



BOOK 3917

FIELD NOTES

OF RETRACEMENT OF

Part of the Arizona-New Mexico
State Boundary Line

AND OF THE SURVEY OF

North Boundary

and

Subdivision Lines of

Fractional Township 5 South, Range 32 East

Of the Gila and Salt River Base and Meridian,

In the State of ARIZONA

EXECUTED BY

Charles E. Hunter, U. S. Transitman

In the capacity of U. S. Surveyor, under Special Instructions dated June 9, 1930, issued by the District Cadastral Engineer to govern surveys included in Group No. 161, Arizona, which were approved by the Commissioner of the General Land Office, July 24, 1930, and Assignment Instructions dated January 5, 1931.

Retracement & Survey commenced April 27, 1931.

Retracement & Survey completed May 20, 1931.

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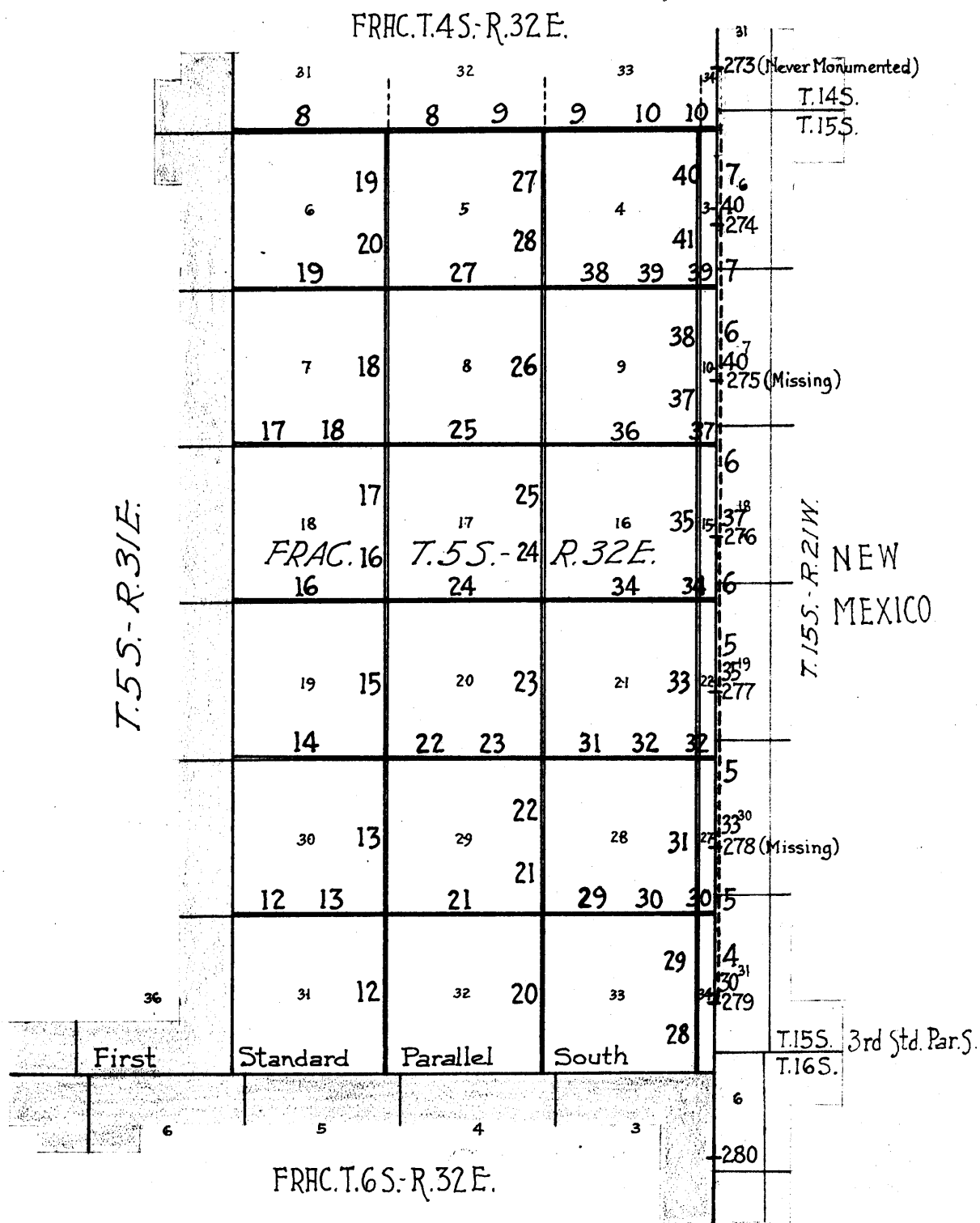
INDEX DIAGRAM.





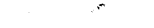


Township 5 SOUTH, Range 32 EAST

	2	3	4						
6	12	5	20	4	33	32	3	2	1
							274 4		
11		19		31		32			
7	10	8	18	9	30	31	10	11	12
10		18		29		29			
18	9	17	17	16	28	30	15	NEW 14	18
							276 27		
8		16		26		27		MEXICO.	
19	7	20	15	21	26	27	22	28	24
							277 23		
6		15		24		25			
30	6	30	14	28	23	25	27	26	25
							23		
5		13		22		23			
31	4	32	12	33	21	23	34	35	36
							279 23		

Book "E"
Group 161 Arizona
INDEX DIAGRAM

BOOK 3917



-  Surveyed under this group. Notes herein.
-  State Boundary retraced. Notes herein. (Establishment of the East 1/4 Sec. Cors. of Secs. 3, 10, 15, 22, 27 and 34 thereon indexed herein in Red figures thus: 30)
-  Accepted surveyed lines in Arizona. Also State Bdy.
-  Unsurveyed.
-  Accepted surveyed lines in New Mexico.
-  Surveyed area in New Mexico.
-  Area surveyed in Arizona as per accepted plats on file.

Retracements and surveys herein described were executed on dates shown on diagram on page 2 hereof, by Charles E. Hunter, U. S. Transitman, using a Young & Sons, transit instrument; No. 8584. The instrument is equipped with an improved Smith Solar attachment. The horizontal limb is provided with two double verniers, placed opposite to each other, reading to single minutes of arc.

The instrument was approved, subject to the usual field test, by the District Cadastral Engineer, for Arizona.

Unless otherwise specified, all azimuths are determined with the solar attachment, and all measurements are made with a Lallie steel tape, five chains in length, compared with a Lufkin standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined by clinometer or transit; and the slope measurements properly reduced to true horizontal distances for entry in the field notes.

PRELIMINARY FIELD TEST

of

Young & Sons transit No. 8584.

April 25, 1931; at station in SW. $\frac{1}{4}$ of section 36, T. 5 S., R. 31 E., G. & S. R. base and meridian, Arizona, approximate lat. $32^{\circ}57\frac{1}{2}'N.$, and long. $109^{\circ}07'W.$, examine the adjustments of the instrument and correct all errors.

April 26, 1931; at $5^{h}28.3^{m}$ a.m., l.m.t., observe Polaris at eastern elongation, making four observations, two each with the telescope in the direct and the reverse positions, and mark the line thus determined with a tack, in a stake driven firmly in the ground, five chains north.

Azimuth of Polaris at eastern elongation is $1^{\circ}16'19''$.

Lay off the azimuth of Polaris $1^{\circ}16\frac{1}{2}'$ to the west and mark the meridian thus determined by a tack, in a stake driven firmly in the ground, five chains north.

At $9^{h}00^{m}$ a.m., app.t., with the lat. arc set at $32^{\circ}57\frac{1}{2}'N.$, and the decl. arc set at $13^{\circ}21'N.$, determine a meridian with the solar, which agrees within 1' of the true meridian.

At apparent noon, with the lat. arc unchanged, observe the sun on the meridian; the resultant reading of the decl. arc is $13^{\circ}24'N.$, which agrees with the computed decl. of the sun.

At $3^{h}00^{m}$ p.m., app.t., with the lat. arc unchanged and the decl. arc set at $13^{\circ}26\frac{1}{2}'N.$, determine a meridian with the solar, which agrees within 1' of the true meridian.

As all of the solar observations taken during the usual hours of solar work, agree within 1' of the true meridian, it is concluded that the instrument is in satisfactory adjustment.

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RETRACEMENT OF PART OF THE ARIZONA-NEW MEXICO STATE

BOUNDARY LINE (275th to 279th, both inclusive)

Chains

The State Boundary Line between Arizona and New Mexico was surveyed due south on the 32nd degree parallel of longitude west from Washington, by Chandler Robins, U. S. Surveyor and Astronomer, in 1875. Counting from the corner of Colo., Utah, Arizona and New Mexico, monuments were established at mile intervals thereon, excepting that portion of the boundary between the 255th and the 274th mile monuments which was left un-monumented. The distance between these two mile monuments, was obtained by triangulation, since the roughness of the surface made chaining impracticable.

On the portion of the State Bdy. Line lying East of Frac. T. 5 S., R. 32 E., Arizona, the 280th mile was retraced by W. E. Hiester, U. S. S., in 1929, in connection with his survey of the subdivision of Frac. T. 6 S., R. 32 E., Arizona.

No other retracement or resurvey of the State Bdy. E. of Frac. T. 5 S., R. 32 E., Ariz. is of record in the Public Survey Office at Phoenix, Arizona.

This portion of the State Bdy. forms part of the West bdays. of Ts. 15 and 16 S., R. 21 W., of the New Mexico Base and Meridian, New Mexico. T. 15 S., R. 21 W., was subdivided in 1891 by U. S. Deputy Surveyor, under instructions from the Santa Fe, New Mexico, Public Survey Office. Closing cors. were established at the points of intersection of the township and subdivisional lines with the State Bdy. The N. bdy. of T. 16 S., R. 21 W., closes on the 280th mile of the State Boundary, on the S. half of the E. bdy. of sec. 34, T. 5 S., R. 32 E., Arizona.

The following notes describe a retracement of the State Bdy. Line, northerly from the 279th mile monument, noting the position of the closing cors. of T. 15 S., R. 17 21 W., New Mexico, thereon.

Beginning at the 279th mile monument of the Arizona-New Mexico State Boundary line, which is a granite stone, 8 by 8 ins., firmly set, projecting 6 ins. above mound of stone, marked and witnessed as described in the official record.

Thence

North, on random line, on the 279th and 278th miles of State Bdy.

Over NW. slope, through scattering timber and brush, desc. slightly.

- .60 Draw, course S.80°W.; asc. 120 ft.
- 9.20 Spur, slopes S.50°W.; desc. 102 ft. over NW. slope.
- 15.80 Small creek, 5 lks. of water, course S.30°W. Follow up creek bed; asc. 148 ft. to 40.30 ch. point.
- 20.60 Leave creek, from N.10°W.
- 25.60 Same creek, course S.20°W.
- 30.80 Same creek, course S.10°E.
- 35.20 Dry bed of same creek, course S.40°W.; thence over SE. slope.

Chains	
40.30	Top of ascent; desc. 30 ft. over NE. slope.
44.85	Draw, course S.20°E.; asc. 93 ft. over SW. slope.
48.65	Thence over SE. slope, asc. 96 ft.
54.21	Fall 45 lks. E. of the closing cor. of secs. 30 and 31, T. 15 S., R. 21 W., New Mexico, which is a stone, 8 by 14 by 20 ins. above ground, firmly set, marked with 6 notches and letters CC on E., and with 1 notch on S. face. Continue line and measurement.
67.00	Spur, slopes E.; desc. 97 ft.
80.00	No trace of the 278th mile monument. Continue line and measurement.
82.55	Draw, course S.20°E.; asc. 128 ft.
87.20	Point of spur, slopes W.; desc. 36 ft.
92.90	Draw, course S.60°W.; asc. 286 ft. over SW. slope.
108.50	Ridge, brs. N.60°E. and S.60°W., desc. 344 ft. over NW. slope.
117.25	Wire fence, brs. N.20°W. and S.20°E.
123.65	Draw, course S.60°W., asc. 318 ft. over SE. slope.
130.80	Spur, slopes S.30°W., desc. 279 ft.
133.90	No trace of the closing cor. of secs. 19 and 30, T. 15 S., R. 21 W., New Mexico. Continue line and measurement.
160.50	Fall 5 lks. E. of the 277th mile monument of the Arizona-New Mexico State Boundary, which is a schist rock, 3 by 20 by 12 ins. above ground, firmly set, marked and witnessed as described in the official record. True course and dist. of each of the 279th and 278th miles of the State Boundary are therefore, S.0°01'E., 80.25 chs. The falling on the closing cor. of secs. 30 and 31, T.15 S., R. 21 W., New Mexico, indicates that it is 41 lks. W. of State Bdy.
	From the 277th mile monument, of the Arizona-New Mexico State Boundary Line. North, on random line, on 277th mile of State Bdy. Over N. slope, through scattering timber and brush, desc. 20 ft.
1.13	Spring branch, 2 lks. of water, course S.80°W.; asc. over broken SW. slope, 505 ft. to 27.90 ch. point.
12.60	Spur, slopes S.30°W.
27.90	Spur, slopes S.80°W.; desc. 363 ft.
45.80	Gulch, course S.80°W.; asc. 275 ft. over SW. slope.

6 RETRACEMENT OF PART OF THE ARIZONA-NEW MEXICO STATE

BOUNDARY LINE(275th to 279th mile, both inclusive)

Chains	
50.20	Draw, course S.40°W.
54.70	No trace of the closing cor. of secs. 18 and 19, T. 15 S., R. 21 W., New Mexico. Continue line and measurement.
78.55	Fall 23 lks. W. of the 276th mile monument of the Arizona-New Mexico State boundary, which is a schist rock, 14, by 4 by 14 ins. above a mound of stone, firmly set, marked and witnessed as described in the official record. True course and dist. of the 277th mile of State Bdy. is therefore, S.0°10'W., 78.55 chs.
	From the 276th mile monument, of the Arizona-New Mexico State Boundary Line. North, on random line, on the 276th and 275th miles of State Bdy. Over SE. slope, through scattering timber and undergrowth, asc. 600 ft.
23.50	Ridge, brs. N.40°E. and S.40°W.; desc. 244 ft. over steep NW. slope.
44.40	Draw, course S.45°W.; asc. 617 ft. over steep SE. slope.
54.90	No trace of the closing cor. of secs. 7 and 18, T. 15 S., R. 21 W., New Mexico. Continue line and measurement.
60.90	Ridge, brs. N.50°E. and S.50°W.; desc. 271 ft. over steep NW. slope, through dense undergrowth.
67.20	Gulch, course S.50°W., forms junction with another gulch from N. about 50 lks. W.; asc. 293 ft. over SW. slope.
80.00	No trace of the 275th mile monument. Continue line and measurement.
86.60	Gulch, course S.30°W.; follow side of gulch.
94.40	Leave gulch, from NW. to S.; asc. over S. slope, 194 ft.
112.50	Ridge, brs. N.70°E. and S.70°W.; desc. 68 ft.
116.80	Head of gulch, course W.; asc. 81 ft.
121.50	Short spur, slopes W.; desc. 69 ft.
128.63	Gulch, course W.; asc. 151 ft.
133.60	No trace of the closing cor. of secs. 6 and 7, T. 15 S., R. 21 W., New Mexico. Continue line and measurement.
139.80	Saddle in divide, brs. N.60°W. and S.60°E.; desc. 92 ft. over NE. slope, through heavy timber and undergrowth.
146.30	Draw, course N.15°W.; thence over general NW. slope, desc. 72 ft.

RETRACEMENT OF PART OF THE ARIZONA-NEW MEXICO STATE

BOUNDARY LINE (275th to 279th miles, both inclusive) BOOK 3917

Chains	
154.60	Enter same draw, from S.10°W. to N.
156.60	Leave draw, course N.10°W.
157.16	<p>Fall 9 lks. E. of the 274th mile monument of the Arizona-New Mexico State Bdy., which is a granite stone, 5 by 12 by 8 ins. above ground, firmly set, marked 274 on N., NM on E., 32 WL on S., and ARIZ on W. faces. From which,</p> <p>A yellow pine, 30 ins. in diam., brs. N.10°30'W., 27 lks. dist., with old blaze grown over, left unopened.</p> <p>A yellow pine, 26 ins. in diam., brs. N.62°30'E., 61 lks. dist., with old blaze grown over, left unopened.</p> <p>An oak, 12 ins. in diam., brs. N.82°00'W., 46 lks. dist., with old blaze grown over, left unopened.</p> <p>True course and dist. of each of the 275th and 276th miles of the State Bdy. are therefore, S.0°02'E., 78.58 chs. dist.</p>

The following notes of the retracement of a part of the 274th mile of the Arizona-New Mexico State Bdy., are given for topography only, since no monument was established at the 273rd mile point, nor beyond that point to the north, for a distance of 18 miles.

From the 274th mile monument, of the Arizona-New Mexico State Bdy.

North, on true line, on the 274th mile of the State Bdy.

Over N. slope, through heavy timber and brush, desc. 18 ft.

5.00 Gulch, course N.30°W.; asc. slightly over SW. slope.

13.10 Thence over NW. slope, desc. 123 ft.

26.10 Draw, course N.70°W.; asc. 312 ft. over SW. slope.

48.58 Intersect the N. bdy. of T. 5 S., R. 32 E., at the closing cor. of Ts. 4 and 5 S., R. 32 E., Arizona, hereinafter described.

Chains

Commence at the cor. of Ts. 4 and 5 S., R. 31 E. and Frac. Ts. 4 and 5 S., R. 32 E., which is an iron post, 3 ins. in diam., 14 ins. above ground, firmly set, marked and witnessed as described in the official record.

Thence East, bet. secs. 6 and 31.

Over rough mountainous land, through timber and undergrowth.

1.70 Creek, water in pools; course S. 80° W.; asc. 283 ft. over NW. slope.

18.20 Top of ascent, desc. 79 ft. over NE. slope.

24.20 Same creek, course N 70° W.; asc. 1079 ft. over SW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, in a mound of stone to top, for 1/4 sec. cor., with brass cap marked

1/4 S 31
S 6
1931

from which

An oak, 5 ins. in diam., brs. N 65° 00' E., 18 lks. dist., mkd. 1/4 S 31 BT.

An oak, 6 ins. in diam., brs. S. 26° 00' E., 36 lks. dist., mkd. 1/4 S 6 BT.

44.10 Slope changes to NW.

67.70 Spur, slopes S. 40° W.; desc. 218 ft. over steep SE. slope.

70.40 Small gulch, course S.; asc. 53 ft. over SW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, with brass cap marked

T4S | R32E
S31 | S32
S6 | S5
T5S
1931

raise a mound

of stone, 4 ft. base, 2 ft. high, W. of cor.

Land, rough mountainous.

Soil, rocky; 4th rate.

Timber, pinyon, oak and juniper; undergrowth, scrub oak and mountain mahogany.

East, bet. secs. 5 and 32.

Over broken S. slope, through timber and dense undergrowth

20.20 Gulch, course S.; asc. 213 ft. over SW. slope.

30.20 Ridge, brs. N. 30° W. and S. 30° E.; desc. 244 ft. over NE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, and in a mound of stone to top,

SURVEY OF NORTH BOUNDARY OF FRACTIONAL

TOWNSHIP 5 S., RANGE 32 E.

BOOK 9917

BOOK 3917

Chains

for 1/4 sec. cor., with brass cap marked

1/4 S 32
1/4 S 5
1931

A yellow pine, 7 ins. in diam., brs. N.75°00'E., 65 lks. dist., mkd. 1/4 S 32 BT. from which

A yellow pine, 8 ins. in diam., brs. S.44°00'W., 20 lks. dist., mkd. 1/4 S 5 BT.

- 44.00 Ravine, course NE., asc. 10 ft. over NW. slope.
- 50.00 Spur, slopes NE.; desc. 330 ft. over E. slope.
- 58.80 Dry creek bed, 30 lks. wide, course N.10°W.; asc. 264 ft. over W. slope.
- 70.20 Spur, slopes N.30°W.; desc. 115 ft. over NE. slope.
- 77.00 Gulch, course N.30°W.; asc. 82 ft. over W. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on surface of a rock ledge, and in a mound of stone, 5 ft. base, 2 1/2 ft. high, for cor. of secs. 4, 5, 32 and 33, with brass cap marked

T4S R32E
S32 S33
S5 S4
T5S
1931

A pinyon, 10 ins. in diam., brs. N.45°E. 102 lks. dist., mkd. T4S R32E S33 BT. from which

A pinyon, 12 ins. in diam., brs. S.15°00'E., 20 lks. dist., mkd. T5S R32E S4 BT.

A pinyon, 8 ins. in diam., brs. S.60°00'W., 47 lks. dist., mkd. T5S R32E S5 BT.

A pinyon, 9 ins. in diam., brs. N56°15'W., 101 lks. dist., mkd. T4S R32E S32 BT.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, pinyon, juniper and oak; undergrowth, scrub oak and mountain mahogany.

East, bet. secs. 4 and 33.

Over W. slope, through timber and undergrowth, asc. 293 ft.

- 16.30 Ridge, brs. N.30°W. and S.30°E.; desc. 152 ft. over NE. slope.
- 23.80 Head of draw, course N.; asc. 142 ft. over NW. slope.
- 31.70 Spur, slopes N.; desc. 471 ft. over NE. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap marked

SURVEY OF NORTH BOUNDARY OF FRACTIONAL

TOWNSHIP 5 S., RANGE 32 E.

Chains

$$\frac{1}{4} \frac{S 33}{S 4}$$
 1931

from which
 A pine, 5 ins. in diam., brs. S.28°E., 9 lks. dist., mkd.
 $\frac{1}{4}$ S 4 BT.

A pine, 5 ins. in diam., brs. N.39°00'W., 20 lks. dist.,
 mkd. $\frac{1}{4}$ S 33 BT.

48.60 Draw, course N.; asc. 65 ft. over NW. slope.

51.50 Spur, slopes N.; desc. 163 ft.

69.20 Dry bed of creek, 20 lks. wide, course N.60°W.; asc. 290
 ft. over SW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in
 the ground, for cor. of secs. 3, 4, 33 and 34, with
 brass cap marked

$$\begin{array}{c} T4S R32E \\ S33 S34 \\ \hline S4 S3 \\ T5S \\ 1931 \end{array}$$

from which
 A pinyon, 12 ins. in diam., brs. N.47°00'E., 11 lks. dist.,
 mkd. T4S R32E S34 BT.

A pinyon, 10 ins. in diam., brs. S.33°30'E., 25 lks. dist.,
 mkd. T5S R32E S3 BT.

A pinyon, 9 ins. in diam., brs. S.45°00'W., 25 lks. dist.,
 mkd. T5S R32E S4 BT.

A pinyon, 6 ins. in diam., brs. N.78°00'W., 34 lks. dist.,
 mkd. T4S R32E S33 BT.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, pine, juniper, pinyon and oak; undergrowth, scrub
 oak and mountain mahogany.

East, bet. secs. 3 and 34.

Over W. slope, through scattering timber and undergrowth,
 asc. 118 ft.

3.94 Intersect the Arizona-New Mexico State Bdy. Line,

Set an iron post, 3 ft. long, 3 ins. in diam., 26 ins. in
 the ground, for closing cor. of Ts. 4 and 5 S., R. 32 E.,
 with brass cap marked

$$\begin{array}{c} T4S \\ R32E \\ S34 N \\ \hline CC S3 \\ T5S \\ 1931 \end{array} \text{ MEX}$$

from which
 A pinyon, 8 ins. in diam., brs. N.15°15'W., 103 lks. dist.,
 mkd. T4S R32E S34 CC BT.

An oak, 6 ins. in diam., brs. S.73°45'W., 45 lks. dist.,

Chains

mkd. T5S R32E S3 CC BT.

From point of intersection, the 274th mile monument of the State bdy., hereinbefore described, brs. South, 48.58 chs. dist.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, pinyon and oak; undergrowth, scrub oak.

Chains

From the standard cor. of secs. 31 and 32, on the S. bdy. of the township, which is an iron post, 2 ins. in diam., 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

N.0°01'E., bet. secs. 31 and 32.

Over open rocky SW. slope, asc. 247 ft.

11.20 Rim rock, 20 ft. high, brs. N.60°W. and S.60°E.

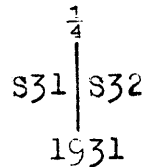
11.30 Spur, slopes N.60°W.; desc. 230 ft. over NE. slope.

19.70 Abandoned road, brs. N.50°W. and S.50°E.

29.80 Draw, drains N.60°W.; asc. 87 ft. over SW. slope.

39.00 Spur, slopes N.60°W.; desc. 141 ft. over broken NW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

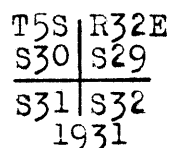


49.80 Small gulch, course N.40°W.

62.90 Draw, drains W.; asc. 100 ft. over SE. slope through scattering undergrowth.

70.70 Spur, slopes S.40°W.; desc. 74 ft. over NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for cor. of secs. 29, 30, 31 and 32, with brass cap marked



Land, rolling and mountainous.

Soil, rocky; 3rd rate.

Timber, scattering cedar; undergrowth, mesquite, oak and cactus.

West, on random line, bet. secs. 30 and 31.

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

79.86 Intersect the cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the Tp., which is an iron post, 2 ins. in diam., firmly set, projecting 4 ins. above the top of a mound of stone, 4 ft. base, 2 ft. high, marked and witnessed as described in the official record.

Thence

East, on true line, bet. secs. 30 and 31.

Over W. slope, through scattering undergrowth, asc. 255 ft.

SUBDIVISION OF FRACTIONAL T. 5 S., R. 32 E.

Chains 7.20	S. side of rocky butte, near top; desc. 255 ft. over SE. slope.
15.50	Saddle in ridge, brs. N.50°W. and S.50°E.; thence along N. slope.
21.20	Descend 85 ft. over NE. slope.
26.30	Small draw, drains N.10°W.; asc. 207 ft. over W. slope.
34.30	Spur, slopes N.20°W.; desc. 340 ft. over NE. slope.
39.93	Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked
	$\begin{array}{r} \frac{1}{4} \text{ S } 30 \\ \hline \frac{1}{4} \text{ S } 31 \\ 1931 \end{array}$
53.00	Draw, drains S.; asc. 118 ft. over SW. slope.
59.00	Spur, slopes S.; desc. 143 ft. over SE. slope.
71.00	Abandoned road, brs. N. and S.
73.20	Dry creek, 50 lks. wide, course S.10°W.
79.86	The cor. of secs. 29, 30, 31 and 32.
	Land, mountainous. Soil, rocky; 3rd rate. Timber, scattering cedar; undergrowth, scrub oak and mesquite.
	N. 0°01'E., bet. secs. 29 and 30.
	Over NW. slope, through scattering timber and brush, desc., 40 ft.
16.40	Dry bed of creek, 50 lks. wide, course S.30°W.; asc. 278 ft. over SE. slope. Dim road leads up wash.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for ¼ sec. cor., with brass cap marked
	$\begin{array}{r} \frac{1}{4} \\ \hline \text{S}30 \mid \text{S}29 \\ 1931 \end{array}$
44.00	Ridge brs. N. and S.40°W. A house brs. N64°15'E. Continue ascent along ridge.
55.00	Leave ridge, brs. N.20°E. and S.; desc. 63 ft. over NW. slope.
55.10	Wire fence, brs. E. and W.
66.20	Head of draw, drains S.70°W.; asc. 49 ft. over S. slope.
76.20	Low spur, slopes S.60°W.; desc. 20 ft. over NW. slope.
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, with

SUBDIVISION OF FRACTIONAL T. 5 S., R. 32 E.

Chains

brass cap marked

T5S	R32E
S19	S20
S30	S29
1931	

from which

A cedar, 20 ins. in diam., brs. N.13°30'E., 226 lks. dist., mkd. T5S R32E S20 BT.

A cedar 18 ins. in diam., brs. S. 13°30'E., 93 lks. dist., mkd. T5S R32E S29 BT.

A cedar, 12 ins. in diam., brs. N.64°30'W., 317 lks. dist., mkd. T5S R32E S19 BT.

No other suitable accessory.

Land, rolling mountainous.

Soil, gravelly and stony; 3rd rate.

Timber, scattering cedar; undergrowth, mesquite and scrub oak.

West, on random line, bet. secs. 19 and 30.

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect W. bdy. of Tp., 2 lks. N. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, 2 ins. in diam., firmly set in a mound of stone, 5 ft. base, 3 ft. high, mkd. and witnessed as described in the official record.

Thence

N.89°59'E., on true line bet. secs. 19 and 30.

Over W. slope, through scattering timber and undergrowth,

4.00 Spur, slopes S.40°W.; desc. 108 ft. over SE. slope.

4.10 Wire fence, brs. N.10°W. and S.10°E.

17.30 Wire fence, brs. N.85°E. and S.85°W.

19.30 Draw, drains S.30°W.; asc. 95 ft. over SE. slope.

24.50 Spur, slopes S.40°W.; desc. 53 ft. over SE. slope.

33.80 Draw, drains S.30°W.; asc. 55 ft. over W. slope.

40.01 Set an iron post, 3-ft. long, 1 in. in diam., 27 ins. in the ground, for 1/4 sec. cor. with brass cap marked

1/4	S 19
	S 30
1931	

raise a mound

of stone, 3 ft. base, 2 ft. high, N. of cor.

Ascend 70 ft. over SW. slope.

48.00 Thence along S. slope.

67.10 Wire fence, brs. N. and S.

74.40 Draw, drains S.10°W.

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Chains
76.70 Small draw, drains S.70°W.
80.02 The cor. of secs. 19, 20, 29 and 30.
Land, rolling mountainous.
Soil, gravelly and stony; 3rd rate.
Timber, scattering cedar; undergrowth, scrub oak and cactus.

N.0°01'E., bet. secs. 19 and 20.
Over general SW. slope, through scattering timber and undergrowth, asc. 585 ft.

1.80 Small draw, drains S.70°W.
2.20 Wife fence, brs. E. and W.
13.90 Small gulch, course S.30°W.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S19 | S20
1931

A cedar, 10 ins. in diam., brs. N.9°45'E., 190 lks. dist., mkd. $\frac{1}{4}$ S20 BT. from which
A cedar, 10 ins. in diam., brs. S.24°15'W., 62 lks. dist., mkd. $\frac{1}{4}$ S19 BT.

56.00 Spur, slopes W.; desc. 109 ft. over NW. slope.
70.40 Gulch, course S.50°W.; asc. 192 ft. over SW. slope.
79.50 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for witness cor. of secs. 17, 18, 19 and 20, with brass cap marked

W C
T5S | R32E
S18 | S17
S19 | S20
1931

A cedar, 10 ins. in diam., brs. S.37°00'E., 164 lks. dist., mkd. WC T5S R32E S20 BT. from which
A cedar, 10 ins. in diam., brs. S.83°00'W., 83 lks. dist., mkd. WC T5S R32E S19 BT.
A cedar, 12 ins. in diam., brs. N.17°00'W., 260 lks. dist., mkd. WC T5S R32E S18 BT.

No other suitable accessory.

80.00 True point for cor. of secs. 17, 18, 19 and 20, falls in a small gulch, course S.60°W.
Land, mountainous.
Soil, rocky; 4th rate.
Timber, cedar; undergrowth, scrub oak and cactus.

Chains	From true point for cor. of secs. 17, 18, 19, and 20. S. 89° 59' W., on random line bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect W. bdy. of Tp., 3 lks. N. of the cor. of secs. 13, 18, 19, and 24, which is an iron post, 2 ins. in diam., firmly set, flush with top of a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, mkd. and witnessed as described in the official record.
	Thence
	N. 89° 58' E., on true line, bet. secs. 18 and 19.
	Over SW. slope, through scattering timber and undergrowth, asc. 473 ft.
5.00	Small draw, drains S. 30° W.
17.70	Small draw, drains S. 70° W.
39.99	Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S 18}{S 19}$ 1931
	A cedar, 24 ins. in diam., brs. brs. S. 4° 15' E., 190 lks. dist., mkd. $\frac{1}{4}$ S 19 BT. from which
	No other suitable accessory.
48.10	Draw, drains S.; asc. 459 ft. over SW. slope.
62.40	Small draw, drains S. 70° W.
79.98	The true point, for cor. of secs. 17, 18, 19, and 20. Land, mountainous. Soil, stony; 4th rate. Timber, scattering cedar; undergrowth, oak, button-weed, and cactus.
	From true point, for cor. of secs. 17, 18, 19, and 20.
	N. 0° 01' E., bet. secs. 17 and 18.
	Over broken SW. slope, through scattering timber and undergrowth, asc. 476 ft.
4.40	Small gulch, course S. 50° W.
27.20	Spur, slopes S. 80° W.; desc. 96 ft. over NW. slope.
33.50	Gulch, course S. 80° W.; asc. 226 ft. over SW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

Chains

$\frac{1}{4}$
 s18 | s17
 1931

43.43 Spur, slopes S.70°W.; desc. 398 ft. over NW. slope.

54.90 Bottom of canyon, course S.80°W.; asc. 304 ft. over SW. slope.

68.00 Spur, slopes S.80°W.; desc. 134 ft. over broken NW. slope.

71.40 Head of draw, drains S.80°W.

73.50 Low ridge, brs. E. and W.; desc. 137 ft. over NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, in a mound of stone to top, for cor. of secs. 7, 8, 17, and 18, with brass cap marked.

T5S | R32E
 s7 | s8

 s18 | s17
 1931

A cedar, 24 ins. in diam., brs. S.12°00'E., 56 lks. dist., mkd. T5S R32E S17 BT. from which

No other suitable accessory.

Land, mountainous.
 Soil, stony; 4th rate.
 Timber, scattering cedar; undergrowth, oak, bear grass and button-weed.

S.89°58'W., on random line, bet. secs. 7 and 18.

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

79.90 Intersect W. bdy. of Tp. at the cor. of secs. 7, 12, 13, and 18, which is an iron post, 2 ins. in diam., firmly set, flush with the top of a mound of stone, 2 $\frac{1}{2}$ ft. base, 20 ins. high, mkd. and witnessed as described in the official record.

Thence

N.89°58'E., on true line bet. secs. 7 and 18.

Over NW. slope, through scattering timber and undergrowth, asc. 300 ft.

3.30 Wire fence, brs. N.40°E. and S.40°W.

21.00 Ridge, brs. N.40°E. and S.40°W.; desc. 182 ft. over SE. slope.

39.95 Set an iron post, 3 ft. long, 1 in. in diam., on surface of rock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$ s7
 s18
 1931

Chains	
43.00	Head of small gulch, course S.20°W.; asc. 232 ft. over SW. slope.
54.70	Same ridge, brs. N.70°W. and S.70°E.; thence desc. 60 ft. over NE. slope.
61.60	Thence over broken NW. slope, asc. 361 ft.
73.90	Gulch, course N.60°W.
79.90	The cor. of secs. 7, 8, 17 and 18.
Land,	Land, mountainous. Soil, rocky; 4th rate. Timber, scattering cedar; undergrowth, mesquite, oak and button-wood.
	N.0°01'E., bet. secs. 7 and 8.
	Over NW. slope, through scattering timber and undergrowth, desc. 239 ft.
15.60	Head of draw, drains S.80°W.; asc. 549 ft. over SW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bedrock, and in a mound of stone, to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S7 S8 1931
	A pinyon, 6 ins. in diam., brs. S.76°00'E., 24 lks. dist., mkd. $\frac{1}{4}$ S8 BT. from which
	A pinyon, 10 ins. in diam., brs. N.44°00'W., 15 lks. dist., mkd. $\frac{1}{4}$ S7 BT.
	The $\frac{1}{4}$ sec. cor. is set along side of boulder, 2 ft. high, and 8 ft. across.
41.40	Thence over NW. slope, desc. 176 ft.
60.00	Head of draw, drains S.70°W.; asc. 733 ft. over SW. slope.
79.60	High rocky spur, slopes S.60°W.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., on surface rock, and in a mound of stone, 5 ft. base, 3 ft. high, for cor. of secs. 5, 6, 7, and 8, with brass cap marked
	T5S R32E S6 S5 S7 S8 1931
	An oak, 6 ins. in diam., brs. N.6°30'E., 61 lks. dist., mkd. T5S R32E S5 BT. from which
	A pinyon, 8 ins. in diam., brs. S.74°00'W., 26 lks. dist., mkd. T5S R32E S7 BT.
	A pinyon, 8 ins. in diam., brs. N.52°00'W., 37 lks. dist., mkd. T5S R32E S6 BT.
	No other suitable accessory.

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LOCK 3917

Chains

Land, mountainous.
Soil, rocky; 4th rate.
Timber, pinyon, oak and juniper; undergrowth, scrub oak, mountain mahogany and bear grass.

S.89°58'W., on random line bet. secs. 6 and 7.

40.00 Set temp. 1/4 sec. cor.

79.78 Intersect W. bdy. of Tp., 7 lks. S. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, 2 ins. in diam., firmly set, flush with the top of a mound of stone, 2 1/2 ft. base, 20 ins. high, marked and witnessed as described in the official record.

Thence

S.89°59'E., on true line bet. secs. 6 and 7.

Over SE. slope through scattering timber and undergrowth, desc. slightly.

14.70 Dry bed of creek, 30 lks. wide, course S.70°W.; asc. 368 ft. over SW. slope.

36.00 Point of spur, slopes SW.; desc. 40 ft. over SE. slope.

39.70 Draw, drains SW.; asc. 1224 ft. over W. slope.

39.89 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for 1/4 sec. cor., with brass cap marked

1/4 S 6
S 7
1931

60.80 Spur, slopes S.60°W.

79.78 The cor. of secs. 5, 6, 7 and 8.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, scattering cedar; juniper and oak; undergrowth, scrub oak, mesquite, mountain mahogany and cactus.

N.0°01'E., on random line, bet. secs. 5 and 6.

40.00 Set temp. 1/4 sec. cor.

79.62 Intersect N. bdy. of Tp. 5 lks. W. of the cor. of secs. 5, 6, 31 and 32, hereinbefore described.

Thence

S.0°03'W., on true line bet. secs. 5 and 6.

Over S. slope, through scattering timber and undergrowth, desc. 370 ft.

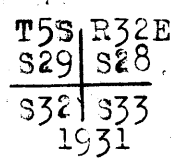
11.50 Dry creek, 20 lks. wide, course S.80°W.; asc. 554 ft. over NW. slope.

Chains	
36.10	Spur, slopes S.70°W.; desc. 114 ft. over SW. slope.
39.62	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ s6 s5 1931
43.10	Head of draw, drains S. 60°W.; asc. 110 ft. over NW. slope.
58.40	Spur, slopes W.; desc. 122 ft. over SW. slope.
75.10	Thence along W. slope.
79.62	The cor. of secs. 5, 6, 7, and 8.
	Land, mountainous. Soil, rocky; 4th rate. Timber, cedar, oak and pinyon; undergrowth, oak, mahogany and cactus.
	From the standard cor. of secs. 32 and 33, on the S. bdy. of the township, which is an iron post, 2 ins. in diam., firmly set, flush with the top of a mound of stone, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, mkd. and witnessed as described in the official record.
	N.0°01'E., bet. secs. 32 and 33.
	Over mountainous land, through scattering timber and undergrowth.
9.75	Gulch, course E.; asc. 426 ft. over SE. slope.
11.85	Abandoned road, hrs. E. and W.
31.50	Spur, slopes E.; desc. 37 ft. over N. slope.
37.45	Draw, drains N.70°E.; asc. 23 ft. over SE. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bedrock, with a stone lkd. X, deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ s32 s33 1931
42.75	Spur, slopes E.; desc. 102 ft. over NE. slope.
51.65	Small draw, drains E.; asc. 33 ft. over SE. slope.
56.55	Spur, slopes E.; desc. 111 ft. over NE. slope.
63.35	Draw, drains S.80°E.; asc. 184 ft. over SW. slope.
76.85	Thence over E. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., on surface

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Chains

rock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for cor. of secs. 28, 29, 32 and 33, with brass cap marked



A house brs. N.72°00'E.

Land, rough mountainous.
Soil, rocky; 4th rate.
Timber scattering cedar; undergrowth, mesquite, oak and cactus.

West, on random line, bet. secs. 29 and 32.

40.00 Set temp. 1/2 sec. cor.

79.96 Intersect N. and S. line, 16 lks. N. of the cor. of secs. 29, 30, 31 and 32.

Thence

N.89°53'E., on true line bet. secs. 29 and 32.

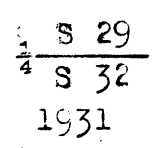
Over W. slope, through scattering timber and undergrowth, asc. 684 ft.

18.40 Top of knoll, continue ascent over NW. slope. A house brs. N.1°27'W.

32.80 Head of gulch, course N.60°W.

37.90 Spur, slopes N.20°W.; desc. 152 ft. over NE. slope.

39.98 Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for 1/2 sec. cor., with brass cap marked



43.90 Head of gulch, course N.; thence along N. slope.

49.70 Spur, slopes N.40°E.; desc. 358 ft. over SE. slope.

64.90 Draw, drains S.30°E.; asc. 154 ft. over SW. slope.

77.40 Spur, slopes S.50°E.; desc. 22 ft. over E. slope.

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

Land, rough mountainous.
Soil, rocky; 4th rate.
Timber, scattering cedar; undergrowth, oak, and cactus.

N.0°01'E., bet. secs. 28 and 29.

Over NE. slope, through scattering timber and undergrowth, desc. 261 ft.

Chains	
23.70	Dry bed of creek, 30 lks. wide, course S.60°E.; asc. 218 ft. over SE. slope.
39.70	Spur, slopes SW.; desc. 50 ft. over NW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked,
	$\begin{array}{c} \frac{1}{4} \\ \hline \text{s29} \mid \text{s28} \\ \hline 1931 \end{array}$
	raise a mound
	of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
57.50	Same creek, course S.20°W.; asc. 171 ft. over broken SE. slope.
70.50	Draw, drains. S.60°E.
77.20	Fence, brs. E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for cor. of secs. 20, 21, 28 and 29, with brass cap marked
	$\begin{array}{c} \text{T5S} \mid \text{R32E} \\ \hline \text{s20} \mid \text{s21} \\ \hline \text{s29} \mid \text{s28} \\ \hline 1931 \end{array}$
	Land, mountainous. Soil, rocky; 4th rate. Timber, scattering cedar; undergrowth, oak, mesquite and cactus.
	S.89°53'W., on random line, bet. secs. 20 and 29.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect cor. of secs. 19, 20, 29 and 30.
	Thence
	N.89°53'E., on true line bet. secs. 20 and 29.
	Over NW. slope, through scattering timber and undergrowth, asc. 75 ft.
13.30	Low ridge, brs. N.60°E. and S.60°W.; thence along broken S. slope.
22.80	Spur, slopes S.20°E.; desc. 97 ft. over SE. slope.
26.20	Fence, brs. N.80°W. and S.80°E.
32.50	Wash, 15 lks. wide, course S.20°E.; asc. 73 ft. over SW. slope.
39.70	Spur, slopes S.10°E.; desc. 78 ft. over SE. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

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Chains

$\frac{1}{4}$ S 20
S 29
1931

- 54.70 Dry bed of creek, 20 lks. wide, course S.20°W.; asc. 126 ft. over SW. slope.
- 64.00 Spur, slopes S.; desc. 110 ft. over SE. slope.
- 73.00 Head of gulch, course S.; asc. 78 ft. over SW. slope.
- 77.40 Spur, slopes S.; desc. 22 ft. over SE. slope.
- 80.00 The cor. of secs. 20, 21, 28, and 29.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, scattering cedar; undergrowth, oak, mesquite and cactus.

N.0°01'E., bet. secs. 20 and 21.

Over SE. slope, through scattering undergrowth, asc. 41 ft.

- 5.50 Short spur, slopes E.; desc. 34 ft. over NE. slope.
- 19.70 Draw, course S.60°E.; asc. 125 ft. over SE. slope.
- 34.90 Spur, slopes S.50°W.; asc. 67 ft. over NW. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S20 | S21
1931

from which
A cedar, 8 ins. in diam., brs. N.25°00'E., 84 lks. dist., mkd. $\frac{1}{4}$ S21 BT.

A juniper, 6 ins. in diam., brs. S.21°30'W., 71 lks. dist., mkd. $\frac{1}{4}$ S20 BT.

- 43.20 Draw, drains S.20°W; asc. 201 ft. over S. slope.
- 58.70 Spur, slopes S.50°E.; desc. 289 ft. over NE. slope.
- 71.80 Draw, drains S.70°E.; asc. 197 ft. over SW. slope.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for cor. of secs. 16, 17, 20 and 21, with brass cap marked

T5S | R32E
S17 | S16
S20 | S21
1931

Land, mountainous.
Soil, rocky; 4th rate.
Timber, scattering cedar; undergrowth, mesquite, oak and cactus.

Chains	S.89°53'W., on random line, bet. secs. 17 and 20.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, 7 lks. S. of true point for cor. of secs. 17, 18, 19 and 20.
	Thence
	N.89°56'E., on true line bet. secs. 17 and 20.
	Over W. slope, through timber and dense undergrowth, asc. 631 ft.
18.60	Rocky spur, slopes S.30°W.; thence along S. slope.
27.20	Descend 707 ft. over SE. slope.
34.50	Spur, slopes S.60°E., continue descent over NE. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} \frac{1}{4} \text{ S } 17 \\ \hline \frac{1}{4} \text{ S } 20 \\ 1931 \end{array}$
45.50	Cliff, 50 ft. high, faces N.30°E.
55.30	Draw, drains S.70°E., thence along S. slope.
65.30	Spur, slopes S.60°E.; desc. 160 ft. over NE. slope.
68.00	Draw, drains S.60°E.; asc. 52 ft. over S. slope.
80.00	The cor. of secs. 16, 17, 20 and 21.
	Land, rough mountainous. Soil, rocky; 4th rate. Timber, cedar, juniper and oak; undergrowth, oak and mesquite.
	N.0°01'E., bet. secs. 16 and 17.
	Ascend over cliff, 50 ft. high, faces S.20°W.
0.60	Spur, slopes S.70°E.; desc. 196 ft. over NE. slope, through scattering timber and undergrowth.
12.90	Gulch, course S.60°E.; asc. 375 ft. over S. slope.
18.20	Spur, slopes S.70°E.; desc. 235 ft.
23.30	Gulch, course S.80°E.; asc. 151 ft. over S. slope.
27.30	Spur, slopes S.80°E.; desc. 86 ft. over NE. slope.
31.70	Gulch, course S.70°E.; asc. 178 ft. over S. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} \frac{1}{4} \\ \hline \text{S17} \text{S16} \\ 1931 \end{array}$

SUBDIVISION OF FRACTIONAL T. 5 S., R. 32 E.

BOOK 3917

Chains	<p style="text-align: right;">from which</p> <p>A juniper, 12 ins. in diam., brs. N.86°00'E., 149 lks. dist., mkd. $\frac{1}{4}$ S16 BT.</p> <p>No other suitable accessory. The $\frac{1}{4}$ sec. cor. is situated on a spur, sloping S.80°E. Desc. 298 ft. over NE. slope.</p> <p>52.30 Gulch, course S.70°E.; thence along broken E. slope.</p> <p>66.00 Bend in creek, 5 lks. of water, from N.20°E. to S.20°E. This creek in gorge known as Hells Hole. Thence asc. gradually along SE. slope.</p> <p>72.90 Wash, 50 lks. wide, course E.</p> <p>74.30 Gulch, 50 lks. wide, course S.50°E.; asc. 117 ft. over S. slope. This gulch forms junction with creek E. about 1 ch. dist.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on surface rock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for cor. of secs. 8, 9, 16 and 17, with brass cap marked</p> <div style="text-align: center;"> <table border="1"> <tr><td>T5S</td><td>R32E</td></tr> <tr><td>38</td><td>39</td></tr> <tr><td>S17</td><td>S16</td></tr> <tr><td colspan="2">1931</td></tr> </table> </div> <p>Land, mountainous. Soil, rocky; 4th rate. Timber, scattering cedar and oak; undergrowth, oak, mesquite and cactus.</p> <hr/> <p>S.89°56'W., on random line, bet. secs. 8 and 17.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>80.36 Intersect N. and S. line, at the cor. of secs. 7, 8, 17, and 18.</p> <p>Thence</p> <p>N.89°56'E., on true line bet. secs. 8 and 17:</p> <p>Over NW. slope, through timber and dense undergrowth, asc. 654 ft.</p> <p>20.30 Thence along N. slope, near top of high peak.</p> <p>27.30 Descend 1389 ft. over general NE. slope.</p> <p>40.18 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;"> <table border="1"> <tr><td>$\frac{1}{4}$</td><td>S 8</td></tr> <tr><td></td><td>S 17</td></tr> <tr><td colspan="2">1931</td></tr> </table> </div> <p>of stone, 3 ft. base, 2 ft. high, N. of cor. raise a mound</p> <p>72.70 Creek, 40 lks. wide, course S.60°E. in bottom of Hells Hole, water in pools; asc. 45 ft. over SW. slope.</p> <p>78.70 Thence over SE. slope, desc. 10 ft.</p> <p>80.36 The cor. of secs. 8, 9, 16 and 17.</p>	T5S	R32E	38	39	S17	S16	1931		$\frac{1}{4}$	S 8		S 17	1931	
T5S	R32E														
38	39														
S17	S16														
1931															
$\frac{1}{4}$	S 8														
	S 17														
1931															

Chains

Land, rough mountainous.
Soil, rocky; 4th rate.
Timber, scattering cedar, juniper and oak; undergrowth,
mountain mahogany, mesquite and cactus.

N.0°01'E., bet. secs. 8 and 9.

Over general S. slope, through scattering undergrowth,
asc. 789 ft.

19.80 Gulch, course SW.

31.50 Enter scattering timber; asc. 506 ft. over SW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in
the ground to bedrock, and in a mound of stone to top,
for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S8 | S9
1931

A pinyon, 8 ins. in diam., brs. N.57°45'E., 36 lks. dist.,
mkd. $\frac{1}{4}$ S9 BT. from which

A pinyon, 8 ins. in diam., brs. N.38°00'W., 36 lks. dist.,
mkd. $\frac{1}{4}$ S8 BT.

50.40 Granite ledge on spur, slopes W.; desc. 106 ft. over NW.
slope. Timber becomes dense.

55.60 Small draw, drains W.; asc. 495 ft. over general SW.
slope.

61.80 Gulch, course S.30°W.

76.60 Ridge, brs. N.70°W. and S.70°E.; asc. slightly over SE.
slope.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on surface
rock, and in a mound of stone to top, for cor. of secs.
4, 5, 8 and 9, with brass cap marked

T5S | R32E
S5 | S4
S8 | S9
1931

A pinyon, 9 ins. in diam., brs. N.12°00'E., 42 lks. dist.,
mkd. T5S R32E S4 BT. from which

A pinyon, 5 ins. in diam., brs. S.5°00'E., 30 lks. dist.,
mkd. T5S R32E S9 BT.

A pinyon 9 ins. in diam., brs. S.45°00'W., 38 lks. dist.,
mkd. T5S R32E S8 BT.

A pinyon, 12 ins. in diam., brs. N.78°45'W., 88 lks. dist.,
mkd. T5S R32E S5 BT.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, cedar, pinyon and juniper; undergrowth, oak, moun-
tain mahogany and cactus.

Chains	S. 89°56'W., on random line, bet. secs. 5 and 8.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect N. and S. line, 2 lks. S. of the cor. of secs. 5, 6, 7 and 8.
	Thence
	N. 89°57'E., on true line bet. secs. 5 and 8.
	Over SW. slope, through timber and undergrowth, asc. 195 ft.
8.75	Top of peak; desc. 846 ft. over general E. slope.
33.50	Gulch, 20 lks. wide, course SE.; asc. 644 ft. over SW. slope.
40.04	Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{l} S 5 \\ S 8 \end{array}$ 1931
	from which
	A pinyon 12 ins. in diam., brs. N. 6°00'W., 94 lks. dist., mkd. $\frac{1}{4}$ S5 BT.
	A pinyon, 8 ins. in diam., brs. S. 64°15'W., 25 lks. dist., mkd. $\frac{1}{4}$ S8 BT.
54.60	Spur, slopes S.; desc. 100 ft. over SE. slope.
61.10	Draw, drains S. 30°W.; asc. 386 ft. over SW. slope.
76.40	Ridge, brs. N. 50°W. and S. 50°E.; desc. 53 ft. over E. slope.
80.08	The cor. of secs. 4, 5, 8 and 9.
	Land, mountainous.
	Soil, rocky; 4th rate.
	Timber, pinyon and juniper; undergrowth, mountain mahogany and oak.
	N. 0°03'E., on random line, bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect N. bdy. of Tp., 14 lks. E. of the cor. of secs. 4, 5, 32 and 33, hereinbefore described.
	Thence
	S. 0°03'E., on true line bet. secs. 4 and 5.
	Over SW. slope, through timber and undergrowth; desc. 84 ft.
4.70	Gulch, course NW.; thence over broken W. slope.
13.20	Draw, drains W.
28.80	Descend 54 ft. over SW. slope.
32.30	Gulch, course N. 80°W.; asc. 43 ft.

Chains	
35.00	Spur, slopes W.; desc. 49 ft.
39.40	Gulch, course N.80°W.; asc. 69 ft. over NW. slope.
39.80	Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{2}$ S5 S4 1931
	A juniper, 26 ins. in diam., brs. N.87°00'E., 89 lks. dist., mkd. $\frac{1}{4}$ S4 BT. from which
	A yellow pine, 22 ins. in diam., brs. S.77°15'W., 45 lks. dist., mkd. $\frac{1}{4}$ S5 BT.
41.80	Spur, slopes W.; desc. 95 ft.
56.80	Dry creek, 20 lks. wide, course N.30°W.; asc. 292 ft. over NE. slope.
66.20	Short spur, slopes E.; desc. 99 ft. over SE. slope.
73.00	Gulch, course E.; asc. 94 ft. over NE. slope.
77.50	Spur, slopes NE.; thence along E. slope.
79.80	The cor. of secs. 4; 5, 8 and 9.
	Land, rough mountainous. Soil, rocky; 4th rate. Timber, pinyon, juniper, pine and oak; undergrowth, oak and mountain mahogany.
	From std. cor. of secs. 33 and 34, on S. bdy. of the Tp., which is an iron post, 2 ins. diam., projecting 12 ins. above ground, firmly set, marked and witnessed as described in the official record,
	N.0°02'E., bet. secs. 33 and 34.
	Over NW. slope, through scattering timber and brush, desc., slightly.
4.40	Wire fence, brs. E. and W.
4.50	Small draw, drains S.70°W.; asc. 83 ft. over S. slope.
10.00	Spur, slopes W.; desc. 90 ft. over N. slope.
12.20	Draw, drains W.; asc. 165 ft. over S. slope.
18.50	Spur, slopes W.; desc. 67 ft. over N. slope.
30.70	Abandoned road, brs. NW. and SE.
34.00	Center of small round corral.
34.70	Wash, 30 lks. wide, course S.40°W.; asc. 62 ft. over S. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

Chains	<p style="text-align: center;"> $\frac{1}{4}$ S33 S34 1931 </p> <p style="text-align: right;">from which</p> <p>A cedar limb, 12 ins. in diam., brs. S.2°45'E., 165 lks. dist., mkd. $\frac{1}{4}$ S34 BT.</p> <p>A cedar, 8 ins. in diam., brs. N.3°00'W., 65 lks. dist., mkd. $\frac{1}{4}$ S33 BT.</p> <p>41.00 Spur, slopes S.30°W.; desc. 40 ft. over NW. slope.</p> <p>45.80 Dry bed of creek, 50 lks. wide, course S.40°W.; asc. 336 ft. over SE. slope.</p> <p>70.10 Small gulch, course S.80°E.</p> <p>76.60 Spur, slopes S.50°E., desc. 97 ft. over NE. slope.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 27, 28, 33 and 34, with brass cap marked</p> <p style="text-align: center;"> T5S R32E S28 S27 S33 S34 1931 </p> <p style="text-align: right;">from which</p> <p>A cedar, 8 ins. in diam., brs. N.77°00'E., 109 lks. dist., mkd. T5S R32E S27 BT.</p> <p>A cedar, 10 ins. in diam., brs. S.54°00'E., 200 lks. dist., mkd. T5S R32E S34 BT.</p> <p>A cedar limb, 14 ins. in diam., brs. N.79°00'W., 40 lks. dist., mkd. T5S R32E S28 BT.</p> <p>No other suitable accessory.</p> <p>Land, mountainous. Soil, rocky; 4th rate. Timber, scattering cedar; undergrowth, mesquite, oak and cactus.</p> <hr/> <p>West, on random line, bet. secs. 28 and 33.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>79.84 Intersect N. and S. line, 12 lks. S. of the cor. of secs. 28, 29, 32 and 33.</p> <p>Thence</p> <p>S.89°55'E., on true line bet. secs. 28 and 33.</p> <p>Over E. slope, through scattering timber and undergrowth, desc. 253 ft.</p> <p>20.30 Creek, 30 lks. wide, water in pools, course S.10°E.; asc., 148 ft. over SW. slope.</p> <p>35.80 Spur, slopes S.; desc. 195 ft. over E. slope.</p> <p>39.92 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, and in a mound of stone to top,</p>
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Chains

for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\frac{1}{4} \begin{array}{l} \text{S } 28 \\ \text{S } 33 \end{array}$$

1931

from which
A cedar, 8 ins. in diam., brs. N. 50°00'W., 50 lks. dist.,
mkd. $\frac{1}{4}$ S28 BT.

No other suitable accessory.

A house brs. N. 13°15'E.

51.50 Cottonwood Creek, bed of creek 50 lks. wide, 4 lks. of
water, course S. 20°E.; asc. 368 ft. over W. slope.

77.40 Ridge, brs. N. and S.; desc. 120 ft. over NE. slope.

79.84 The cor. of secs. 27, 28, 33 and 34.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, scattering cedar and sycamore; undergrowth, oak,
mesquite, and cactus.

East, on true line, bet. secs. 27 and 34.

Over NE. slope, through scattering timber and undergrowth,
desc. 88 ft.

4.09 Intersect the Arizona-New Mexico State Bdy. Line.

Set an iron post, 3 ft. long, 2 ins. in diam., on surface
rock, with a stone mkd. X, deposited at base, and in a
mound of stone to top, for closing cor. of secs. 27 and
34, with brass cap marked
$$\begin{array}{c} \text{T5S} \\ \text{S27} \text{---} \text{N} \\ \text{CC} \text{---} \text{S34} \text{---} \text{MEX} \\ \text{R32E} \end{array}$$

1931

From this point, the state bdy. monument No. 279, brs.
S. 0°01'E., 44.57 chs. dist., hereinbefore described.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, scattering cedar; undergrowth, oak, mesquite and
cactus.At midpoint on the E. bdy. of sec. 34, on the Arizona-
New Mexico State Bdy. Line.Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in
the ground to bedrock, with a stone mkd. X, deposited at
base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor.,
with brass cap marked
$$\frac{1}{4} \begin{array}{l} \text{S34} \text{---} \text{N} \\ \text{---} \text{MEX} \end{array}$$

1931

From this point, the State Bdy. monument, No. 279, brs.

SUBDIVISION OF FRACTIONAL T. 5 S., R. 32 E.

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Chains	<p>S.0°01'W., 4.62 chs. dist., hereinbefore described.</p> <hr/> <p>From the cor. of secs. 27, 28, 33 and 34.</p> <p>N.0°02'E., bet. secs. 27 and 28.</p> <p>Over NE. slope, through scattering timber and undergrowth, desc. 60 ft.</p> <p>1.90 Gulch, course E.</p> <p>6.70 Draw, drains SE.; asc. 211 ft. over S. slope.</p> <p>9.90 Slopes changes to SE.</p> <p>19.00 Spur, slopes S.70°E.; desc. 85 ft. over NE. slope.</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;"> $\begin{array}{c} \frac{3}{4} \\ \uparrow \\ \text{S28} \mid \text{S27} \\ \hline 1931 \end{array}$ </div> <p>42.90 Bend in draw, drains S.20°E., from N.60°E.; asc. 304 ft. over SE. slope.</p> <p>61.30 Ridge, brs. N.50°E. and S.50°W.; desc. 332 ft. over NW. slope.</p> <p>73.90 Draw, drains S.70°W.; asc. 139 ft. over SE. slope.</p> <p>75.90 Wire fence, brs. E. and W.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for cor. of secs. 21, 22, 27 and 28, with brass cap marked</p> <div style="text-align: center;"> $\begin{array}{c} \text{T5S} \mid \text{R32E} \\ \hline \text{S21} \mid \text{S22} \\ \hline \text{S28} \mid \text{S27} \\ \hline 1931 \end{array}$ </div> <p>Land, mountainous. Soil, rocky; 4th rate. Timber, scattering cedar; undergrowth, oak, mesquite and cactus.</p> <hr/> <p>N.89°55'W., on random line bet. secs. 21 and 28.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>79.84 Intersect N. and S. line at the cor. of secs. 20, 21, 28 and 29.</p> <p>Thence</p> <p>S.89°55'E., on true line bet. secs. 21 and 28.</p> <p>Over SE. slope, through scattering timber and undergrowth,</p>
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SUBDIVISION OF FRACTIONAL T. 5 S., R. 32 E.

- Chains desc. 97 ft.
- 4.10 Draw, drains S.; asc. 107 ft.
- 8.10 Spur, slopes S.; desc. 71 ft. over SE. slope.
- 13.50 Draw, drains S.; asc. 80 ft. over SW. slope.
- 18.40 Ridge, brs. N. and S.; desc. 322 ft. over SE. slope.
- 35.70 Cottonwood Creek, 30 lks. wide, water 6 lks. wide, course S.; asc. 207 ft. over SW. slope.
- 39.92 Set an iron post, 3 ft. long, 1 in. in diam., on surface rock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

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

1931

- 44.90 Spur, slopes S.; desc. 205 ft. over SE. slope.
- 53.60 Dry creek bed, 20 lks. wide, course SW.; asc. 311 ft. over NW. slope.
- 62.40 Spur, slopes SE.; desc. 194 ft. over SE. slope.
- 71.40 Draw, drains S.30°E.; asc. 134 ft. over W. slope.
- 78.40 Spur, slopes S.60°W.; desc. 28 ft. over SE. slope.
- 79.84 The cor. of secs. 21, 22, 27 and 28.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, scattering cedar; undergrowth, mesquite, oak and cactus.

East, on true line, bet. secs. 22 and 27.

Over SE. slope, through scattering timber and undergrowth, asc. 60 ft.

- 4.02 Intersect the Arizona-New Mexico State Bdy. Line.

Set an iron post, 3 ft. long, 2 ins. in diam., on surface rock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for closing cor. of secs. 22 and 27, with brass cap marked

$$\begin{array}{c} T5S \\ S22 \\ \hline CC \quad \frac{S27}{R32E} \quad N \\ \hline MEX \\ 1931 \end{array}$$

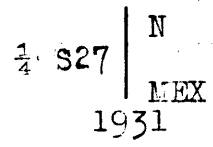
From the point of intersection, the State Bdy. monument No. 277, brs. N.0°01'W., 35.86 chs. dist., hereinbefore described.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, scattering cedar; undergrowth, oak, mesquite and cactus.

Chains

At midpoint on the E. bdy. of sec. 27, on the Arizona-New Mexico State Bdy. Line.

Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for 1/4 sec. cor. of sec. 27, only, with brass cap marked



From this point, the State Bdy. monument, No. 277, brs. N.0°01'W., 75.89 chs. dist., hereinbefore described.

From the cor. of secs. 21, 22, 27 and 28.

N.0°02'E., bet. secs. 21 and 22.

Over SE. slope, through scattering timber and undergrowth, asc. 20 ft.

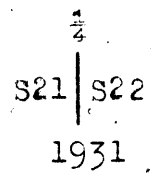
3.20 Saddle in spur, slopes S.20°W.; thence over SW. slope, asc. 120 ft.

12.80 Top of ascent; thence along W. slope.

23.40 Descend 202 ft. over NW. slope.

36.80 Creek, 20 lks. wide, water in pools; course S.80°W.; asc. 223 ft. over SW. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for 1/4 sec. cor., with brass cap marked

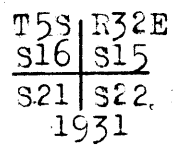


47.50 Descend slightly, over NW. slope.

54.30 Head of gulch, course SW.; asc. 207 ft. over SW. slope.

61.50 Spur, slopes SW.; desc. 248 ft. over NW. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam.; 15 ins. in the ground to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for cor. of secs. 15, 16, 21 and 22, with brass cap marked



Land, mountainous.
Soil, rocky; 4th rate.
Timber, scattering cedar; undergrowth, oak, mountain mahogany and cactus.

Chains
 N. 89°55'W., on random line, bet. secs. 16 and 21.

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

79.88 Intersect N. and S. line, 14 lks. N. of the cor. of secs. 16, 17, 20 and 21.

Thence
 N. 89°59'E., on true line, bet. secs. 16 and 21.

Over SW. slope, through scattering timber and undergrowth, asc. 50 ft.

0.30 Cliff 30 ft. high, faces S. 20°W.

0.70 Spur, slopes S. 70°E., desc. 504 ft. over NE. slope.

18.30 Cottonwood, Creek, 20 lks. wide, water 6 lks. wide, course S. 30°E., asc. 307 ft. over SW. slope.

32.30 Spur, slopes S. 10°E.; desc. 208 ft. over E. slope.

39.00 Draw, drains S.; asc. 380 ft. over W. slope.

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

$\frac{1}{4}$ $\frac{S 16}{S 21}$
 1931

raise a mound
 of stone, 3 ft. base, 2 ft. high, N. of cor.

54.10 Ridge, brs. N. and S.; desc. 225 ft. over E. slope.

63.10 Gulch, course S. 5°E.; thence along S. slope.

71.00 Descend 86 ft. over SE. slope.

73.50 Gulch, course S. 20°E.

79.40 Dry bed of creek, 20 lks. wide, course S. 40°W.; asc. 20 ft. over NW. slope.

79.98 The cor. of secs. 15, 16, 21 and 22.

Land, mountainous.
 Soil, rocky; 4th rate.
 Timber, scattering cedar and oak; undergrowth, mountain mahogany, mesquite and cactus.

East, on true line, bet. secs. 15 and 22.

Over NW. slope, through scattering timber and undergrowth, asc. 78 ft.

4.09 Intersect the Arizona-New Mexico State Bdy. Line.

Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for closing cor. of secs. 15 and 22, with brass cap marked

T5S
 S15 | N
 CC --- | MEX
 S22
 R32E
 1931

SUBDIVISION OF FRACTIONAL T. 5 S., R. 32 E.

BOOK 3917

Chains

From point of intersection, the State Bdy. monument No. 276, brs. N.0°10'E., 34.39 chs. dist., hereinbefore described.

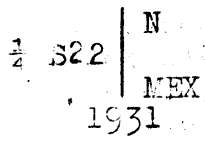
Land, mountainous.

Soil, rocky; 4th rate.

Timber, scattering cedar, juniper and oak; undergrowth, mountain mahogany, mesquite and cactus.

At midpoint on E. bdy. of sec. 22, on Arizona-New Mexico State Bdy. line

Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, with a stone mkd. X, deposited at base, and in a mound of stone to top, for 1/4 sec. cor. of sec. 22 only, with brass cap marked



From this point, the State Bdy. Monument No. 277 brs. S. 0°10'W., 4.15 chs. dist., hereinbefore described.

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

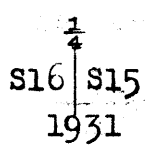
N.0°02'E., bet. secs. 15 and 16.

Desc. 15 ft. over NW. slope; through scattering timber and undergrowth.

1.60 Dry creek, 20 lks. wide, course SW.; asc. 1024 ft. over general SE. slope, to ridge.

15.50 Gulch, course S.20°E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.



from which

A pinon, 8 ins. diam., bears N.61°E., 130 lks. dist., mkd. 1/4 S15 BT.

A pinon, 12 ins. diam., bears N.23°W., 165 lks. dist., mkd. 1/4 S16 BT.

57.30 Ridge, bears NE. and SW.; desc. 312 ft. over NW. slope.

71.00 Dry creek, 20 lks. wide, course SW.; asc. 322 ft. over SE. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for cor. of secs. 9, 10, 15 and 16, with brass cap mkd.

SUBDIVISION OF FRACTIONAL T. 5 S., R. 32 E.

chains

T5SR32E

S 9	S10
S16	S15

1931

from which

A juniper, 8 ins. diam., bears N.55°E., 91 lks. dist.,
mkd. T5S R32E S10 BT.

A pinon, 7 ins. diam., bears S.29 $\frac{3}{4}$ °E., 46 lks. dist.,
mkd. T5S R32E S15 BT.

A pinon, 10 ins. diam., bears S.11 $\frac{3}{4}$ °W., 165 lks. dist.,
mkd. T5S R32E S16 BT.

A pinon, 10 ins. diam., bears N.19 $\frac{1}{2}$ °W., 191 lks. dist.,
mkd. T5S R32E S9 BT.

Land: mountainous.

Soil: rocky, 4th rate.

Timber: pinon, cedar, juniper, oak. Undergrowth: oak,
mahogany, cacti.

S.89°59'W., on a random line, bet. secs. 9 and 16.

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

79.78 Intersect N. and S. line, 2 lks. N. of the cor. of secs.
8, 9, 16, and 17.

Thence

N.89°58'E., on true line, bet. secs. 9 and 16.

Over rolling-mountainous land; through timber and under-
growth.

8.90 Dry creek, 20 lks. wide, course S.60°W.; asc. 1019 ft.
over NW. slope, to ridge.

39.89 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
ground to bedrock, and in a mound of stone to top, for
 $\frac{1}{4}$ sec. cor., with brass cap mkd.

S9
$\frac{1}{4}$ S16

1931

from which

An oak, 5 ins. diam., bears S.42°W., 8 lks. dist.,
mkd. $\frac{1}{4}$ S16 BT.

A pinon, 6 ins. diam., bears N.57°W., 23 lks. dist.,
mkd. $\frac{1}{4}$ S9 BT.

66.80 Ridge, bears N.60°E. and S.60°W.; desc. 294 ft. over SE.
slope.

79.78 The cor. of secs. 9, 10, 15, and 16.

Land: mountainous.

Soil: rocky, 4th rate.

Timber: oak, pinon, cedar, juniper. Undergrowth: oak,
mahogany.

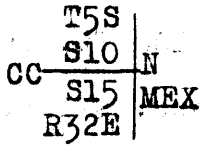
Chains

East, on true line, bet. secs. 10 and 15.

Desc. 126 ft. over SE. slope; through scattering timber and undergrowth.

4.11 Intersect the Arizona-New Mexico State Bdy. Line.

Set an iron post, 3 ft. long, 2 ins. diam., over a cross (+) cut on surface rock, in a mound of stone to top, for closing cor. of frac. secs. 10 and 15, with brass cap mkd.



1931

from which

A pinon, 10 ins. diam., bears S.8°W., 148 lks. dist., mkd. T5S R32E S15 CC BT.

A juniper, 10 ins. diam., bears N.0½°W., 265 lks. dist., mkd. T5S R32E S10 CC BT.

From point of intersection, the State Bdy. monument No. 276 bears S.0°02'E., 45.65 chs. dist., hereinbefore described.

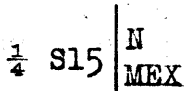
Land: mountainous.

Soil: rocky, 4th rate.

Timber: oak, juniper, cedar, pinon. Undergrowth: oak, mahogany.

At mid-point on the E. bdy. of sec. 15, on the Arizona-New Mexico State Bdy. Line

Set an iron post, 3 ft. long, 1 in. diam., on exposed surface rock, with a stone mkd. with cross (+) deposited at base, and in a mound of stone to top, for ¼ sec. cor. of frac. sec., 15, only, with brass cap mkd.



1931

From this point, the State Bdy. monument No. 276 bears S.0°02'E., 5.63 chs. dist.; hereinbefore described.

From the cor. of secs. 9, 10, 15, and 16. N.0°02'E., bet. secs. 9 and 10.

Asc. 500 ft. over SE. slope; through scattering timber and undergrowth.

12.30 Ridge, bears NE. and SW.; desc. 400 ft. over NW. slope.

18.50 Draw, drains SW.; asc. 650 ft. over general SE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to bedrock, and in a mound of stone to top, for ¼ sec. cor., with brass cap mkd.

SUBDIVISIONS OF FRACTIONAL T.5 S., R.32 E.

Chains

$$\begin{array}{c} \frac{1}{4} \\ \text{S9} | \text{S10} \\ 1931 \end{array}$$

from which

A pinon, 12 ins. diam., bears N.15°E., 22 lks. dist.,
mkd. $\frac{1}{4}$ S10 BT.

A pinon, 14 ins. diam., bears S.30°W., 11 lks. dist.,
mkd. $\frac{1}{4}$ S9 BT.

45.00 Slope changes; desc. 100 ft. over NE. slope.

59.00 Ravine, course SE.; asc. slightly.

60.00 Spur, slopes S.70°W.; desc. 60 ft.

71.00 Gulch, course W.; thence over broken W. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the
ground to bedrock, and in a mound of stone to top, for
cor. of secs. 3, 4, 9, and 10, with brass cap mkd.

T5SR32E

$$\begin{array}{c} \text{S4} | \text{S3} \\ \text{S9} | \text{S10} \\ 1931 \end{array}$$

from which

A juniper, 6 ins. diam., bears N.79°E., 57 lks. dist.,
mkd. T5S R32E S3 BT.

A juniper, 12 ins. diam., bears S.58°E., 54 lks. dist.,
mkd. T5S R32E S10 BT.

A juniper, 5 ins. diam., bears S.26 $\frac{1}{2}$ °W., 53 lks. dist.,
mkd. T5S R32E S9 BT.

A juniper, 14 ins. diam., bears N.25°W., 17 lks. dist.,
mkd. T5S R32E S4 BT.

Land: mountainous.

Soil: stony, 4th rate.

Timber: juniper, pinon, oak. Undergrowth: oak, mahogany.

S.89°58'W., on random line, bet. secs. 4 and 9.

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

80.16 Intersect the cor. of secs. 4, 5, 8, and 9.

Thence

N.89°58'E., on true line, bet. secs. 4 and 9.

Desc. 522 ft. over general E. slope; through scattering
timber and undergrowth.

37.65 Draw, drains S.60°E.; asc. 174 ft. over SW. slope.

40.08 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
ground to bedrock, and in a mound of stone to top, for
 $\frac{1}{4}$ sec. cor., with brass cap mkd.

Chains

$\frac{1}{4} S 4$
 $\frac{1}{4} S 9$
1931

from which

A juniper, 10 ins. diam., bears N.66°E., 116 lks. dist., mkd. $\frac{1}{4}$ S4 BT.

A juniper, 6 ins. diam., bears S.52°E., 55 lks. dist., mkd. $\frac{1}{4}$ S9 BT.

50.25 Head of ravine, course S.

56.85 Spur, slopes S.; desc. 75 ft. over SE. slope.

75.65 Draw, drains SW.; asc. 105 ft. over W. slope.

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

Land: mountainous.

Soil: stony, 4th rate.

Timber: cedar, juniper, pinon, oak. Undergrowth: oak, mahogany, cacti.

East, on true line, bet. secs. 3 and 10.

Asc. 105 ft. over NW. slope; thru scattering timber and undergrowth.

4,02 Intersect the Arizona-New Mexico State Bdy. Line.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, for closing cor. of frac. secs. 3 and 10, with brass cap mkd.

T5S
S 3 N
CC S10 MEX
R32E
1931

from which

A pinon, 10 ins. diam., bears N.74°W., 136 lks. dist., mkd. T5S R32E S3 CC BT.

A juniper, 10 ins. diam., bears S.83 $\frac{1}{2}$ °W., 93 lks. dist., mkd. T5S R32E S10 CC BT.

From point of intersection, the State Bdy. monument No. 274 bears N.0°02'W., 31.51 chs. dist.; hereinbefore described.

Land: mountainous.

Soil: stony, 4th rate.

Timber: cedar, pinon, juniper, oak. Undergrowth: oak, mahogany, cactus.

At mid-point on the E. bdy. of sec. 10, on the Arizona-New Mexico State Bdy. Line

SUBDIVISION OF FRACTIONAL T.5 S., R.32 E.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, with a stone, mkd. with cross (+), deposited at base, and in a mound of stone to top, for 1/4 sec. cor. of frac. sec. 10, only, with brass cap mkd.

1/4 S10 | N
MEX
1931

From this point the State Bdy. monument No.274 bears N.0°02'W., 71.51 chs. dist., hereinbefore described.

At a point on the E. bdy. of frac. sec. 3, 40.00 chs. in latitude N. of the closing cor. of frac. secs. 3 and 10, on the Arizona-New Mexico State Bdy. Line

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, for 1/4 sec. cor. of frac. sec. 3, only, with brass cap mkd.

1/4 S3 | N
MEX
1931

from which

A pinon, 7 ins. diam., bears N.62°W., 43 lks. dist., mkd. 1/4 S3 BT.

A pinon, 9 ins. diam., bears S.2°W., 33 lks. dist., mkd. 1/4 S3 BT.

From the point the State Bdy. monument No.274 bears South, 8.49 chs. dist., hereinbefore described.

From the cor. of secs. 3,4,9, and 10.

N.0°03'W., on random line, bet. secs. 3 and 4.

40.00 Set temp. 1/4 sec. cor.

80.09 Intersect N. bdy. of Tp., 10 lks. W. of the cor. of secs. 3,4,33, and 34, hereinbefore described.

Thence

S.0°02'W., on true line, bet. secs. 3 and 4.

Desc. 250 ft. over SW. slope; through scattering timber and undergrowth.

21.10 Gulch, course N.70°W.

26.10 Draw, drains NW.; asc. 300 ft. over NE. slope.

40.09 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, for 1/4 sec. cor., with brass cap mkd.

1/4
S4 | S3
1931

Chains

from which

A pine, 18 ins. diam., bears S.26°E., 48 lks. dist.,
mkd. $\frac{1}{4}$ S3 BT.

A pine, 6 ins. diam., bears N.39 $\frac{1}{4}$ °W., 51 lks. dist.,
mkd. $\frac{1}{4}$ S4 BT.

63.60 Saddle in divide, bears NW. and SE.; desc. 250 ft. over
S. slope.

76.10 Gulch, course W.; asc. slightly.

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

Land: mountainous.
Soil: stony, 4th rate.
Timber: pine, juniper, oak. Undergrowth: oak, mahogany.

FINAL TEST OF SOLAR ATTACHMENT

May 21, 1931, on the meridian described on page 3, hereof,
at 9^h00^m a.m., app.t., set off 32°57 $\frac{1}{2}$ ' on the lat. arc
and 20°05 $\frac{1}{2}$ ' N. on the decl. arc, and orient the instru-
ment with the solar; the line of sight agrees with the
meridian established by Polaris observation.

At 3^h00^m p.m., app.t., set off 32°57 $\frac{1}{2}$ ' on the lat. arc
and 20°08 $\frac{1}{2}$ ' N. on the decl. arc, and repeat the test of
the solar; the line of sight agrees with the meridian
established by Polaris observation.

May 21, 1931

GENERAL DESCRIPTION

T.5 S., R.32 E. is mountainous land, with generally
shallow soil. Its highest point is Mineral Hill, elev.
7457, in sec. 4.

The drainage is south and west except for parts of
secs. 3 and 4, which drain to the NW.

There is a small amount of pine timber in secs. 3 and
4; the area has been logged off several years ago. There
is also considerable juniper, cedar, and oak, all of
small size, suitable only for fuel and fencing. The
usual varieties of high altitude Arizona undergrowth
are present, seldom dense on account of the shallowness
of the soil.

There are no roads in the township. The nearest point
on a road is in sec. 36 of the township to the west.

There are three settlers in the township, each with
very modest improvements.

No mineral was observed.

There are no permanent streams.

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Charles E. Hunter U.S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer, for Group 161, Arizona bearing date of the 9th day of June, 1930, 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 all those parts or portions of

the Arizona-New Mexico State Boundary Line
and surveyed all those parts or portions of
the North Boundary and
Subdivision Lines of

Fractional Township 5 South, Range 32 East of the Gila and Salt
River Base and Meridian, in the State of Arizona, which are represented in

the foregoing field notes ^{and by diagram on page 2 hereof} as having been executed by me, and under my direction; and that all the corners of said retracement and survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the District Cadastral Engineer, for Group 161, Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such retracement and survey.

Place: Phoenix, Arizona.
Date: February 15, 1932.

Charles E. Hunter
U.S. Transitman.

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colo., April 2, 1932.

The foregoing field notes of the retracement of
Part of the Arizona-New Mexico State Boundary Line
and of the survey of
the North Boundary and
Subdivision Lines of

Fractional Township 5 South, Range 32 East
of the Gila and Salt River Base and Meridian, in the State of Arizona

executed by Charles E. Hunter, U.S. Transitman
under his special instructions dated June 9, 1930 for Group 161, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements and surveys they describe, are hereby approved.

Wm. H. Johnson
U. S. Supervisor of Surveys.

~~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. Supervisor of Surveys.~~