°55'E., on a true line, bet. secs. 22 and 27.
30.50 Over gently rolling land, through scattering undergrowth.
40.03 Wash, 20 lks. wide, course SE.
Wash, 50 lks. wide, course 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

1/4 S22
1/4 S27
1919

43.90 And raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
48.70 N. of cor.
Wash, 20 lks. wide, course S.
62.30 Wash, 15 lks. wide, course SW.
80.06 Wash, 1 ch. wide, course SW.
The cor. of secs. 22, 23, 26 and 27.
Land, gently rolling.
Soil, sandy and gravelly; 4th rate.
No timber.
Undergrowth, greasewood and ocotillo.

11.80 East on a true line bet. secs. 23 and 26.
31.80 Over rolling land, through dense undergrowth.
40.00 Wash, 15 lks. wide, course SW.
Wash, 25 lks. wide, course SW.
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
1/4 S26
1919

40.49 And raise a mound of stone, 2 ft. base, 1 1/2 ft. high,
N. of cor.
Intersect the Arizona-New Mexico Line, 8.89 chs. S.0°7'E.
of the 325 mile mon., hereinbefore described.
At the point of intersection, set an iron post, 3 ft. long,
2 ins. diam., 24 ins. in the ground, for closing cor.
of secs. 23 and 26, marked on brass cap

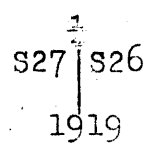
T13S
CC S23 NEW
S26 MEX.
R32E
1919

Land, rolling.
Soil; rocky, 4th rate.
No timber.
Undergrowth, greasewood, cactus and Spanish dagger.

46

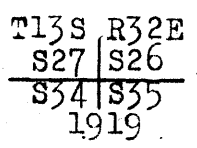
Subdivision of Fractional T13S., R.32 E.

Chains. From cor. of secs. 22, 23, 26 and 27,
 S. 0° 2' W., bet. secs. 26 and 27.
 Over gently rolling land, through scattering undergrowth.
 10.40 Wash, 10 lks. wide, course SW.
 12.80 Wash, 50 lks. wide, course W.
 26.70 Draw, 5 lks. wide, course W. Asc. gradually, 40 ft.
 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



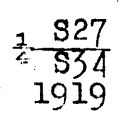
From which
 A cedar limb, 4 ins. diam., brs. S. 36° E.,
 375 lks. dist., marked "S26 BT."
 A cedar, 7 ins. diam., brs. N. 37 $\frac{1}{2}$ ° W.,
 357 lks. dist., marked "S27 BT."

Asc. 40 ft.
 45.00 Spur, slopes W. Desc
 48.10 Draw, 5 lks. wide, course NW. Asc. 210 ft.
 59.25 Spur, slopes NW. Desc. 230 ft.
 73.75 Wash, 10 lks. wide, course SW. Asc. 30 ft.
 79.00 End of spur, slopes W. Desc.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the
 ground, in a mound of stone, for cor. of secs. 26, 27,
 34 and 35, marked on brass cap



From which
 A cedar, 6 ins. diam., brs. S 88 $\frac{1}{4}$ ° W.,
 86 lks. dist., marked "T13S R32E S34 BT."
 Land, gently rolling and mountainous.
 Soil, gravelly and rocky; 4th rate.
 No timber.
 Undergrowth, greasewood, cedar, scrub oak and cactus.

40.00 N. 89° 55' W., on a random line, bet. secs. 27 and 34.
 Set temp. $\frac{1}{4}$ sec. cor.
 80.21 Intersect N. and S. line, 33 lks. N. of the cor. of secs.
 27, 28, 33 and 34, hereinbefore described.
 Thence
 N. 89° 51' E., on a true line, bet secs. 27 and 34.
 Over Mountainous land, through scattering undergrowth.
 Asc. SW. slope, 200 ft.
 9.20 Spur, slopes SE. Desc. 70 ft.
 15.60 Draw, course S. Asc. 55 ft.
 18.20 Spur, slopes SE. Desc. 170 ft.
 31.20 Wash, 20 lks. wide, course S. Thence over rolling land.
 40.10 $\frac{1}{2}$ 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.
 59.45 Wash, 10 lks. wide, course SW.
 68.80 Draw, 5 lks. wide, course S.
 76.50 Wash, 10 lks. wide, course SE. Asc. 20 ft.
 80.21 The cor. of secs. 26, 27, 34 and 35.
 Land, rolling and mountainous.
 Soil, sandy and rocky, 4th rate.

Subdivision of Fractional T.13 S., R.32 E. 47

Chains.

No timber.
Undergrowth, greasewood, ocotillo and cat claw.

East on a true line, bet. secs. 26 and 35.
Over mountainous land, through scattering undergrowth.
Asc. 375 ft.
14.60 Spur, slopes SW. Continue ascent.
21.20 Ridge, brs. NW. and SE. Desc. 310 ft.
31.00 Spur, slopes NE. Continue descent.
39.60 Wash, 20 lks. wide, course S. Thence over gently rolling land.
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

$\frac{1}{4}$ S26
 $\frac{1}{4}$ S35
1919

A cedar limb, 4 ins. diam., brs. N.55 $\frac{1}{2}$ °W.,
338 lks. dist., mark " $\frac{1}{4}$ S26 BT."
A cedar, 8 ins. diam., brs. S.10 $\frac{1}{2}$ °E.,
110 lks. dist., mark " $\frac{1}{4}$ S35 BT."
40.85 Intersect Arizona-New Mexico State Line, 9.01 chs.
S.0°24'W. of the 326 mile mon., hereinbefore described.
At the point of intersection, set an iron post, 3 ft.
long, 2 ins. diam., 26 ins. in the ground, for closing
cor. of secs. 26 and 35, marked on brass cap

T13S
S26 NEW
CC ——— MEX.
S35
R32E
1919

From which
A cedar, 8 ins. diam., brs. S.22 $\frac{1}{2}$ °W.,
88 lks. dist., mark "CC T13S R32E S35 BT."
No other trees within limits. Raise a mound of stone, 2
ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
Land, mountainous.
Soil, rocky, 4th rate
No timber.
Undergrowth, cedar, cat claw, and Spanish dagger.

From cor. of secs. 26, 27, 34 and 35,
S.0°7'W., on a random line, bet. secs. 34 and 35.
40.00 Set t&mp. $\frac{1}{4}$ sec. cor.
81.70 Fall 2 lks. W. of the reestablished cor. of secs. 34
and 35, on the S. bdy. of Tp., hereinbefore described.
Thence
N.0°6'E., on a true line, bet. secs. 34 and 35.
Over rolling and mountainous land, through scattering
undergrowth.
15.70 Prospect hole brs. E. 2 chs. dist.
16.70 Wash, 10 lks. wide, course SW.
20.50 Wash, 20 lks. wide, course SW.
24.10 Road, brs. E. and W. Asc. gradually, 40 ft.
41.70 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
ground, with marked stone, for $\frac{1}{4}$ sec. cor.; and raise
a mound of stone around post, with brass cap marked

$\frac{1}{4}$
S34 | S35
1919

Chains.

44.20 Head of small wash, course SE. Asc. 80 ft.
 50.90 Spur, slopes SW. Desc. 65 ft.
 64.70 Draw, 5 lks. wide, course SW. Asc. 20 ft.
 68.70 Spur, slopes SW. Desc. 30 ft.
 70.70 Wash, 5 lks. wide, course NW. Asc. 45 ft.
 81.70 The cor. of secs. 26, 27, 34 and 35.
 Land, rolling and mountainous.
 Soil, sandy and rocky; 4th rate.
 No timber.
 Undergrowth, greasewood and ocotillo.

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 divide of the Peloncillo Mountains crosses the township in the northern part, and numerous foot hills of the same range cut up the entire township, although most of the southern half is rolling land. The highest elevation is approximately 5700 feet above sea level.

The drainage is in general to the southwest;

The soil in the northern half is very thin and rocky. In the south, it is from one to two feet in depth, but full of sand and gravel.

There is scattering cedar timber, ranging up to 12 ins. in diameter in the northern half of the Tp. It is suitable only for fence posts and fuel.

There is a prospect hole, with indications of copper in sec. 35. Some claims said to contain nitrate bearing rock have been staked in secs. 5 and 8; but so far as known, no development work has been done.

The only water in the township is afforded by wells in secs. 3, 9 and 15.

There is one settler, located in sec. 9.

The township may be classed as fair grazing land. Some land in the southern part might be cultivated, if water for irrigation were available.

4-680

FIELD ASSISTANTS.

to Karl L. Siebecker, U. S. Transitman

NAMES.	CAPACITY.
See Page 51.	

50 BOOK 3479

CERTIFICATE OF UNITED STATES TRANSITMAN

I, Karl L. Siebecker, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 102, Arizona, bearing date of the 6th day of October, 1919, 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 and South boundaries, and surveyed all those parts or portions of the Subdivision lines of Fractional Township 13 South, Range 32 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 102, Arizona,

and in the specific manner described in the field notes, and that the foregoing are the original field notes of resurvey and such survey.

Place - Augusta, Mont. Date - Sept. 5th 1921

(Signed) Karl L. Siebecker U. S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

, 191

The foregoing field notes of the survey of

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

U. S. Surveyor General.

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

U. S. Surveyor General.

BOOK 3479

4-680

FIELD ASSISTANTS. to
Karl L. Siebecker, and
Guy R. Veal, U. S. Transitsmen

NAMES.	CAPACITY.
Raymond McCreary	1st Chairman, Veal,
Richard L. Tinker	" " Siebecker,
James Kordina	" " Veal,
Henry Zimmerman	2nd " Veal,
Raymond Tielke	" " Veal,
William J. Ingram	" " Siebecker,
Bennett McLeod	" " Siebecker,
Harold A. Burger	" " and Cornerman Veal,
Louis Wynd	Flagman Veal,
Benedite Ortiz	" Siebecker,
Lennie F. Bennett	" Veal,
Chas. O. Harris	" Veal,
Howard Hildreth	" Siebecker,
Carmen Ortiz	Cornerman Siebecker,
Walter N. Veal	" Veal,
Harry Inman	" Siebecker,

CERTIFICATE OF UNITED STATES TRANSITMAN.

I, Guy R. Veal, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Group 102, Arizona, bearing date of the 6th day of October, 1919, 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, retraced surveyed all those parts or portions of the Arizona-New Mexico boundary, resurveyed all those parts or portions of the South boundary, and surveyed all these parts or portions of the North boundary and Subdivision lines of

Fractional Township 13 South, Range 32 East,

of the Gila and Salt River

Base and Meridian, in the State of Arizona, and by diagram on page 1 hereof

the foregoing field notes, as having been executed by me, and under my direction; and that all the corners of retracement, resurvey, and said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 102, Arizona,

and in the specific manner described in the field notes, and that the foregoing are the original field notes of retracement, resurvey, and such survey.

Place - Pawas City, Mich., Date - August 15, 1921

Guy R. Veal, U. S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

PHOENIX, ARIZ. SEP 15 1921

The foregoing field notes of the retracement of part of the Arizona-New Mexico boundary, of the resurvey of the South and West boundaries, and of the survey of part of the North boundary, and of the Subdivision lines of

Fractional Township 13 South, Range 32 East,

of the Gila and Salt River Base and Meridian,

in the State of Arizona,

executed by Guy R. Veal, and Karl L. Siebecker, U. S. Transitmen,

under special instructions dated October 6, 1919 for Group 102, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

James O. Frost, U. S. Surveyor General.

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