

3651

Book "D"

4-679

BOOK 3651

FIELD NOTES

Re-
OF THE SURVEY OF THE

South Boundary, and

West Boundary,

AND OF THE SURVEY OF THE

Subdivision lines

of

TOWNSHIP 12 SOUTH, RANGE 31 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

F.W.Chapin

In the capacity of U. S. Surveyor, under Special Instructions dated December 16, 1921, issued by the United States Surveyor General to govern surveys included in Group No. 119, Arizona, which were approved by the Commissioner of the General Land Office, February 2, 1922, and Assignment Instructions dated Nov. 20, 1922

Resurvey & Survey commenced December 12, 1922

Resurvey & Survey completed January 4, 1923

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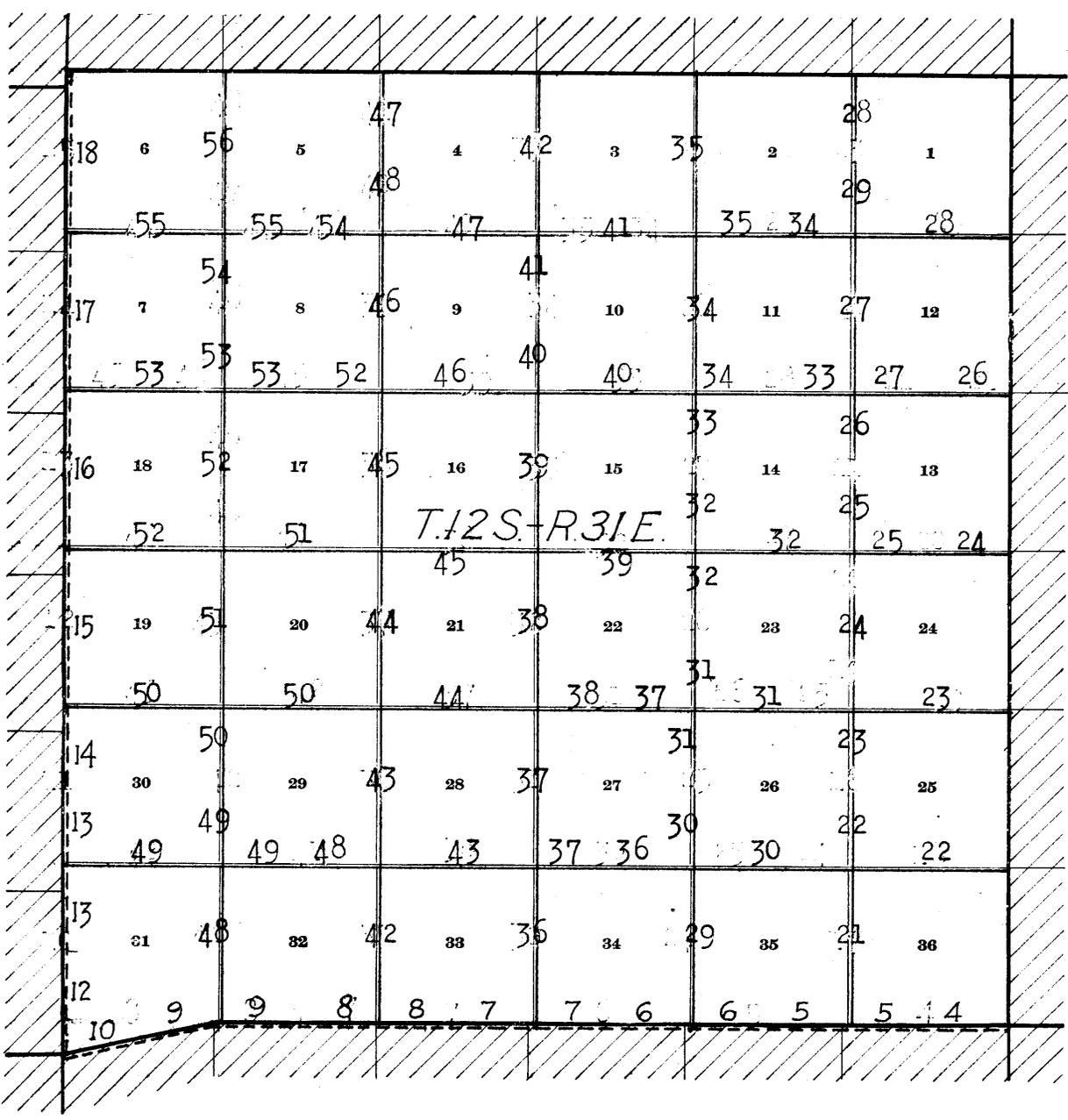
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Book "D"
Group 119 - -Arizona.

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INDEX DIAGRAM.



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

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Group 119 - - - Arizona.

Township 12 South, Range 31 East.

DATE DIAGRAM.

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12-29-22	1-3-23	1-2-23	1-3-23	12-22-22	1-4-23	12-18-22	12-19-22	12-19-22
12-27-22	12-29-22	1-2-23	12-26-22	12-22-22	12-18-22	12-21-22	12-19-22	12-19-22
12-26-22	12-27-22	12-26-22	12-21-22	12-21-22	12-18-22	12-15-22	12-19-22	12-24-22
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12-20-22	12-20-22	12-20-22	12-16-22	12-13-22	12-12-22	12-12-22	12-12-22	12-12-22

- Indicates surveys executed by F. W. Chapin, U.S.S., on dates shown thereon.
- Indicates resurveys executed by F.W. Chapin, U.S.S., on dates shown thereon.
- Indicates accepted surveys.

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Resurveys and surveys herein described were executed by F.W. Chapin, U.S. Surveyor on dates shown on diagram on page 1 hereof, using Buff solar transit No. 9984. The instrument is equipped with a full vertical circle and the improved Smith solar attachment.

Dec. 8, 1922.

Examine the adjustment of the instrument and correct all errors, then to test the indications of the solar attachment resulting from solar observations made during a.m. and p.m. hours by comparing them with a meridian determined by observations on Polaris proceed as follows:

In camp near the center of sec. 24, T. 12 S., R. 31 E., Gila and Salt River Base and Meridian, Arizona, in latitude $32^{\circ}22'14''$ N., and longitude $109^{\circ}8'$ W. of Greenwich, at 9h. 00m. a.m., app. t., set off $32^{\circ}22'$ on the latitude arc; $22^{\circ}39\frac{1}{2}'$ S. on the declination arc, and determine a meridian with the solar and mark a point in same on a stake driven firmly in the ground 10 chs. N. of my station.

At app. noon with the latitude arc unchanged, observe the sun on the meridian, the resulting reading of the declination arc is $22^{\circ}40\frac{1}{2}'$ S., which agrees with the computed declination of the sun.

The latitude obtained by making direct and reversed observation on the sun with the main telescope equals $32^{\circ}22'09''$ which agrees within 10" of the computed lat.

At 3h. 00m. p.m. app. t., with the latitude arc unchanged, set off $22^{\circ}41'$ S. on the declination arc, and determine a meridian with the solar which agrees with the one obtained by a.m. observation.

At the same station at 4h. 39m., p.m., 1.mt., make an hour angle observation on Polaris east of the meridian two each with the telescope in direct and reversed positions, reading the horizontal deflection angles from the stake in the meridian obtained with the solar.

Watch time of observation equals 4h. 56m. p.m.

Mean horizontal angle from Polaris to stake equals $1^{\circ}6'$, which agrees with the computed azimuth of Polaris.

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

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

Resurvey of the South Boundary of T. 12 S., R. 31 E.

Chains The south boundary of T. 12 S., R. 31 E., was surveyed by R. C. Powers, U. S. D. S., in 1883. The E. $\frac{1}{2}$ of the S. bdy. of sec. 36 was resurveyed by William B. Kimmel, U. S. S. in 1914. No other resurveys or retracements are of record. The existing cors. have a common reference to areas North and South of the line. The following notes describe a resurvey of the entire line changing some existing cors. to refer to areas on the S. only, reestablishing missing cors. at proportionate distances for areas to the S. and establishing a new set of cors. at intervals of 40.00 chs. in westing from the $\frac{1}{4}$ sec. cor. of secs. 1 and 36, and from the cor. of secs. 4, 5, 32 and 33 for the areas N. of the line. The E. $\frac{1}{2}$ of S. bdy. of sec. 36 being within allowable limit of error in measurement the $\frac{1}{4}$ sec. cor. of secs. 1 and 36 retains its original reference to the quarters in both secs. The original cor. of secs. 4, 5, 32 and 33, being 320.00 chs. in westing from Tp. cor., the sec. cor. retains its original reference to four secs., and the S. bdy. of sec. 33 being within allowable limits of error in measurement the $\frac{1}{4}$ sec. cor. of said sec. is established at the mid-point.

Retracement for Resurvey.

- From the reestab. cor. of Ts. 12 and 13 S., R. 31 E., and frac. Ts. 12 and 13 S., R. 32 E., hereinafter described
- 39.90 S. $89^{\circ} 24' W.$, on random line, bet. secs. 1 and 36 (E. $\frac{1}{2}$)
Intersect the original $\frac{1}{4}$ sec. cor. hereinafter described.
True course and distance of E. $\frac{1}{2}$ of S. bdy. of sec. 36 are therefore S. $89^{\circ} 24' W.$, 39.90 chs.
- Thence
- 40.40 N. $89^{\circ} 52' W.$, on random line on N. bdy. of sec. 1. (W. $\frac{1}{2}$)
Fall 5 lks. S. of the original cor. of secs. 1, 2, 35 and 36 hereinafter described.
True course and distance of W. $\frac{1}{2}$ of N. bdy. of sec. 1 are therefore N. $89^{\circ} 48' W.$, 40.40 chs.
-
- From original cor. of secs. 1, 2, 35 and 36.
- 40.24 N. $89^{\circ} 52' W.$, on random line on N. bdy. of sec. 2 (E. $\frac{1}{2}$)
Fall 11 lks. N. of the original $\frac{1}{4}$ sec. cor. of secs. 2 and 35, hereinafter described.
True course and distance of E. $\frac{1}{2}$ of N. bdy. of sec. 2 are therefore S. $89^{\circ} 59' W.$, 40.24 chs.
- Thence
- 40.08 N. $89^{\circ} 52' W.$, on random line on N. bdy. of sec. 2 (W. $\frac{1}{2}$)
Fall 37 lks. N. of the original cor. of secs. 2, 3, 34 and 35, hereinafter described.
True course and distance of W. $\frac{1}{2}$ of N. bdy. of sec. 2, are therefore S. $89^{\circ} 36' W.$, 40.08 chs.
-
- From original cor. of secs. 2, 3, 34 and 35.
- 40.02 N. $89^{\circ} 52' W.$, on random line on N. bdy. of sec. 3 (E. $\frac{1}{2}$)
Fall 80 lks. N. of the original $\frac{1}{4}$ sec. cor. of secs. 3 and 34 hereinafter described.
True course and distance of E. $\frac{1}{2}$ of N. bdy. of sec. 3 are therefore S. $88^{\circ} 59' W.$, 40.03 chs.
- Thence
- 40.16 N. $89^{\circ} 52' W.$, on random line on N. bdy. of sec. 3 (W. $\frac{1}{2}$)
Fall 52 lks. N. of the original cor. of secs. 3, 4, 33 and 34, hereinafter described.
True course and distance of W. $\frac{1}{2}$ of N. bdy. of sec. 3 are therefore S. $89^{\circ} 23' W.$, 40.16 chs.

Resurvey of the South Boundary of T. 12 S., R. 31 E.

Retracement for Resurvey.

Chains From the original cor. of secs. 3, 4, 33 and 34.
N. 89° 52' W., on random line on N. bdy. of sec. 4.
40.00 Diligent search in this vicinity fails to reveal any
trace of the original $\frac{1}{4}$ sec. cor. of secs. 4 and 33.
Set temp. $\frac{1}{4}$ sec. cor. and continue line and measurement.
79.21 Fall 121 lks. N. of the original cor. of secs. 4, 5, 32
and 33, hereinafter described.
True course and distance of N. bdy. of sec. 4 are there-
fore S. 89° 16' W., 79.22 chs.

From original cor. of secs. 4, 5, 32 and 33.
N. 89° 52' W., on random line on N. bdy. of sec. 5
40.00 Diligent search in this vicinity fails to reveal any
trace of the original $\frac{1}{4}$ sec. cor. of secs. 5 and 32.
Set temp. $\frac{1}{4}$ sec. cor. and continue line and measurement.
80.49 Fall 61 lks. S. of the orig. cor. of secs. 5, 6, 31 and
32, hereinafter described.
True course and distance of N. bdy. of sec. 5 are there-
fore N. 89° 26' W., 80.49 chs.

From original cor. of secs. 5, 6, 31 and 32.
N. 89° 52' W., on random line on N. bdy. of sec. 6.
40.00 Diligent search in this vicinity fails to reveal any
trace of the original $\frac{1}{4}$ sec. cor. of secs. 6 and 31.
Set temp. $\frac{1}{4}$ sec. cor. and continue line and measurement.
80.96 Fall 10.13 chs. N. of the cor. of Ts. 12 and 13 S., Rs.
30 and 31 E.
True course and distance of N. bdy. of sec. 6 are there-
fore S. 83° 00' W., 81.57 chs.

RESURVEY.

The cor. of Ts. 12 and 13 S., R. 31 E., and Fractional
Ts. 12 and 13 S., R. 32 E., reestablished by W. B.
Kimmel, U. S. S. in 1914, is an iron post, 3 ins. in
diam. projecting 36 ins. above ground, properly mark-
ed on brass cap firmly set in a mound of stone and
witnessed by a mound of stone S. of cor. No bearing
trees.

Thence

S. 89° 24' W., on a true line, on S. bdy. of sec. 36 (E. $\frac{1}{2}$)
Over mountainous land, thru scattering undergrowth.
Desc. 10 ft. over W. slope to
.47 Top of cliff, 80 ft. high, bearing N. and S. facing W.
Desc. 288 ft. over W. slope.
15.15 Wash, 10 lks. wide, course SW. Desc. 31 ft. over SW.
slope to
22.00 Edge of valley, bears N. and S. Enter rolling land.
Desc. 58 ft. over W. slope.
37.00 Wash, 10 lks. wide, course SW. Desc. gradually over SW.
slope to
39.90 Intersect the original $\frac{1}{4}$ sec. cor. of secs. 1 and 36,
which is a porphyry stone 6 x 5 x 5 ins. above ground,
firmly set and properly mkd. No accessories visible.
Reconstruct this cor. as follows:
Alongside old stone set an iron post, 3 ft. long, 1
in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor.
of secs. 1 and 36, marked on brass cap

$\frac{1}{4}$ S 36
S 1
1922

No bearing trees available.

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

Thence

N. 89° 48' W., on a true line, on S. bdy. of sec. 36 (W. $\frac{1}{2}$)

Over rolling land, thru scattering undergrowth. Desc.
gradually over S. slope.

Resurvey of the South Boundary of T. 12 S., R. 31 E.

Chains

- 30.50 Low spur, slopes SW. Desc. 26 ft. over W. slope
- 34.20 Wash, 10 lks. wide, course SW. Asc. 18 ft. over SE. slope
- 38.00 Low spur, slopes SW. Desc. gradually over W. slope to
- 40.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for reestablished cor. of secs. 35 and 36 only, marked on brass cap

T 12 S R 31 E
S 35 | S 36
 S 1
 T 13 S R 31 E
 1922

No bearing trees available.
 Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor. Land; mountainous and rolling.
 Soil; gravelly loam, 2nd and 3d rate.
 Timber; none.
 Undergrowth; greasewood and ocotillo.

- 0.40 N. 89° 48' W., on true line on S. bdy. of sec. 35. Over rolling land, thru scattering undergrowth. Desc. gradually over W. slope to (40.40 chs. N. 89° 48' W. from ¼ sec. cor. of secs. 1 and 36)
- Intersect the original cor. of secs. 1, 2, 35 and 36, which is a porphyry stone 10 x 8 x 8 ins. above ground, properly marked and witnessed by a mound of stone W. of cor. No bearing trees.
- Reconstruct this cor. as follows:
 Alongside old stone, set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 1 and 2 only, marked on brass cap

T 12 S R 31 E
S 35
S 2 | S 1
 T 13 S R 31 E
 1922

- No bearing trees available.
- Destroy old mound of stone W. of cor. and raise a new mound of stone, 2 ft. base, 1½ ft. high S. of cor.
- Thence S. 89° 59' W., on true line continuing measurement of S. bdy. of sec. 35.
- Desc. gradually over W. and SW. slope to
- 28.20 Wash, 40 lks. wide, course SW. Descend gradually over SW. slope to ¼ sec. cor.
- 33.50 Old road, bears N. and S.
- 39.40 Road, San Simon to McKenzie Ranch, bears N. and S.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished cor. of sec. 35 only, marked on brass cap

¼ S 35
 1922

- No bearing trees available.
- Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
- Desc. slightly over SW. slope to
- 40.64 (40.24 chs. S. 89° 59' W., from cor. of secs. 1 and 2)
- Intersect the original ¼ sec. cor. of secs. 2 and 35, which is a granite stone, 8 x 8 x 6 ins. above ground, firmly set, properly marked and witnessed by a mound of stone N. of cor. No bearing trees. Reconstruct this cor. as follows:
 Alongside old cor. stone, set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor. of

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Resurvey of the South Boundary of T. 12 S., R. 31 E.

Chains sec. 2 only, marked on brass cap

$$\frac{1}{4} S 2$$
 1922

No bearing trees available.

Destroy the old md. of stone N. of cor. and raise a new md. of stone, 2 ft. base, 1½ ft. high S. of cor.

Thence

S. 89° 36' W., on true line, continuing measurement of S. bdy. of sec. 35. Desc. grad. over SW. slope.

43.84 Wash, 20 lks. wide, course SW. Asc. 30 ft. over SE. slope.

57.74 Low divide, bears NE. and SW. Desc. 40 ft. over NW. slope to

75.00 Ascend gradually over SE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground to bed rock, deposit a stone mkd. with a cross (X) at base of post and raise a md. of stone around post, for reestablished cor. of secs. 34 and 35 only, marked on brass cap,

$$\begin{array}{r} T 12 S R 31 E \\ \underline{S 34 | S 35} \\ S 2 \\ T 13 S R 31 E \\ 1922 \end{array}$$

No bearing trees available.

Land; rolling.

Soil, rocky, 3d rate.

Timber; none.

Undergrowth; greasewood and ocotillo.

0.72 S. 89° 36' W., on true line, on S. bdy. of sec. 34. Over rolling land, thru scattering undergrowth. Ascend gradually over SE. slope to. (40.08 chs. S. 89° 36' W. from ¼ sec. cor. of sec. 2.) Intersect the original cor. of secs. 2, 3, 34 and 35, which is a granite stone, 10 x 8 x 8 ins. above ground firmly set properly marked, and witnessed by a mound of stone N. of cor. No bearing trees. Reconstruct this cor. as follows:
Alongside old stone, set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, deposit a stone mkd. with a cross (X) at base of post and raise a md. of stone around post, for cor. of secs. 2 and 3 only, marked on brass cap

$$\begin{array}{r} T 12 S R 31 E \\ \underline{S 34} \\ S 3 | S 2 \\ T 13 S R 31 E \\ 1922 \end{array}$$

No bearing trees available.

Destroy the old mound of stone, N. of cor.

Thence

S. 88° 59' W., on true line, continuing measurement of S. bdy. of sec. 34. Ascend gradually over SE. slope.

3.72 Spur, slopes SW. Desc. 170 ft. over W. slope to.

40.01 (40.00 chs. westing from cor. of secs. 34 and 35).

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished ¼ sec. cor. of sec. 34 only, marked on brass cap

$$\frac{1}{4} S 34$$
 1922

Resurvey of the South Boundary of T. 12 S., R. 31 E.

Chains No bearing trees available.
 Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
 Descend slightly over W. slope to
 40.75 (40.03 chs. S. 88° 59' W. from cor. of secs. 2 and 3).
 Intersect original ¼ sec. cor. of secs. 3 and 34, which
 is a granite stone 15 x 10 x 6 ins. above ground,
 firmly set, properly marked, and witnessed by a mound
 of stone N. of cor. No bearing trees. Reconstruct
 this cor. as follows:
 Alongside old stone set an iron post, 3 ft. long, 1 in.
 in diam., 12 ins. in the ground to bed rock, deposit
 a stone mkd. with a cross (X) at base of post and
 raise a md. of stone around post for ¼ sec. cor. of
 sec. 3 only, marked on brass cap

¼ S 3
 1922

No bearing trees available.
 Destroy the old mound of stone N. of cor.
 Thence
 S. 89° 23' W., on true line, continuing measurement of
 S. bdy. of sec. 34. Desc. slightly over W. slope.
 41.64 Wash, 10 lks. wide, course NW. Desc. gradually over
 NW. slope to
 63.93 Wash, 20 lks. wide, course SW. Rocky peak bears N. about
 10 chs. dist. Desc. gradually over S. and SW. slopes
 to
 78.34 Same wash, course NW. Enter level land in San Simon
 Valley.
 80.01 (80.00 chs. westing from cor. of secs. 34 & 35)
 Set an iron post, 3 ft. long, 2 ins. in diam., 25 ins. in
 the ground for reestablished cor. of secs. 33 and 34
 only marked on brass cap

T 12 S R 31 E
 S 33 | S 34
 S 3
 T 13 S R 31 E
 1922

No bearing trees available.
 Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
 Land; rolling, gently rolling and level.
 Soil; rocky, 3d rate.
 Timber; none.
 Undergrowth; greasewood and ocotillo.

S. 89° 23' W., on true line, on S. bdy. of sec. 33.
 Over level land, thru scattering undergrowth, in San
 Simon Valley.
 0.90 (40.16 chs. S. 89° 23' W. from ¼ sec. cor. of sec. 3)
 Intersect original cor. of secs. 3, 4, 33 and 34, which
 is a porphyry stone, 8 x 8 x 7 ins. above ground,
 firmly set, properly marked, and witnessed by a mound
 of stone N. of cor. No bearing trees. Reconstruct
 this cor. as follows:
 Alongside old stone, set an iron post, 3 ft. long, 2 ins.
 in diam., 26 ins. in the ground for cor. of secs. 3
 and 4 only, marked on brass cap

T 12 S R 31 E
 S 33
 S 4 | S 3
 T 13 S R 31 E
 1922

- Chains No bearing trees available.
Destroy old md. of stone N. of cor. and raise a new mound
of stone 2 ft. base, $1\frac{1}{2}$ ft. high S. of cor.
- Thence
S. $89^{\circ} 16'$ W., on true line continuing measurement of S.
bdy. of sec. 33
- 40.06 (Midpoint of S. bdy. of Sec. 33)
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground for reestablished $\frac{1}{4}$ sec. cor. of sec. 33
only marked on brass cap
- $\frac{1}{4}$ S 33
1922
- No bearing trees available.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of
cor.
- 40.51 Continue over level land thru scattering undergrowth.
(Midpoint of N. bdy. of sec. 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. 4
only marked on brass cap
- $\frac{1}{4}$ S 4
1922
- No bearing trees available.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high S. of
cor.
- 76.90 Wash, 10 lks. wide, course SW.
- 80.12 (79.22 chs. S. $89^{\circ} 16'$ W. from cor. of secs. 3 and 4)
Intersect original cor. of secs. 4, 5, 32 and 33, which
is a granite stone, 10 x 8 x 6 ins. above ground,
firmly set, properly marked, and witnessed by a mound
of stone N. of cor. No bearing trees. Reconstruct
this cor. as follows:
Alongside of old stone, set an iron post, 3 ft. long,
2 ins. in diam., 26 ins. in the ground for cor. of
secs. 4, 5, 32 and 33, marked on brass cap
- T 12 S R 31 E
S 32 | S 33
S 5 | S 4
T 13 S
1922
- No bearing trees available.
Destroy old mound of stone N. of cor. and raise a new
mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
Land; level.
Soil; gravelly, 3d rate.
Timber; none.
Undergrowth; greasewood and catclaw.
-
- N. $89^{\circ} 26'$ W., on true line on S. bdy. of sec. 32.
Over level land, thru scattering undergrowth, in San
Simon Valley.
- 9.00 Wash, 30 lks. wide, course SW.
- 20.50 Wash; 30 lks. wide, 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. 32
only marked on brass cap
- $\frac{1}{4}$ S 32
1922
- No bearing trees available.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
Continue over level land thru scattering undergrowth.

Resurvey of the South Boundary of T. 12 S., R. 31 E.

Chains

40.24 Midpoint of N. bdy. of sec. 5.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished $\frac{1}{4}$ sec. cor. of sec. 5 only, marked on brass cap

$\frac{1}{4}$ S 5
1922

No bearing trees available.

80.00 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high S. of cor.
Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, deposit a stone mkd. with a cross (X) at base of post and raise a md. of stone around post for reestablished cor. of secs. 31 and 32 only, marked on brass cap

T 12 S R 31 E
S 31 | S 32
S 5
T 13 S R 31 E
1922

No bearing trees available.

Land; level.

Soil; gravelly loam, 3d rate.

Timber; none.

Undergrowth; greasewood and scrub mesquite.

0.49 N. 89° 26' W., on true line, on S. bdy. of sec. 31.
Over nearly level land, sloping slightly to the SW., thru scattering undergrowth, in San Simon valley.
(80.49 chs. N. 89° 26' W., from cor. of secs. 4, 5, 32 and 33).

Intersect original cor. of secs. 5, 6, 31 and 32 which is a trachyte stone 12 x 8 x 8 ins. above ground, firmly set properly marked and witnessed by a mound of stone, N. of cor. No bearing trees. Reconstruct this cor. as follows:

Alongside of old stone set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, deposit a stone mkd. with a cross (X) at base of post and raise a mound of stone around post for cor. of secs. 5 and 6 only, marked on brass cap

T 12 S R 31 E
S 31
S 6 | S 5
T 13 S R 31 E
1922

No bearing trees available. Destroy old mound of stone N. of cor.

Thence

40.30 S. 83° 00' W., on true line, continuing measurement of S. bdy. of sec. 31.
(40.00 chs. in westing from cor. of secs. 31 and 32)
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for reestablished $\frac{1}{4}$ sec. cor. of sec. 31 only marked on brass cap

$\frac{1}{4}$ S 31
1922

No bearing trees available.

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

Chains Continue over nearly level land, sloping slightly to the SW., thru scattering undergrowth.
 41.89 (Proportional dist. of 41.40 chs. S. 83° 00' W., from cor. of secs. 5 and 6).
 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. 6 only, marked on brass cap

$\frac{1}{4}$ S 6
 1922

No bearing trees available.

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

82.06 Intersect the cor. of Ts. 12 and 13 S., Rs. 30 and 31 E., reestablished by Lewis Wolfley U. S. D. S. in 1884, which is a pine post, 4 ins. square, projecting 15 ins. above ground firmly set and properly marked. No accessories visible.

Reconstruct this cor. as follows:

Alongside of old wood post, set an iron post, 3 ft. long, 3 ins. in diam., 26 ins. in the ground for cor. of Ts. 12 and 13 S., Rs. 30 and 31 E., marked on brass cap

T 12 S
 R 30 E | R 31 E
 S 36 | S 31
 S 1 | S 6
 T 13 S
 1922

No bearing trees available.

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

Land; nearly level.

Soil; gravelly loam, 3d rate.

Timber; none.

Undergrowth; greasewood and scrub mesquite.

Resurvey of the West Boundary of T. 12 S., R. 31 E.

Chains The West bdy. of T. 12 S., R. 31 E., was surveyed by Lewis Wolfley, U. S. D. S., in 1884 monumenting the corners with a common reference to areas both sides of the line. The N. bdy. of T. 12 S., R. 31 E., was surveyed due west by A. B. Rich, U. S. S., in 1916, and said bdy. intersected the range line at 8.77 chs. N. $0^{\circ} 20'$ E., from the original cor. of Ts. 11 and 12 S., Rs. 30 and 31 E., thus changing the reference of the original cors. on the range line, to areas W. of the line only. A. B. Rich, U. S. S. resurveyed the range line E. of T. 11 S., R. 30 E., in 1916, but no retracement or resurvey of the line thru T. 12 S., is of record. The following notes describe a resurvey of the W. bdy. of T. 12 S., R. 31 E., reconstructing the old cors. by setting an iron post alongside each one with brass cap marked with reference to areas W. of the line only, and establishing a new set of cors. at intervals of 40.00 chs. ⁱⁿ northing from the reestablished cor. of secs. 30 and 31, monumenting each cor. with an iron post with brass cap properly marked for reference to areas E. of the line only. The cor. of secs. 30 and 31 is reestablished at point of intersection of a Sectional Correction Line surveyed due West thru T. 12 S., R. 31 E., with the range line, and the $\frac{1}{4}$ sec. cor. of sec. 31 is reestablished at 40.00 chs. in southing from said cor. of secs. 30 and 31.

RETRACEMENT FOR RESURVEY.

- From the cor. of Ts. 12 and 13 S., Rs. 30 and 31 E., hereinbefore described.
- 40.14 North, on random line on E. bdy. of sec. 36 ($S. \frac{1}{2}$).
Fall 21 lks. W. of original $\frac{1}{4}$ sec. cor. of secs. 31 and 36, hereinafter described.
True course and distance of $S. \frac{1}{2}$ of E. bdy. of sec. 36 are therefore N. $0^{\circ} 18'$ E., 40.14 chs.
Thence
- 40.10 North, on random line on E. bdy. of sec. 36 ($N. \frac{1}{2}$)
Fall 28 lks. W. of original cor. of secs. 25, 30, 31 and 36, hereinafter described.
True course and distance of $N. \frac{1}{2}$ of E. bdy. of sec. 36 are therefore N. $0^{\circ} 24'$ E., 40.10 chs.
-
- From original cor. of secs. 25, 30, 31 and 36.
- 40.02 North, on random line on E. bdy. of sec. 25 ($S. \frac{1}{2}$).
Fall 22 lks. W. of original $\frac{1}{4}$ sec. cor. of secs. 25 and 30 hereinafter described.
True course and distance of $S. \frac{1}{2}$ of E. bdy. of sec. 25 are therefore N. $0^{\circ} 19'$ E., 40.02 chs.
Thence
- 40.03 North, on random line on E. bdy. of sec. 25 ($N. \frac{1}{2}$).
Fall 29 lks. W. of original cor. of secs. 19, 24, 25 and 30, hereinafter described.
True course and distance of $N. \frac{1}{2}$ of E. bdy. of sec. 25 are therefore N. $0^{\circ} 25'$ E., 40.03 chs.
-
- From the original cor. of secs. 19, 24, 25 and 30.
- 40.02 North, on random line on E. bdy. of sec. 24 ($S. \frac{1}{2}$).
Fall 21 lks. W. of original $\frac{1}{4}$ sec. cor. of secs. 19 and 24 hereinafter described.
True course and distance of $S. \frac{1}{2}$ of E. bdy. of sec. 24 are therefore N. $0^{\circ} 18'$ E., 40.02 chs.
Thence
- 40.02 North, on random line on E. bdy. of sec. 24 ($N. \frac{1}{2}$).
Fall 22 lks. W. of original cor. of secs. 13, 18, 19 and 24 hereinafter described.
True course and distance of $N. \frac{1}{2}$ of E. bdy. of sec. 24 are therefore N. $0^{\circ} 19'$ E., 40.02 chs.

Resurvey of the West Boundary of T. 12 S., R. 31 E.

RETRACEMENT FOR RESURVEY.

- Chains From original cor. of secs. 13, 18, 19 and 24.
North, on random line on E. bdy. of sec. 13 (S. $\frac{1}{2}$)
- 40.00 Fall 23 lks. W. of original $\frac{1}{4}$ sec. cor. of secs. 13 and 18 hereinafter described.
True course and distance of S. $\frac{1}{2}$ of E. bdy. of sec. 13 are therefore N. $0^{\circ} 20'$ E., 40.00 chs.
Thence
- 40.00 North, on random line on E. bdy. of sec. 13 (N. $\frac{1}{2}$)
Fall 23 lks. W. of original cor. of secs. 7, 12, 13 and 18 hereinafter described.
True course and distance of N. $\frac{1}{2}$ of E. bdy. of sec. 13, are therefore N. $0^{\circ} 20'$ E., 40.00 chs.
-
- From original cor. of secs. 7, 12, 13 and 18.
North, on random line on E. bdy. of sec. 12 (S. $\frac{1}{2}$).
40.02 Fall 20 lks. W. of original $\frac{1}{4}$ sec. cor. of secs. 7 and 12 hereinafter described.
True course and distance of S. $\frac{1}{2}$ of E. bdy. of sec. 12 are therefore N. $0^{\circ} 17'$ E., 40.02 chs.
Thence
- 40.63 North, on random line on E. bdy. of sec. 12 (N. $\frac{1}{2}$).
Fall 6 lks. E. of original cor. of secs. 1, 6, 7 and 12 hereinafter described.
True course and distance of N. $\frac{1}{2}$ of E. bdy. of sec. 12 are therefore N. $0^{\circ} 5'$ W., 40.63 chs.
-
- From original cor. of secs. 1, 6, 7 and 12,
North, on random line on E. bdy. of sec. 1 (S. $\frac{1}{2}$).
40.86 Fall 15 lks. W. of original $\frac{1}{4}$ sec. cor. of secs. 1 and 6 hereinafter described.
True course and distance of S. $\frac{1}{2}$ of E. bdy. of sec. 1 are therefore N. $0^{\circ} 13'$ E., 40.86 chs.
Thence
- 40.54 North, on random line on E. bdy. of sec. 1 (N. $\frac{1}{2}$).
Intersect the cor. of Ts. 11 and 12 S., R. 30 E., hereinafter described.
True course and distance of N. $\frac{1}{2}$ of E. bdy. of sec. 1 are therefore North, 40.54 chs.
-
- From cor. of Ts. 11 and 12 S., R. 30 E.
N. $0^{\circ} 20'$ E., on random line, on part of E. bdy. of sec. 36, T. 11 S., R. 30 E.
8.77 Intersect the closing cor. of Ts. 11 and 12 S., R. 31 E., hereinafter described.
True course and distance of this part of the E. bdy. of sec. 36 are therefore N. $0^{\circ} 20'$ E., 8.77 chs.

RESURVEY.

- From the cor. of Ts. 12 and 13 S., Rs. 30 and 31 E., hereinafter described,
N. $0^{\circ} 18'$ E., on a true line on W. bdy. sec. 31.
Over nearly level land, sloping slightly to the SW., thru scattering undergrowth, in San Simon Valley.
21.75 Wash, 40 lks. wide, 2 ft. deep, course SW.
40.14 Intersect original $\frac{1}{4}$ sec. cor. of secs. 31 and 36, which is an igneous stone 9 x 9 x 8 ins. above ground, firmly set and marked $\frac{1}{4}$ on W. face. No accessories visible.
Alongside old stone set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec. 36 only, marked on brass cap

$\frac{1}{4}$
S 36
1922

No bearing trees available.

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

Resurvey of the West Boundary of T. 12 S., R. 31 E.

Chains Thence
 N. 0° 24' E., on true line continuing measurement of W.
 bdy. of sec. 31.
 51.73 (40.00 chs. in southing from cor. of secs. 30 and 31).
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for reestablished $\frac{1}{4}$ sec. cor. of sec. 31
 only marked on brass cap

$\frac{1}{4}$
 | S 31
 1922

No bearing trees available.
 Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
 Continue over nearly level land, thru scattering under-
 growth, in San Simon Valley.

65.71 Road, bears NE. and SW.
 80.24 (40.10 chs. N. 0° 24' E., from $\frac{1}{4}$ sec. cor. of sec. 36)
 Intersect original cor. of secs. 25, 30, 31 and 36,
 which is a malpais stone 10 x 8 x 6 ins. above ground,
 firmly set, marked with 1 notch on S. face and 5
 notches on N. face. No accessories visible.

Reconstruct this cor. as follows:
 Alongside old stone, set an iron post, 3 ft. long, 2 ins.
 in diam., 26 ins. in the ground, for cor. of secs.
 25 and 36 only marked on brass cap

T 12 S		T 12 S
R 30 E		R 31 E
S 25		S 31
S 30		
1922		

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

N. 0° 19' E., on true line, continuing measurement of W.
 bdy. of sec. 31.
 82.54 Wash, 10 lks. wide, course SW.
 91.73 (Point of intersection of Sectional Correction Line)
 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
 the ground, for reestablished cor. of secs. 30 and 31
 only, marked on brass cap

T 12 S		T 12 S
R 30 E		R 31 E
S 25		S 30
		S 31
1922		

No bearing trees available.
 Raise a md. of stone, 2 ft. base, 1½ ft. high E. of cor.
 Land; nearly level.
 Soil; gravelly, 3d rate.
 Timber; none.
 Undergrowth; greasewood, scrub mesquite, yucca and cactus.

 From reestablished cor. of secs. 30 and 31,
 N. 0° 19' E., on true line on W. bdy. of Sec. 30.
 Over nearly level land, sloping slightly to the SW., thru
 scattering undergrowth in San Simon Valley.

9.41 Wash, 20 lks. wide, 2 ft. deep, course SW.
 18.10 Wash, 30 lks. wide, 5 ft. deep, course SW.
 25.20 Wash, 10 lks. wide, 3 ft. deep, course SW.
 28.53 (40.02 chs. N. 0° 19' E., from cor. of secs. 25 and 36).
 Intersect original $\frac{1}{4}$ sec. cor. of secs. 25 and 30, which
 is a malpais stone 9 x 8 x 4 ins. above ground, firm-
 ly set and marked $\frac{1}{4}$ on W. face. No accessories visible.

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Resurvey of the West Boundary of T. 12 S., R. 31 E.

Chains

Reconstruct this cor. as follows:

Alongside old stone, set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec. 25 only, marked on brass cap

$$\begin{array}{c} \frac{1}{4} \\ \hline S 25 \\ 1922 \end{array}$$

No bearing trees available.

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

N. $0^{\circ} 25'$ E., on a true line continuing measurement of W: bdy. of sec. 30.

37.55 Wash, 20 lks. wide, 4 ft. deep, 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. 30 only, marked on brass cap

$$\begin{array}{c} \frac{1}{4} \\ \hline S 30 \\ 1922 \end{array}$$

No bearing trees available.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor. Continue over nearly level land, sloping slightly to the SW., thru scattering undergrowth, in San Simon Valley.

65.53 Wash, 20 lks. wide, 3 ft. deep, course SW.

68.56 (40.03 chs. N. $0^{\circ} 25'$ E., from $\frac{1}{4}$ sec. cor. of sec. 25).

Intersect original cor. of secs. 19, 24, 25 and 30, which is a volcanic stone 10 x 8 x 8 ins. above ground, firmly set, and properly marked. No accessories visible. Reconstruct this cor. as follows:

Alongside old stone, set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 24 and 25 only, marked on brass cap

$$\begin{array}{c|c} T 12 S & T 12 S \\ R 30 E & R 31 E \\ \hline S 24 & S 30 \\ \hline S 25 & \\ 1922 & \end{array}$$

No bearing trees available.

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

Thence

N. $0^{\circ} 18'$ E., on true line, continuing measurement of W: bdy. of sec. 30.

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

$$\begin{array}{c|c} & T 12 S \\ T 12 S & R 31 E \\ R 30 E & S 19 \\ \hline S 24 & S 30 \\ 1922 & \end{array}$$

No bearing trees available.

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor. Land; nearly level.

Soil; gravelly and rocky, 3d rate.

Timber; none.

Undergrowth; greasewood, and scrub mesquite.

Resurvey of the West Boundary of T. 12 S., R. 31 E.

Chains N. 0° 18' E., on a true line on W. bdy. sec. 19.
 Over nearly level land, sloping slightly to the SW.,
 thru scattering undergrowth, in San Simon Valley.
 14.10 Wash, 20 lks. wide, 4 ft. deep, course SW.
 28.58 (40.02 chs. N. 0° 18' E., from cor. of secs. 24 and 25)
 Intersect original $\frac{1}{4}$ sec. cor. of secs. 19 and 24, which
 is a granite stone, 8 x 6 x 6 ins. above ground, firmly
 set and properly marked. No accessories. Reconstruct
 this cor. as follows:
 Alongside old stone, set an iron post, 3 ft. long, 1 in in
 diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec.
 24, only, marked on brass cap.

$\frac{1}{4}$
 S 24
 1922

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

Thence

N. 0° 19' E., on a true line continuing measurement of
 W. bdy. of sec. 19.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
 the ground for reestablished $\frac{1}{4}$ sec. cor., of sec. 19
 only, marked on brass cap

$\frac{1}{4}$
 S 19
 1922

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

Continue over nearly level land in San Simon Valley,
 sloping slightly to the SW.

.67.28 Wash, 10 lks. wide, 4 ft. deep, course SW.
 68.60 (40.02 chs. N. 0° 19' E., from $\frac{1}{4}$ sec. cor. of sec. 24.)
 Intersect original cor. of secs. 13, 18, 19 and 24, which
 is a granite stone, 10 x 8 x 8 ins. above ground,
 firmly set and properly marked. No accessories. Re-
 construct this cor. as follows:

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

T 12 S T 12 S
 R 30 E R 31 E
 S 13 S 19
 S 24
 1922

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

Thence

N. 0° 20' E., on true line, continuing measurement of
 W. bdy. of sec. 19.

71.50 Wash, 10 lks. wide, 3 ft. deep, course SW.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins.
 in the ground for reestablished cor. of secs. 18 and
 19 only, marked on brass cap

T 12 S T 12 S
 R 30 E R 31 E
 S 13 S 18
 S 19
 1922

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

Land; nearly level.

Soil; gravelly and rocky, 3d rate.

Timber; none.

Undergrowth; greasewood.

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Resurvey of the West Boundary of T. 12 S., R. 31 E.

Chains N. 0° 20' E., on a true line on W. bdy. sec. 18.
 Over nearly level land, sloping slightly to the SW., thru
 scattering undergrowth, in San Simon Valley.
 8.60 Wash, 100 lks. wide, 5 ft. deep, course SW.
 28.60 (40.00 chs. N. 0° 20' E., from cor. of secs. 13 and 24).
 Intersect original $\frac{1}{4}$ sec. cor. of secs. 13 and 18, which
 is a malpais stone 6 x 6 x 5 ins. above ground, firm-
 ly set and properly marked. No accessories. Recon-
 struct this cor. as follows:
 Alongside old stone, set an iron post, 3 ft. long, 1 in.
 in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. of
 sec. 13 only, marked on brass cap.

$$\begin{array}{r} \frac{1}{4} \\ | \\ S 13 \\ \hline 1922 \end{array}$$

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

Continue line and measurement.

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

$$\begin{array}{r} \frac{1}{4} \\ | \\ S 18 \\ \hline 1922 \end{array}$$

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

Continue over nearly level land, sloping slightly to
 the SW., thru scattering undergrowth, in San Simon
 Valley.

68.60 (40.00 chs. N. 0° 20' E., from $\frac{1}{4}$ sec. cor. of sec. 13).
 Intersect original cor. of secs. 7, 12, 13 and 18, which
 is a granite stone, 12 x 10 x 5 ins. above ground,
 firmly set, properly marked and witnessed by a mound
 of stone W. of cor. No bearing trees. Reconstruct
 this cor. as follows:
 Alongside old stone, set an iron post, 3 ft. long, 2 ins.
 diam., 15 ins. in the ground to bed rock, deposit a
 stone marked with a cross (X) at base of post and
 raise a md. of stone around post, for cor. of secs.
 12 and 13 only, marked on brass cap

$$\begin{array}{r} T 12 S \quad T 12 S \\ R 30 E \quad R 31 E \\ S 12 \quad S 18 \\ \hline S 13 \\ \hline 1922 \end{array}$$

No bearing trees available.

Thence

N. 0° 17' E., on true line, continuing measurement of
 W. bdy. of sec. 18.

78.60 Wash, 20 lks. wide, course W.

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

$$\begin{array}{r} T 12 S \quad T 12 S \\ R 30 E \quad R 31 E \\ S 12 \quad S 7 \\ \hline S 18 \\ \hline 1922 \end{array}$$

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

Land; nearly level.

Soil; gravelly and rocky, 3d rate.

Timber; none.

Undergrowth; greasewood.

Resurvey of the West Boundary of T. 12 S., R. 31 E.

Chains N. 0° 17' E., on a true line on W. bdy. of sec. 7.
Over nearly level land, sloping slightly to the SW.,
thru scattering undergrowth, in San Simon Valley.

3.40 Wash, 20 lks. wide, course SW.

28.62 (40.02 chs. N. 0° 17' E., from the cor. of secs. 12 and 13)
Intersect original $\frac{1}{4}$ sec. cor. of secs. 7 and 12, which is
a malpais stone, 6 x 6 x 5 ins. above ground, firmly
set and properly marked and witnessed by a mound of
stone W. of cor. No bearing trees. Reconstruct
this cor. as follows:
Alongside old stone, set an iron post, 3 ft. long, 1 in.
in diam., 18 ins. in the ground to bed rock, deposit
a stone, mkd. with a cross (X) at base of post and
raise a md. of stone around post for $\frac{1}{4}$ sec. cor. of
sec. 12 only, marked on brass cap:

$\frac{1}{4}$ |
 S 12 |
 1922

No bearing trees available.
Thence
N. 0° 5' W., on a true line, continuing measurement of
W. bdy. of sec. 7.

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. 7
only, marked on brass cap

$\frac{1}{4}$ |
 S 7 |
 1922

No bearing trees available. Raise a mound of stone, 2
ft. base, $1\frac{1}{2}$ ft. high E. of cor.
Continue over nearly level land, sloping slightly to
the SW., thru scattering undergrowth

53.62 Leave San Simon Valley. Enter gently rolling land. Asc.
23 ft. over SW. slope.

58.32 Low spur, slopes SE. Asc. gradually over E. slope to

64.47 Wash, 20 lks. wide, course SE. Enter mountainous land.
Asc. 100 ft. over steep SW. slope to

69.25 (40.63 chs. N. 0° 5' W. from $\frac{1}{4}$ sec. cor. of sec. 12)
Intersect original cor. of secs. 1, 6, 7 and 12, which
is a granite stone, 24 x 8 x 5 ins. above ground,
firmly set and properly marked. No accessories. Re-
construct this cor. as follows:
Alongside old stone, set an iron post, 3 ft. long, 2 ins.
in diam., 8 ins. in the ground to bed rock, deposit
a stone mkd. with a cross (X) at base of post and
raise a md. of stone around post, for cor. of secs. 1
and 12 only, marked on brass cap

T 12 S T 12 S
 R 30 E R 31 E
 S 1 S 7
 S 12 |
 1922

No bearing trees available.
Thence,
N. 0° 13' E., on true line, continuing measurement of
W. bdy. of sec. 7.
Over mountainous land, thru scattering undergrowth. Asc.
290 ft. over steep SW. slope to

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

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Resurvey of the West Boundary of T. 12 S., R. 31 E.

Chains

T 12 S	T 12 S
R 30 E	R 31 E
S 1	S 6
	S 7
1922	

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

Land; nearly level, gently rolling and mountainous.

Soil; gravelly and rocky, 3d and 4th rate.

Timber; none.

Undergrowth; greasewood and ocotillo.

N. $0^{\circ} 13'$ E., on a true line on W. bdy. of sec. 6. Over mountainous land, through scattering undergrowth. Asc. 70 ft. over SW. slope to

6.25 Ridge, bears SE. and NW. Desc. 80 ft. over N. slope

14.00 Head of wash, course NW. Asc. 30 ft. over SW. slope

16.62 Spur, slopes NW. Desc. 300 ft. over steep N. slope to

30.11 (40.86 chs. N. $0^{\circ} 13'$ E., from cor. of secs. 1 and 12)

Intersect original $\frac{1}{4}$ sec. cor. of secs. 1 and 6, which is a granite stone, 8 x 8 x 8 ins. above ground, firmly set and properly marked, and witnessed by a mound of stone W. of cor. No bearing trees. Reconstruct this cor. as follows:

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

$\frac{1}{4}$	
S 1	
1922	

No bearing trees available. Rebuild the mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Thence

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

Desc. 85 ft. over N. slope.

38.86 Wash, 30 lks. wide, 10 ft. deep, course NW. Asc. 5 ft. over SW. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, deposit a stone mkd. with a cross (X) at base of post and raise a md. of stone around post for reestablished $\frac{1}{4}$ sec. cor. of sec. 6 only, marked on brass cap

$\frac{1}{4}$	
S 6	
1922	

No bearing trees available.

Asc. 40 ft. over SW. slope

45.00 Desc. gradually over NW. slope.

53.56 Wash, 100 lks. wide, 5 ft. deep, course NW. Asc. 80 ft. over SW. slope to

70.65 (40.54 chs. North from $\frac{1}{4}$ sec. cor. of sec. 1).

Intersect the cor. of Ts. 11 and 12 S., R. 30 E., which is a granite stone 18 x 15 x 8 ins. above ground, properly marked, firmly set and witnessed by a mound of stone W. of cor. No bearing trees.

Thence

N. $0^{\circ} 20'$ E., on true line, continuing measurement of W. bdy. of sec. 6. Ascend 215 ft. over SW. slope to

79.42 Intersect the original closing cor. of Ts. 11 and 12 S., R. 31 E., established by A. B. Rich, U. S. S., in 1916 which is an iron post, 3 ins. in diam., projecting 22 ins. above ground, firmly set in ground and md. of stone, properly mkd. on brass cap and witnessed by a md. of stone E. of cor. No bearing trees.

Resurvey of the West bdy.of Township 12 South, Range 31 E. 19

Land, mountainous.
Soil, rocky, 4th rate.
Timber, none.
Undergrowth, greasewood and ocotillo.

BOOK 3651

Resurvey of the West Boundary of T. 12 S., R. 31 E.

Chains

Boundaries of T. 12 S., R. 31 E.
Latitudes, departures and closing errors.

Line designated	True bearing.	Dist- ance	Latitudes		Departures.	
			N.	S.	E.	W.
South boundary	S.89°24'W.	39.90	.	.42		39.90
	N.89°48'W.	40.40	.14			40.40
	S.89°59'W.	40.24		.01		40.24
	S.89°36'W.	40.08		.28		40.08
	S.88°59'W.	40.03		.71		40.02
	S.89°23'W.	40.16		.43		40.16
	S.89°16'W.	79.22		1.02		79.21
	N.89°26'W.	80.49	.80			80.49
	S.83°00'W.	81.57		9.93		80.96
West Boundary	N.0° 18'E.	40.14	40.14		.21	
	N.0° 24'E.	40.10	40.10		.28	
	N.0° 19'E.	40.02	40.02		.22	
	N.0° 25'E.	40.03	40.03		.29	
	N.0° 18'E.	40.02	40.02		.21	
	N.0° 19'E.	40.02	40.02		.22	
	N.0° 20'E.	80.00	80.00		.46	
	N.0° 17'E.	40.02	40.02		.20	
	N.0° 5'W.	40.63	40.63			.06
	N.0° 13'E.	40.86	40.86		.15	
	North	40.54	40.54			
	N.0° 20'E.	8.77	8.77		.05	
North boundary	East	478.71			478.71	
East boundary	South	480.00		480.00		
Convergency					.46	
Totals			492.09	492.80	481.46	481.52
				492.09		481.46
	Error in latitude - - - -			0.71		
	Error in departure - - - -					0.06

Chains.

The south bdy. of this township is defective in alignment; therefore, preliminary to the survey of the subdivision lines of the township, survey a Sectional Correction Line due West, thru. the Tp., setting temp. cors. thereon at intervals of 40.00 chs., counting from the cor. of secs. 25, 30, 31 and 36 on E. bdy. The permanent sec. cors. on said correction line are then established at the several points of intersection of the meridional sec. lines surveyed in the normal manner from the S. bdy., and the permanent $\frac{1}{4}$ sec. cors. are then established at midpoints between the sec. cors., with the exception of the $\frac{1}{4}$ sec. cor. of secs. 30 and 31, which is established at 40.00 chs. west from the cor. of secs. 29, 30, 31 and 32.

The $\frac{1}{4}$ sec. cors. on the meridional sec. lines in the south tier of secs. of this Tp. are all established at 40.00 chs. from said Sectional Correction line.

From the reestablished cor. of secs. 35 and 36 on S. bdy. of Tp., hereinbefore described, N. 0° 1' W., on true line, bet. secs. 35 and 36. Over rolling land, thru. scattering undergrowth. Descend 31 ft. over W. and NW. slopes.

- 8.40 Road brs. NE. and SW.
- 13.68 Wash, 10 lks. wide, course SW.
- Ascend 21 ft. over S. slope.
- 15.00 Spur, slopes SW.
- Descend 25 ft. over NW. slope.
- 19.30 Wash, 10 lks. wide, course SW.
- Ascend 80 ft. over SE. slope.
- 38.20 Spur, slopes SW.
- Descend 10 ft. over NW. slope, to
- 40.11 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,

$\frac{1}{4}$
S35 | S36

1922

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

- 46.40 Descend 29 ft. over NW. slope.
- Wash, 20 lks. wide, course SW.
- Ascend 45 ft. over SE. slope.
- 53.90 Spur, slopes SW.
- Descend 40 ft. over NW. slope.
- 60.20 Wash, 20 lks. wide, course SW.
- Ascend 53 ft. over SE. slope.
- 65.70 Spur, slopes SW.
- Descend 44 ft. over NW. slope.
- 75.84 Wash, 20 lks. wide, course SW.
- Ascend 20 ft. over SE. slope, to
- 80.11 Intersect Sectional Correction line at a point 8 lks. E. of the temp. cor. of secs. 25, 30, 31 and 36.
- At point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post for cor. of secs. 25, 26, 35 and 36, marked on brass cap,

T12S R31E

S26 S25

S35 S36

1922

No bearing trees available.

Land, rolling.

Soil, gravelly, 3rd rate.

Timber, none.

Undergrowth, greasewood.

BOOK 3651

22 Survey of Subdivision lines of Township 12 South, Range 31 East.

Chains.

The cor. of secs. 25, 30, 31 and 36 on E. bdy. of Tp., established by W. B. Kimmel, U.S.S. in 1914 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,
West, on Sectional Correction Line, bet. secs. 25 and 36.
Over rolling land, thru. scattering undergrowth.
Descend slightly over NW. slope.

0.60 Wash, 6 lks. wide, course SW.
Descend gradually over SW. slope.

1.44 Road brs. NE. and SW.

9.74 Wash, 30 lks. wide, course SW.
Ascend 65 ft., over SE. slope.

16.50 Spur, slopes SW.
Descend 68 ft., over NW. slope, to

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

$\frac{1}{4}$ S 25
 S 36
 1922

No bearing trees available.
Descend 25 ft., over NW. slope, to

40.75 Wash, 10 lks. wide, course SW. Enter mountainous land.
Ascend 192 ft., over SE. slope.

56.40 Rocky spur, slopes SW.
Descend 220 ft., over steep NW. slope, to

68.30 Foot of steep descent, brs. NE and SW. Enter rolling land.
Descend 18 ft., over gradual NW. slope.

75.80 Wash, 20 lks. wide, course SW.
Ascend 13 ft., over SE. slope, to

79.92 The cor. of secs. 25, 26, 35 and 36.
Land, rolling and mountainous.
Soil, gravelly and rocky, 3rd and 4th rate.
Timber, none.
Undergrowth, greasewood and scrub mesquite.

N. 0° 1' W., bet. secs. 25 and 26.
Over rolling land, thru. scattering undergrowth.
Ascend 30 ft., over SE. slope.

5.00 Spur, slopes SW.
Descend 15 ft., over NW. slope.

10.00 Head of wash, course SW. Enter mountainous land.
Ascend 130 ft., over SW. slope.

18.30 Spur, slopes W.
Descend 115 ft., over NW. slope.

28.13 Wash, 10 lks. wide, course SW.
Ascend 26 ft., over SE. slope.

33.40 Spur, slopes SW.
Descend 27 ft., over NW. slope.

37.20 Wash, 10 lks. wide, course SW.
Ascend 14 ft., over SE. slope, to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
 S26 | S25
 1922

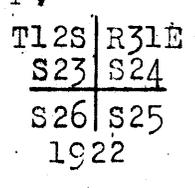
No bearing trees available.
Ascend 147 ft., over SE. slope, to

65.00 Spur, slopes NE. from McKenzie Peak. Saddle brs. NE. about 5 chs. dist.

Survey of Subdivision lines of Township 12 South Range 31 East. 23

Chains.

Top of McKensie Peak brs. SW., about 10 chs. dist.
 Descend 111 ft., over NW. slope.
 78.00 Ascend 12 ft., over SE. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in
 the ground to bed rock, deposit a stone marked with
 a cross (x) at base of post, and raise a mound of
 stone around post, for cor. of secs. 23, 24, 25 and 26,
 marked on brass cap,

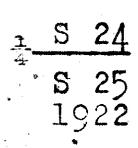


No bearing trees available.
 A granite boulder, brs. S. 89 $\frac{1}{2}$ ° E., 10 lks. dist.,
 marked with a cross (x) and S 25 B O
 above cross.
 Land, rolling and mountainous.
 Soil, rocky, 3rd and 4th rate,
 Timber, none.
 Undergrowth, greasewood and scrub mesquite.

40.00 East, on a random line, bet. secs. 24 and 25.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Fall 31 lks. N. of the cor. of secs. 19, 24, 25 and 30,
 on E. bdy. of Tp., established by W.B. Kimmel, U.S.S. in
 1914, which is an iron post, 2 ins. in diam., projecting
 32 ins. above ground, firmly set in ground, and mound
 of stone, properly marked on brass cap, and witnessed
 by a mound of stone, W. of cor. No bearing trees.

From this cor.,
 J.M. McKenzie's house brs. N. 28° W.

Thence,
 N. 89° 47' W., on a true line, bet. secs. 24 and 25.
 Over mountainous land, thru. scattering timber and under-
 growth.
 8.00 Ascend 179 ft., over NE. slope.
 Ridge, brs. SW. and NW.
 Descend 180 ft., over NW. slope.
 26.20 Wash, 20 lks. wide, course NW.
 Ascend 164 ft., over NE. slope.
 33.55 Spur. slopes NW.
 Descend 39 ft., over SW. slope, to
 39.95 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in
 the ground to bed rock, deposit a stone marked with
 a cross (x) at base of post, and raise a mound of
 stone around post, for $\frac{1}{4}$ sec. cor., marked on brass
 cap,



from which,
 A cedar, 6 ins. in diam., brs. N. 86° E., 78 lks.
 dist., marked $\frac{1}{4}$ S 24 BT.
 No other bearing trees available.

43.00 Descend 40 ft., over SW. slope.
 Wash, 10 lks. wide, course NW.
 Ascend 43 ft., over NE. slope.
 51.40 Spur. slopes NW.
 Descend 154 ft., over SW. slope, to
 57.00 Head of wash, course SW.
 Descend 40 ft., over S. slope.
 62.00 Spur. slopes SW.
 Descend 192 ft., over NW. slope.
 73.42 Road brs. N. and S.
 77.50 Head of wash, 10 lks. wide, course NW.
 Ascend 11 ft., over E. slope, to
 79.90 The cor. of secs. 23, 24, 25 and 26.

BOOK 3651

24. Survey of Subdivision lines of Township 12 South, Range 31 East.

Chains.

Land, mountainous.
Soil, rocky, 4th rate.
Timber, cedar and juniper.
Undergrowth, greasewood and ocotillo.

N.0°1'W., bet. secs. 23 and 24.
Over rolling land, thru. scattering undergrowth.
Descend 24 ft., over E. slope.
2.60 Wash, 10 lks. wide, course NW.
Ascend 24 ft., over SW. slope.
4.95 Descend 10 ft., over W. slope, to
15.00 Point of spur, slopes NW.
Descend 12 ft., over NW. slope.
19.70 Wash, 20 lks. wide, course NW.
Ascend 15 ft., over SW. slope.
33.00 Spur, slopes NW.
Descend 26 ft., over N. slope to $\frac{1}{4}$ sec. cor.
36.60 Road, brs. E. and W.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in
the ground to bed rock, deposit a stone marked with
a cross (x) at base of post, and raise a mound of stone
around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

1
S23 S24

1922

No bearing trees available.
Descend 8 ft., over N. slope.
41.90 Wash, 20 lks. wide, course NW.
Descend gradually over NW. slope, to
55.50 Center of wash, 100 lks. wide, course NW.
Ascend 23 ft., over SW. slope.
59.90 Low spur, slopes NW.
Descend 32 ft., over NE. slope.
67.35 Wash, 20 lks. wide, course NW.
Ascend 73 ft., over S. slope, to
80.00 Spur, slopes SW. Set an iron post, 3 ft. long, 2 ins. in
in diam., 10 ins. in the ground to bed rock, deposit
a stone, marked with a cross (x) at base of post, and
raise a mound of stone around post, for cor. of secs. 13,
14, 23 and 24, marked on brass cap,

T12S	R31E
S14	S13

S23	S24
-----	-----

1922

No bearing trees available.
Land, rolling.
Soil, gravelly, 3rd rate.
Timber, none.
Undergrowth, greasewood and catclaw.

S.89°47'E., on a random line, bet. secs. 13 and 24.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.92 Fall 15 lks. N. of the cor. of secs. 13, 18, 19 and 24 on E.
bdy. of Tp. established by W.B. Kimmel, U.S.S. in 1914,
which is an iron post, 3 ins. in diam., projecting 22
ins. above ground, firmly set in ground and mound of
stone, properly marked on brass cap, and witnessed
by a mound of stone, W. of cor.

No bearing trees.

Thence,
N.89°41'W., on a true line, bet. secs. 13 and 24.

Survey of Subdivision lines of Township 12 South, Range 31 East, 25

Chains.	
	Over rolling land, thru. scattering undergrowth. Descend 25 ft., over SW. slope.
6.50	Wash, 10 lks. wide, course SW. Ascend 28 ft., over SE. slope.
14.50	Low spur, slopes SW. Road, brs. NE. and SW. Descend 50 ft., over W. slope,
18.54	Fence cor. brs. N. about 50 lks. dist., from which fences extend W. and N. Fence cor. brs. S. about 50 lks. dist., from which fences extend W. and S.
23.00	Enter fenced lane, bearing E. and W. Wash, 10 lks. wide, course SW. Ascend 18 ft., over SE. slope, to
25.00	Descend 10 ft., over S. slope.
32.45	J.M. McKensie's house, brs. S. 12° 8' E.
35.00	Spur, slopes SW. Descend 23 ft., over W. slope.
39.96	Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap, <div style="text-align: center;"> $\frac{1}{4}$ S 13 S 24 1922 </div>
	No bearing trees available. Continue thru. fenced lane. Descend 26 ft., over W. slope.
41.42	Road, brs. NW. and SE.
53.00	Wash, 20 lks. wide, course SW. Ascend 49 ft., over SE. slope.
59.17	Fence cor. brs. N. about 50 lks. dist., from which fences extend E. and N. Fence cor. brs. S. about 50 lks. dist., from which fences extend E. and S.
	Leave fenced lane.
75.35	Descend 37 ft., over S. slope, to
79.92	The cor. of secs. 13, 14, 23 and 24 on spur, sloping SW. Land, rolling. Soil, gravelly, 3rd rate. Timber, none. Undergrowth, greasewood.

	N. 0° 1' W., bet. secs. 13 and 14. Over rolling land, thru. scattering undergrowth. Descend 40 ft., over NW. slope.
4.96	Wash, 20 lks. wide, course SW. Ascend 40 ft., over S. slope, to
15.00	Spur, slopes SW. Descend 50 ft., over NW. slope.
23.40	Wash, 20 lks. wide, course SW. Ascend 47 ft., over S. slope.
27.80	Spur, slopes SW. Descend 24 ft., over NW. slope, to
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, <div style="text-align: center;"> $\frac{1}{4}$ S14 S13 1922 </div>
	No bearing trees available. Raise a mound of stone, 2 ft. base, $\frac{1}{2}$ ft. high, W. of cor. Descend 8 ft. over NW. slope.
42.70	Wash, 30 lks. wide, course SW. Ascend gradually over SW. slope, to
48.40	Center of wash, 100 lks. wide, course SW.

BOOK 3651

26 Survey of Subdivision lines of T.12 S. R. 31 East.

Chains.

- 55.00 Ascend 15 ft., over SE. slope, to top of rocky butte brs. W., 2 chs. dist.
 Ascend 23 ft., over S. slope.
 60.00 Point of spur, slopes SE.
 Ascend 60 ft., over E. slope, to
 76.85 Wash, 10 lks. wide, course SE. near head. Enter mountainous land.
 Ascend 25 ft., over S. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 11, 12, 13 and 14, marked on brass cap,

T12S	R31E
S11	S12
S14	S13
1922	

No bearing trees available.
 Land, rolling and mountainous.
 Soil, gravelly and rocky, 3rd rate. Timber, none.
 Undergrowth, greasewood and ocotillo.

- 40.00 S. 89° 41' E., on a random line, bet. secs. 12 and 13.
 Set temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., established by W. B. Kimmel, U. S. S. in 1914, which is an iron post 3 ins. in diam., projecting 21 ins. above ground, firmly set in ground and mound of stone, properly marked on brass cap, and witnessed by a mound of stone W. of cor.
 No bearing trees.
 Thence,
 N. 89° 41' W., on a true line, bet. secs. 12 and 13.
 Over mountainous land, thru. scattering undergrowth.
 Ascend 20 ft., over SE. slope.
 3.40 Spur, slopes SW.
 Descend 100 ft., over W. slope.
 13.88 Fence brs. N. and S.
 14.80 Wash, 10 lks. wide, course SW. Enter rolling land.
 Ascend 80 ft., over SE. slope.
 31.19 Descend gradually over S. slope.
 31.25 Top of Iron Butte, brs. N. about 10 chs. dist.
 35.00 Spur, slopes SW.
 Descend 40 ft., over W. slope, to
 39.99 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 12
S 13
1922

- No bearing trees available.
 Descend 49 ft., over W. slope.
 45.00 Road, brs. NE. and SW.
 47.50 Wash, 40 lks. wide, course SW.
 Ascend 43 ft., over E. slope.
 59.82 Fence, brs. N. and S.
 60.00 Spur, slopes SE.
 Descend 10 ft., over SW. slope.
 63.90 Wash, 10 lks. wide, course SE.
 Ascend 53 ft., over SE. slope.
 75.00 Point of spur, slopes SW.
 Descend 12 ft., over W. slope.
 77.50 Wash, 10 lks. wide, course SW. near head. Enter mountainous land.

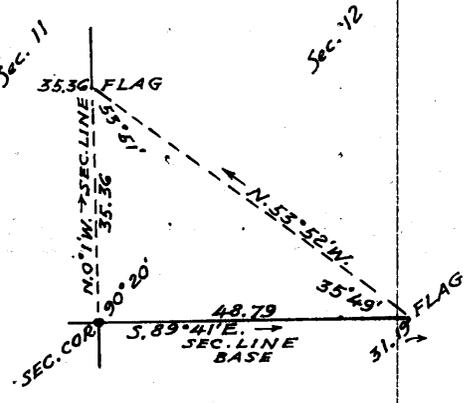
Survey of Subdivision lines of Township 12 South, Range 31 East. 27

Chains.

79.98 Ascend 12 ft., over S. slope, to
 The cor. of secs. 11, 12, 13 and 14.
 Land, mountainous and rolling.
 Soil, gravelly and rocky, 3rd rate.
 Timber, none.
 Undergrowth, greasewood and catclaw.

N.0°1'W., bet. secs. 11 and 12.
 Over mountainous land, thru. scattering undergrowth and
 very scattering timber.
 Precipitous ascent over cliffs prevents chaining measure-
 ment of the sec. line.
 Triangulate as described as follows:

Set one flag ahead on sec. line
 bet. secs. 11 and 12, and
 another flag at 31.19 ch. station
 on sec. line, bet. secs. 12 and 13.
 The Base for this triangulation
 is therefore S.89°41'E., 48.79
 chs. on the sec. line, bet. secs.
 12 and 13.
 From E. end of Base, the flag on
 sec. line bet. secs. 11 and 12,
 brs. N.53°52'W.
 From cor. of secs. 11, 12, 13 and 14,
 the vertical angle to flag
 N.0°1'W. is + 25½°.



35.36 Distance triangulated = 35.36 chs. N.0°1'W.
 Triangulation point, 1115 ft. above sec. cor.
 This point is on top of Midway Peak 5550 ft. above sea
 level, in the Orange Butte range of mountains, bearing
 NE. and W. from this point.

40.00 Continue line and measurement by chaining,
 Descend 92 ft., over N. slope, to
 Set an iron post 3 ft. long, 1 in. in diam., 6 ins. in
 the ground to bed rock, deposit a stone, marked with
 a cross (x) at base of post, and raise a mound of
 stone around post, for ¼ sec. cor., marked on brass
 cap,

S11 | S12
 1922

74.75 No bearing trees available.
 Descend 870 ft., over N. slope.
 Center of wash, 100 lks. wide, course SW. Enter rolling
 land.

80.00 Ascend 14 ft., over SW. slope, to
 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
 the ground for cor. of secs. 1, 2, 11 and 12, marked
 on brass cap,

T12S | R31E
 S 2 S 1
 S11 | S12
 1922

74.75 No bearing trees available.
 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 The house of Norman A. Foland brs. N.13°37'E.
 Land, mountainous and rolling.
 Soil, rocky, 4th rate.
 Timber, cedar.
 Undergrowth, ocotillo, catclaw and greasewood.

BOOK 3651

28 Survey of Subdivision lines of Township 12 South, Range 31 East.

Chains.

- S. $89^{\circ}41'E.$, on a random line, bet. secs. 1 and 12.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.93 Intersect the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., established by W. B. Kimmel, U.S.S. in 1914, which is an iron post, 3 ins. in diam., projecting 18 ins. above ground, firmly set in ground and mound of stone, properly marked on brass cap, and witnessed by a mound of stone, W. of cor.
 No bearing trees.
 Thence,
 N. $89^{\circ}41'W.$, on a true line, bet. secs. 1 and 12.
 Over mountainous land, thru. scattering timber and undergrowth.
 10.00 Descend 20 ft., over N. slope, to Spur, slopes NW.
 19.90 Descend 92 ft., over SW. slope, to Enter rolling land.
 31.73 Descend 24 ft., over SW. slope, to Wash, 30 lks. wide, course NW.
 Descend gradually over NW. slope.
 37.50 Road, brs. SE. and NW.
 39.50 Same wash, 30 lks. wide, course SW.
 Ascend slightly over SE. slope, to
 39.96 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bed rock, supported in a mound of stone for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 1
 S 12
 1922

from which,

- A hackberry, 6 ins. in diam., brs. N. $32\frac{1}{2}^{\circ}E.$, 64 lks. dist., marked $\frac{1}{4}$ S 1 BT.
 A hackberry 8 ins. in diam., brs. S. $64\frac{1}{2}^{\circ}W.$, 123 lks. dist., marked $\frac{1}{4}$ S 12 BT.
 44.00 Descend gradually over SW. slope, to Same wash, 50 lks. wide, course NW.
 70.00 Descend gradually over NW. slope, to Center of wash, 100 lks. wide, course SW.
 79.93 Descend gradually over SW. slope, to The cor. of secs. 1, 2, 11 and 12.
 Land, mountainous and rolling.
 Soil, gravelly, 3rd rate.
 Timber, cedar and hackberry.
 Undergrowth, greasewood and scrub mesquite.

- N. $0^{\circ}1'W.$, on random line, bet. secs. 1 and 2.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.62 Fall 4 lks. E. of the cor. of secs. 1, 2, 35 and 36, on N. bdy. of of Tp., established by A. B. Rich, U.S.S. in 1916, which is an iron post, 3 ins. in diam., projecting 30 ins. above ground, firmly set in ground and mound of stone, properly marked on brass cap, and witnessed by a mound of stone W. of cor. No bearing trees.
 Thence,
 S. $0^{\circ}3'E.$, on true line, bet. secs. 1 and 2.
 Over mountainous land, thru. scattering undergrowth.
 6.42 Descend 155 ft., over SW. slope, to Wash, 20 lks. wide, course SE.
 Ascend 10 ft., over E. slope, to
 10.60 Point of spur, slopes SE.
 Descend 120 ft., over S. slope.
 19.65 Wash, 10 lks. wide, course SE. Enter rolling land.
 Descend 73 ft., over SE. slope, to
 31.38 Wash, 20 lks. wide, course SW.
 Ascend 38 ft., over NW. slope.
 34.68 Descend 23 ft., over W. slope, to

Survey of Subdivision lines of Township 12 South, Range 31 East, 29

Chains.

39.62 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap,

1/4
S 2 | S 1
1922

No bearing trees available.
Descend 39 ft., over W. slope, to
52.25 Spur, slopes SW.
Descend 72 ft., over SE. slope.
59.62 From this point, a stone house erected at Tile Well brs. N. 86 1/2° W.
Norman A. Foland's house brs. S. 38° 50' E.
69.60 Wash, 20 lks. wide, course SW.
Descend gradually over SW. slope, to
79.62 The cor. of secs. 1, 2, 11 and 12.
Land, mountainous and rolling.
Soil, gravelly, 3rd rate.
Timber, none.
Undergrowth, greasewood and scrub mesquite.
Good grass.

From the reestablished cor. of secs. 34 and 35 on S. bdy. of the Tp., hereinbefore described, N. 0° 1' W., on a true line, bet. secs. 34 and 35. Over mountainous land, thru. scattering timber and undergrowth.

10.40 Ascend 255 ft., over steep SE. slope, to Spur, slopes SW.
17.10 Ascend 132 ft., over steep W. slope, to Head of wash, course SW.
27+50 Ascend 370 ft., over SW. slope.
Spur, slopes SE.
37.19 Descend 148 ft., over NE. slope.
Spur, slopes W. Saddle brs. W. 4 chs. dist.
40.40 Descend 23 ft., over NW. slope, to Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for 1/4 sec. cor., marked on brass cap,

1/4
S34 | S35
1922

No bearing trees available.
46.00 Descend gradually, over NW. slope.
49.40 Ascend gradually over SE. slope.
Saddle in ridge, bearing NE. and SW.
51.40 Descend gradually over NW. slope.
Ascend 48 ft., over SW. slope.
54.30 Point of spur, slopes NW.
80.40 Descend 592 ft., over steep NW. slope, to Intersect the sectional correction line at a point 10 lks. E. of the temp. cor. of secs. 25, 26, 35 and 36. At point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked on brass cap,

T12S | R31E
S27 | S26
S34 | S35
1922

No bearing trees available. Raise a mound of stone, 2 ft.

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30 Survey of Subdivision lines of Township 12 South, Range 31 East.

Chains.

base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar.
 Undergrowth, greasewood and ocotillo.

From the cor. of secs. 25, 26, 35 and 36,
 West, on Sectional Correction Line, bet. secs. 26 and 35.
 Over rolling land, thru. scattering timber and undergrowth.
 Ascend 23 ft., over SE. slope;
 5.00 Spur. slopes SW.
 Descend 44 ft., over NW. slope.
 18.80 Wash, 10 lks. wide, course SW.
 Descend gradually, over SW. slope.
 25.33 Road, brs. N. and S.
 27.00 Wash, 20 lks. wide, course SW. Enter nearly level bottom
 land, brs. NE. and SW.
 30.00 West edge of bottom land, brs. NE. and SW. Enter mountain-
 ous land.
 Ascend 92 ft., over SE. slope, to
 39.99 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in
 the ground to bed rock, deposit a stone marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 26
 S 35
 1922

No bearing trees available.
 Ascend 135 ft., over SE. slope.
 49.90 Ridge, brs. NE. and SW.
 Descend 160 ft., over NW. slope, to
 62.50 Wash, 10 lks. wide, course NW.
 Ascend 23 ft., over NE. slope.
 70.00 Spur, slopes NW.
 Descend 92 ft., over NW. slope.
 76.60 Wash, 10 lks. wide, course NW.
 Descend gradually over NW. slope, to
 79.98 The cor. of secs. 26, 27, 34 and 35.
 Land, rolling, nearly level and mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar.
 Undergrowth, greasewood.

N. $0^{\circ}1'W.$, bet. secs. 26 and 27.
 Over mountainous land, thru. scattering timber and under-
 growth.
 Descend 34 ft., over NW. slope, to
 4.30 Wash, 20 lks. wide, course NW.
 Descend 57 ft., over NW. slope, to
 18.45 Wash, 20 lks. wide, course NW.
 Ascend 559 ft., over steep SW. slope, to
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in
 the ground, to bed rock, deposit a stone, marked with
 a cross (x) at base of post, and raise a mound of stone
 around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
 S27 | S26
 1922

No bearing trees available.
 Ascend 42 ft., over SW. slope, to
 45.40 Ascend 40 ft., over W. slope, to
 55.50 Point of spur, slopes NW. Saddle brs. W. 8 chs. dist.

Survey of Subdivision lines of Township 42 South, Range 31 East. 31

Chains.

60.00 Descend gradually over NW. slope, to
 80.00 Descend 414 ft., over steep W. slope, to
 Set an iron post, 3 ft. long, 2 ins. in diam., 2 ins. in ground to bedrock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 22, 23, 26 and 27, marked on brass cap,

T12S R31E
 S22 S23
 S27 S26
 1922

No bearing trees available.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar.
 Undergrowth, greasewood, ocotillo and mesquite.

40.00 East, on a random line, bet. secs. 23 and 26.
 79.98 Set temp. $\frac{1}{4}$ sec. cor.
 Intersect the cor. of secs. 23, 24, 25 and 26.
 Thence,
 West, on a true line, bet. secs. 23 and 26.
 Over rolling land, thru. scattering timber and undergrowth.
 Ascend 72 ft., over SE. slope,
 11.00 Spur, slopes NE.
 Ascend gradually over N. slope.
 16.00 Top of hill, brs. S. about 6 chs. dist.
 Ascend gradually over NE. slope.
 21.00 Point of spur, slopes NW. Low saddle, brs. N. about 4 chs. dist.
 39.99 Descend 190 ft., over NW. slope, to
 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground, to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 23
 S 26
 1922

45.70 No bearing trees available.
 50.24 Descend 25 ft., over NW. slope.
 Road, brs. N. and S.
 Wash, 10 lks. wide, course NW. Enter mountainous land.
 69.20 Ascend 205 ft., over NE. slope.
 74.20 Low saddle, brs. N. 2 chs. dist.
 NW. end of ridge, bearing NW. and SE.
 79.98 Descend 132 ft., over steep W. slope, to
 The cor. of secs. 22, 23, 26 and 27.
 Land, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar.
 Undergrowth, greasewood.

9.85 N. 0° 1' W., bet. secs. 22 and 23.
 Over mountainous land, thru. scattering undergrowth.
 Descend 103 ft., over steep W. and NW. slopes, to
 Wash, 20 lks. wide, course NW. Enter rolling land.
 25.44 Descend 35 ft., over NW. slope, to
 Wash, 30 lks. wide, course SW.
 Ascend gradually over SW. slope.
 32.50 Road, brs. E. and W.
 36.74 Wash, 50 lks. wide, course SW. Continue gradual ascent over SW. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bed rock, deposit a stone marked with

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32 Survey of Subdivision lines of Township 12 South, Range 31 East.

CHAINS.

a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
S22 | S23
1922

- No bearing trees available.
Ascend gradually over SW. slope, to
56.70 Wash, 20 lks. wide, course SW.
Ascend 23 ft., over SW. slope, to
61.60 Wash, 15 lks. wide, course SW. Enter nearly level land,
sloping slightly to the SW.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in
the ground to bed rock, deposit a stone, marked with
a cross (x) at base of post, and raise a mound of
stone around post, for cor. of secs. 14, 15, 22 and 23,
marked on brass cap,

T12S | R31E
S15 | S14
S22 | S23
1922

No bearing trees available.
Land, mountainous, rolling and nearly level.
Soil, gravelly and rocky, 3rd rate.
Timber, none.
Undergrowth, greasewood.

- 40.00 East, on a random line, bet. secs. 14 and 23.
Set temp. $\frac{1}{4}$ sec. cor.
79.94 Fall 2 lks. N. of the cor. of secs. 13, 14, 23 and 24.
Thence,
N. 89° 59' W., on a true line, bet. secs. 14 and 23.
Over rolling land, thru. scattering undergrowth.
Descend 76 ft., over NW. slope.
11.10 Wash, 20 lks. wide, course SW.
Ascend 33 ft., over SE. slope.
25.00 Spur, slopes SW.
Descend 38 ft., over NW. slope.
33.10 Wash, 10 lks. wide, course SW.
Ascend 35 ft., over SE. slope, to
39.97 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in
the ground to bed rock, deposit a stone, marked with
a cross (x) at base of post, and raise a mound of
stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 14
S 23
1922

- No bearing trees available.
Thence over nearly level land, sloping slightly to the
SW.
79.94 The cor. of secs. 14, 15, 22 and 23.
Land, rolling and nearly level.
Soil, gravelly, 3rd rate.
Timber, none.
Undergrowth, greasewood.

- N. 0° 1' W., bet. secs. 14 and 15.
Over nearly level land, thru. scattering undergrowth.
Ascend slightly over SW. slope, to
5.60 Wash, 50 lks. wide, course SW.
Ascend slightly over S. slope, to
25.00 Foot of steep ascent, brs. NE. and SW. Enter mountainous
land.

Survey of Subdivision lines of Township 12 South, Range 31 East. 33

Chains.

35.20 Ascend 135 ft., over S.slope.
 Spur, slopes SW.
 40.00 Descend 100 ft., over NW.slope, to
 Set an iron post, 3 ft.long, 1 in. in diam., 10 ins. in
 the ground to bed rock, deposit a stone marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$
 S15 | S14
 1922

No bearing trees available.
 A granite ledge, 6 ft.high, hrs.S.23°50'W., 37
 lks.dist., marked with a cross (x) and B0
 above cross.

43.60 Descend 60 ft., over NW.slope, to
 Wash, 20 lks.wide, course SW.
 Ascend 175 ft., over SW. and S.slopes.
 69.80 Spur, slopes SW.
 Ascend 12 ft., over W.slope.
 74.30 Descend 15 ft. over NW.slope.
 76.80 Head of wash, course SW.
 Ascend 17 ft., over SW.slope, to
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 15 ins. in
 the ground to bed rock, deposit a stone, marked with
 a cross (x) at base of post, and raise a mound of stone
 around post, for cor.of secs. 10, 11, 14 and 15, marked
 on brass cap,

T12S | R31E
 S10 | S11
 S15 | S14
 1922

No bearing trees available.
 Land, nearly level and mountainous.
 Soil, gravelly, and rocky, 3rd and 4th rate.
 Timber, none.
 Undergrowth, greasewood and ocotillo.

40.00 S.89°59'E., on a random line, bet. secs.11 and 14.
 Set temp. $\frac{1}{4}$ sec.cor.
 80.10 Fall 2 lks.N.of the cor.of secs.11, 12, 13 and 14.
 Thence,
 N.89°58'W., on a true line, bet. secs.11 and 14.
 Over mountainous land, thru. scattering timber and under-
 growth.
 Ascend 100 ft., over steep S.and SE.slopes.
 13.75 Spur, slopes SW.
 Descend 18 ft., over W.slope.
 17.00 Wash, 20 lks. wide, course SW.
 Ascend 70 ft., over SE.slope.
 23.66 Spur, slopes SW. Desc.142 ft.over W.slope,
 32.90 Wash, 10 lks.wide, course SW.Desc.33 ft., over SE.slope, to
 40.05 Set an iron post, 3 ft.long, 1 in. in diam., 10 ins.in
 the ground to bed rock, deposit a stone marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$ S 11
 S 14
 1922

No bearing trees available.
 Ascend 15 ft., over SE.slope.
 46.50 Point of low spur, slopes S.
 Descend 13 ft., over SW.slope.
 49.35 Wash, 20 lks.wide, course SE.

BOOK 3651

34 Survey of Subdivision lines of Township 12 South, Range 31 East.

Chains.

59.20 Ascend 190 ft., over E. slope.
Spur, slopes S.
61.00 Descend 16 ft., over SW. slope, to
Head of wash, course NW.
66.00 Descend 10 ft., over N. slope, to
Spur, slopes NW.
80.10 Descend 270 ft., over SW. slope, to
The cor. of secs. 10, 11, 14 and 15.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, cedar.
Undergrowth, ocotillo.

N.0°1'W., bet. secs. 10 and 11.
Over mountainous land, thru. scattering timber and under-
growth.
5.00 Ascend 46 ft., over SW. slope.
Point of spur, slopes NW.
12.40 Descend 80 ft., over NW. slope.
Wash, 10 lks. wide, course SW.
34.30 Ascend 430 ft., over S. slope:
Main ridge of the Orange Butte range of mountains, brs.
E. and W.
40.00 Descend 30 ft., over N. slope, to
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,

$\frac{1}{4}$
 S10 | S11
 1922

No bearing trees available. Raise a mound of stone, 2 ft.
base, $1\frac{1}{2}$ ft. high, W. of cor.
75.30 Descend 350 ft., over N. slope.
Center of wash, 200 lks. wide, course N.70°W.
80.00 Ascend 20 ft., over S. slope, to
Set an iron post, 3 ft. long, 2 ins. in diam., 22 ins. in
the ground to bed rock, deposit a stone, marked with
a cross (x) at base of post, and raise a mound of
stone around post, for cor. of secs. 2, 3, 10 and 11,
marked on brass cap,

T12S | R31E
 S 3 | S 2
 S10 | S11
 1922

No bearing trees available.
Land, mountainous.
Soil, rocky, 4th rate.
Timber, cedar.
Undergrowth, greasewood and catclaw.

40.00 S.89°58'E., on a random line, bet. secs. 2 and 11.
Set temp. $\frac{1}{4}$ sec. cor.
80.04 Fall 2 lks. S. of the cor. of secs. 1, 2, 11 and 12.
Thence,
N.89°59'W., on a true line, bet. secs. 2 and 11.
Over rolling land, thru. scattering undergrowth.
Descend gradually over SW. slope.
1.15 Fence, brs. N. and S.
6.89 Wash, 20 lks. wide, course SW.
Ascend gradually over SE. slope.
13.30 Low spur, slopes SW. Stone house at Tule Well, brs. N.48°W.
Descend 45 ft., over NW. slope.
21.85 Wash, 20 lks. wide, course SW.
Ascend 20 ft., over SE. slope.

Survey of Subdivision lines of Township 12 South, Range 31 East. 35

Chains.

26.00 Low spur, slopes SW.
 Descend 14 ft., over W.slope.
 28.00 Wash, 20 lks.wide, course SW.
 Ascend 24 ft. over SE.slope, to
 40.02 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in
 the ground to bedrock, deposit a stone marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$ S 2
 S 11
 1922

No bearing trees available.
 Ascend 5 ft., over SE.slope.
 41.00 Point of low spur, slopes SW.
 Descend 52 ft., over W.slope.
 47.00 Wash, 30 lks.wide, course SW.
 Ascend 33 ft., over SE.slope.
 56.00 Point of low spur, slopes SW.
 Descend 19 ft., over W.slope.
 60.50 Wash, 20 lks.wide, course SW.
 Descend gradually over SW.slope, to
 75.50 Wash, 30 lks.wide, course SW.
 Descend gradually over S.slope, to
 80.04 The cor. of secs. 2, 3, 10 and 11
 Land, rolling.
 Soil, gravelly, 3rd rate.
 Timber, none.
 Undergrowth, greasewood and catclaw.

N.0°1'W., on a random line, bet. secs. 2 and 3.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.50 Fall 7 lks.E. of the cor. of secs. 2, 3, 34 and 35, on the N.
 bdy. of the Tp., established by A.B. Rich, U.S.S. in
 1916, which is an iron post, 3 ins. in diam., projecting
 22 ins. above ground, firmly set in ground and mound of
 stone, properly marked on brass cap, and witnessed by
 a mound of stone, W. of cor. No bearing trees.

Thence,
 S.0°4'E., on a true line, bet. secs. 2 and 3.
 Over mountainous land, thru. scattering timber and under-
 growth.
 Ascend 386 ft., over NW. slope.
 16.00 Saddle in ridge, brs. NE. and SW.
 Descend 407 ft., over steep SE.slope.
 28.15 Wash, 10 lks.wide in gulch, course SW.
 Ascend 66 ft., over NW. slope, to
 35.30 Descend 56 ft., over steep SW.slope, to
 39.50 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in
 the ground to bed rock, deposit a stone marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$
 S 3 | S 2
 1923

No bearing trees available.
 Descend 574 ft., over steep SW.slope.
 61.70 Wash, 20 lks.wide, course SE.
 Ascend 33 ft., over NE.slope.
 64.50 Descend 57 ft., over E.slope, to
 75.00 Point of spur, slopes SE.
 Descend 46 ft., over S.slope, to
 79.50 The cor. of secs. 2, 3, 10 and 11.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar and oak.
 Undergrowth, greasewood and ocotillo.

BOOK 3651

36 Survey of Subdivision lines of Township 12 South, Range 31 E.

Chains.

From the reestablished cor. of secs. 33 and 34 on S. bdy. of Tp., hereinbefore described, N.0°2'W., on a true line, bet. secs. 33 and 34. Over nearly level land, thru. scattering undergrowth at E. edge of San Simon Valley.

- 2.50 Descend 10 ft., to Wash, 30 lks. wide, course SW. Enter gently rolling land. Ascend 50 ft., over SE. slope.
- 18.30 Low spur. slopes SW. Ascend gradually over W. slope, to Wash, 20 lks. wide, course SW.
- 37.50 Ascend 14 ft., over SW. slope, to
- 41.55 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
S33 | S34

1922

No bearing trees available.

Enter mountainous land.

Ascend 110 ft., over SW. slope.

- 55.30 Point of spur, slopes NW.

Descend 160 ft., over NW. slope.

- 68.20 Wash, 10 lks. wide, course SW. Thence over gently rolling land at E. edge of San Simon Valley.

Ascend gradually over SW. slope, to

- 81.55 Intersect the Sectional Correction Line at a point 10 lks. E. of the temp. cor. of secs. 26, 27, 34 and 35.

At point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 27, 28, 33 and 34, marked on brass cap,

T12S | R31E
S28 | S27

S33 | S34

1922

No bearing trees available.

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Land, nearly level, gently rolling and mountainous.

Soil, gravelly and rocky, 3rd and 4th rate.

Timber, none.

Undergrowth, greasewood and ocotillo.

From the cor. of secs. 26, 27, 34 and 35.

West, on Sectional Correction Line, bet. secs. 27 and 34, Over mountainous land, thru. scattering timber and undergrowth.

Descend 10 ft., over NW. slope.

- .90 Wash, 30 lks. wide, course N. from SW.

Ascend 560 ft., over steep NE. slope.

- 24.70 Spur, slopes NW.

Descend 494 ft., over steep W. slope, to

- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 27.

S 34

1922

No bearing trees available.

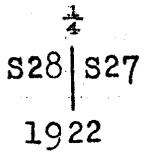
Descend 150 ft., over W. slope.

Survey of Subdivision lines of Township 12 South, Range 31 East. 37

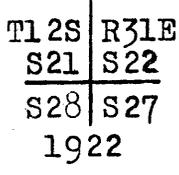
Chains.

46.70 Wash, 20 lks.wide, course NW.
 Ascend 230 ft., over steep NE.slope, to
 54.35 Spur, slopes NW.
 Descend 365 ft., over steep W.slope, to
 75.10 Foot of steep descent, brs.N.and S. Enter gently rolling
 land at E. edge of San Simon Valley.
 Descend 22 ft., over SW.slope, to
 80.00 The cor.of secs.27,28, 33 and 34.
 Land, mountainous and gently rolling.
 Soil, rocky, 4th rate.
 Timber, cedar.
 Undergrowth, greasewood and ocotillo.

N.0°2'W., bet. secs. 27 and 28.
 Over gently rolling land, thru. scattering undergrowth, at
 E. edge of San Simon Valley.
 Ascend gradually over SW.slope, to
 15.00 Foot of steep ascent, brs.NW. and SE. Enter mountainous
 land.
 Ascend 186 ft., over SW.slope.
 28.60 Point of spur, slopes NW.
 Descend 164 ft., over N.slope.
 37.50 Wash, 20 lks.wide, course NW. Enter gently rolling land.
 Ascend 15 ft., over SW.slope, to
 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,



No bearing trees available. Raised a mound of stone, 2
 ft.base, $1\frac{1}{2}$ ft.high, W.of cor.
 Continue over gently rolling land.
 Ascend gradually over SW. slope, to
 62.00 Wash, 10 lks.wide, course SW. Enter nearly level land in
 San Simon Valley, sloping slightly to the SW.
 80.00 Set an iron post, 3 ft.long, 2 ins. in diam., 26 ins.in
 the ground for cor.of secs. 21,22, 27 and 28, marked
 on brass cap,



No bearing trees available. Raise a mound of stone, 2 ft.
 base, $1\frac{1}{2}$ ft.high, W.of cor.
 Land, gently rolling, mountainous and nearly level.
 Soil, gravelly and rocky, 3rd and 4th rate.
 Timber, none.
 Undergrowth, greasewood.

East, on a random line, bet. secs. 22 and 27.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.92 Fall 5 lks.N. of the cor. of secs. 22,23, 26 and 27.
 Thence
 N.89°58'W., on a true line, bet.secs. 22 and 27.
 Over mountainous land, thru. scattering undergrowth.
 Descend 105 ft., over W.slope.
 10.00 Wash, 10 lks.wide, course NW. Enter rolling land.
 Descend gradually over N.slope.
 20.00 Ascend 28 ft., over NE. slope.
 30.00 Low spur, slopes NW.
 Descend 40 ft., over W.slope.
 36.50 Wash, 10 lks.wide, course NW.

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38 Survey of Subdivision lines of Township 12 South, Range 31 East.

Chains.

39.96 Ascend 16 ft., over NE. slope, to
Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in
the ground, to bed rock, deposit a stone, marked with
a cross (x) at base of post, and raise a mound of stone around
post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 22
S 27
1922

No bearing trees available.
Ascend 8 ft., over NE. slope.
42.60 Point of low spur, slopes N.
Descend 12 ft., over NW. slope.
44.65 Wash, 10 lks. wide, course NE., near head.
Ascend 66 ft., over E. slope.
50.26 Spur, slopes NE.
Descend 25 ft., over W. slope.
53.54 Wash, 10 lks. wide, course NW. Enter mountainous land.
Ascend 67 ft., over NE. slope.
60.36 Spur, slopes NW.
Descend 233 ft., over steep SW. slope, to
74.90 Foot of steep descent, brs. N. and S. Enter nearly level
land in San Simon valley.
79.92 The cor. of secs. 21, 22, 27 and 28.
Land, mountainous, rolling and nearly level.
Soil, gravelly and rocky, 3rd and 4th rate.
Timber, none.
Undergrowth, greasewood.

N. 0° 2' W., bet. secs. 21 and 22.
Over nearly level land, sloping slightly to the W., thru.
scattering undergrowth in San Simon Valley.
23.40 Wash, 60 lks. wide, course SW. Continue over nearly level
land, sloping slightly to the SW.
30.90 Road, brs. NE. and SW.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in
the ground to bed rock, deposit a stone marked with
a cross (x) at base of post, and raise a mound of
stone around post, for $\frac{1}{4}$ sec. cor., marked on brass
cap,

$\frac{1}{4}$
S21 | S22
1922

No bearing trees available.
Continue over nearly level land, sloping slightly to the
SW. and W.
79.50 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in
the ground for witness cor. to the cor. of secs. 15, 16,
21 and 22, marked on brass cap,

W | C
T12S | R31E
S16 | S15
S21 | S22
1922

No bearing trees available. Raise a mound of stone, 2 ft.
base, 1½ ft. high, W. of cor.
80.00 True point for cor. of secs. 15, 16, 21 and 22 falls in
wash, 50 lks. wide, course SW., where it would not be
practicable to set monument; therefore, establish wit-
ness cor. at 50 lks. S. 0° 2' E., as described above.
Land, nearly level.
Soil, gravelly loam, 3rd rate.
Timber, none. Undergrowth, greasewood.

Survey of Subdivision lines of Township 12 South, Range 31 East, 39

Chains.

40.00 S.89°58'E., on a random line, bet. secs. 15 and 22.
 Set temp. $\frac{1}{4}$ sec.cor.
 79.94 Fall 7 lks.S. of the cor.of secs. 14,15, 22 and 23.
 Thence,
 S.89°59'W., on a true line, bet. secs.15 and 22.
 Over nearly level land, sloping slightly to the W., thru.
 scattering undergrowth, in San Simon Valley.
 21.74 Center of wash,100 lks.wide, course SW.
 28.15 Same wash,100 lks.wide, course NW.
 39.97 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 15
 S 22
 1922

No bearing trees available. Raise a mound of stone, 2 ft.
 base, 1 $\frac{1}{2}$ ft.high, N.of cor.
 Continue over nearly level land, sloping slightly to the
 W., thru. scattering undergrowth, in San Simon Valley.
 79.94 The true point for cor.of secs. 15,16, 21 and 22,in wash,
 course SW.
 Witness cor.0.50 chs.S.0°2'E.
 Land, nearly level.
 Soil, gravelly loam, 3rd rate.
 Timber, none.
 Undergrowth, greasewood and catclaw.

From true point for cor.of secs.15,16, 21 and 22,in wash,
 N.0°2'W., bet. secs.15 and 16.
 Over nearly level land, sloping slightly to the SW.,thru.
 scattering undergrowth in San Simon Valley.
 9.30 Wash, 20 lks.wide, course SW. Continue over nearly level
 land.
 15.00 Ascend slightly over S.slope, to
 Foot of slope, brs.E. and W. Enter rolling land.
 26.90 Ascend 90 ft.,over S.slope.
 Spur, slopes SW.
 34.85 Descend 75 ft.,over NW.slope.
 Wash,10 lks.wide, course SW.
 40.00 Ascend 34 ft., over SW.slope, to
 Set an iron post, 3 ft.long, 1 in. in diam.,15 ins.in the
 ground to bed rock, deposit a stone, marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$
 S16 | S15
 1922

No bearing trees available.
 Ascend 140 ft.,over SW.slope.
 46.96 From this point, a saddle brs.West 100 lks.dist. Enter
 mountainous land, and scattering timber.
 60.70 Spur, slopes NW.
 Descend 140 ft., over N.slope.
 67.50 Wash,10 lks.wide, course NW.
 Ascend 125 ft., over SW.slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam.,15 ins. in
 the ground, to bed rock, deposit a stone marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for cor.of secs.9,10,15 and 16, marked
 on brass cap,

T12S | R31E
 S 9 | S10
 S16 | S15
 1922

BOOK 3651

400 Survey of Subdivision lines of Township 12 South, Range 31 East.

Chains.

No bearing trees available.
 Land, nearly level, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar.
 Undergrowth, greasewood and ocotillo.

40.00 N.89°59'E., on a random line, bet. secs.10 and 15.
 Set temp. $\frac{1}{4}$ sec.cor.
 80.00 Intersect the cor.of secs.10,11, 14 and 15.
 Thence,
 S,89°59'W., on a true line, bet. secs.10 and 15.
 Over mountainous land, thru. scattering timber and under-
 growth.
 9.36 Descend 83 ft., over SW.slope.
 Wash, 30 lks.wide, course SW.
 Ascend 76 ft., over SE.slope.
 17.40 Spur.slopes SW.
 Descend 120 ft., over W. slope.
 20.90 Wash, 20 lks. wide, course SW.
 Ascend 20 ft., over SE.slope, to
 30.10 Descend gradually over S.slope, to
 35.10 Wash, 20 lks.wide, course SE.
 Ascend 70 ft., over E.slope, to
 40.00 Set an iron post, 3 ft.long, 1 in. diam., 12 ins. in the
 ground, to bed rock, deposit a stone, marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$ S 10
 S 15
 1922

No bearing trees available.
 Ascend 80 ft., over E.slope.
 44.64 Spur, slopes SE.
 Descend 180 ft., over SW.slope.
 57.90 Wash, 30 lks.wide, course SE.
 Ascend 200 ft., over NE.slope.
 70.80 Spur, slopes NW.
 Descend 207 ft., over SW. slope, to
 80.00 The cor. of secs. 9,10,15 and 16.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar.
 Undergrowth, greasewood and ocotillo.

N.0° 2'W., bet. secs. 9 and 10.
 Over mountainous land, thru. scattering timber and under-
 growth.
 Ascend 63 ft., over SW.slope, to
 5.00 Descend 20 ft., over NW.slope.
 9.30 Wash, 10 lks.wide, course SW. near head.
 Ascend 361 ft., over SW.slope.
 20.00 Spur, slopes SE.
 Descend 187 ft., over NE. slope.
 36.40 Wash, 20 lks.wide, course SE.
 Ascend 36 ft., over SW.slope, to
 40.00 Spur, slopes SE.
 Set an iron pest, 3 ft.long, 1 in. in diam., 12 ins. in
 the ground to bed rock, deposit a stone marked with
 a cross (x) at base of post, and raise a mound of stone
 around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$
 S 9 | S10
 1922

Survey of Subdivision lines of Township 12 South, Range 31 East. 41

Chains.

- No bearing trees available.
- 44.76 Ascend 102 ft., over E. slope, to Head of wash, course SE.
- 61.10 Ascend 230 ft., over SW. slope. Main ridge of the Orange Butte range of mountains, brs. SE. and NW.
- 70.50 Descend 160 ft., over NE. slope, to Head of wash, course NE.
- 74.20 Descend 30 ft., over E. slope, to Spur, slopes NE.
- 80.00 Descend 110 ft., over N. slope, to Mark a cross (x) on surface rock at exact cor. point, and over same set an iron post, 3 ft. long, 2 ins. in diam., and raise a mound of stone, around post, for cor. of secs. 3, 4, 9 and 10, marked on brass cap,

T12S	R31E
S 4	S 3
S 9	S 10
1922	

No bearing trees available.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar.
 Undergrowth, ocotillo.

- 40.00 N. 89° 59' E., on a random line, bet. secs. 3 and 10. Set temp. $\frac{1}{4}$ sec. cor.
- 79.94 Intersect the cor. of secs. 2, 3, 10 and 11. Thence, S. 89° 59' W., on a true line, bet. secs. 3 and 10. Over rolling land, thru. scattering timber and undergrowth. Descend gradually over S. and SW. slopes.
- 22.00 Wash, 10 lks. wide, course SE. Ascend 23 ft., over SE. slope.
- 25.40 Descend 49 ft., over SW. and S. slopes, to
- 38.41 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for witness cor. to the $\frac{1}{4}$ sec. cor., marked on brass cap,

WC $\frac{1}{4}$	S 3
	S 10
1922	

- No bearing trees available. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
- 39.97 Descend slightly over S. slope, to True point for $\frac{1}{4}$ sec. cor. falls in wash, 100 lks. wide, course SW. from SE.
- 50.10 Ascend 23 ft., over SE. slope. Point of spur, slopes SW.
- 56.90 Descend 30 ft., over SW. slope. Same wash, 100 lks. wide, course NW. Enter mountainous land.
- 68.00 Ascend 86 ft., over NE. slope. Spur. slopes NW.
- 73.55 Descend 54 ft., over W. slope. Wash, 20 lks. wide, course NW.
- 79.94 Ascend 107 ft., over NE. slope, to The cor. of secs. 3, 4, 9 and 10. Land, rolling and mountainous. Soil, gravelly and rocky, 3rd and 4th rate. Timber, cedar. Undergrowth, greasewood and ocotillo.

- 40.00 N. 0° 2' W., on random line, bet. secs. 3 and 4. Set temp. $\frac{1}{4}$ sec. cor.
- 79.62 Fall 25 lks. E. of the cor. of secs. 3, 4, 33 and 34, on N.

BOOK 3651

42 Survey of Subdivision lines of Township 12 South, Range 31 East.

Chains.

bdy. of the Tp., established by A.B. Rich, U.S.S., in 1916, which is an iron post, 3 ins. in diam., projecting 3 ft. above ground, firmly set in a mound of stone, and witnessed by a mound of stone W. of cor.

No bearing trees.

Thence,

S.0°13'E., on true line, bet. secs. 3 and 4.

Over mountainous land, thru. scattering timber and undergrowth.

9.93 Descend 184 ft., over SW. slope, to wash, 10 lks. wide, course SW.

14.90 Descend 18 ft., over W. slope, to spur, slopes SW.

36.45 Descend 394 ft., over SE. slope, to wash, 20 lks. wide, course SW.

39.62 Descend 20 ft., over W. slope, to

Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

S 4 | S 3

1922

No bearing trees available.

44.97 Descend 30 ft., over W. slope, to spur, slopes SW.

50.90 Descend 52 ft., over SE. slope. wash, 10 lks. wide, course SW.

54.95 Ascend 23 ft., over NW. slope. spur, slopes SW.

58.04 Descend 28 ft., over SE. slope. wash, 20 lks. wide, course SW.

65.76 Descend 36 ft., over SW. slope. center of wash, 100 lks. wide, course SW.

79.62 Ascend 190 ft., over N. slope, to

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

Land, mountainous.

Soil, rocky, 4th rate.

Timber, cedar.

Undergrowth, greasewood and ocotillo.

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

N.0°2'W., on a true line, bet. secs. 32 and 33.

Over level land, thru. scattering undergrowth, in San Simon Valley.

5.90 wash, 10 lks. wide, course SW.

16.80 wash, 50 lks. wide, course SW.

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

S 32 | S 33

1922

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

Continue over level land, thru. scattering undergrowth, in San Simon Valley.

82.58 Intersect the Sectional Correction line at a point 2 lks. W. of the temp. cor. of secs. 27, 28, 33 and 34.

At point of intersection, set an iron post 3 ft. long, 2 ins.

in diam., 26 ins. in the ground for cor. of secs. 28, 29, 32 and 33, marked on brass cap,

and raise a mound of stone around post, and raise a mound of stone

Survey of Subdivision lines of Township 12 South, Range 31 East, 43

Chains.

T12S	R31E
S29	S28
S32	S33
1922	

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

Land, level.

Soil, gravelly loam, 3rd rate.

Timber, none.

Undergrowth, greasewood, catclaw and ocotillo.

From the cor. of secs. 27, 28, 33 and 34, West, on Sectional Correction line, bet. secs. 28 and 33. Over nearly level land, thru. scattering undergrowth, in San Simon Valley.

8.70 Descend slightly over SW. slope, to Wash, 10 lks. wide, course SW. Continue slight descent over SW. slope, to

16.60 Wash, 20 lks. wide, course SW. Thence over level land.

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

¼	S 28
¼	S 33
1922	

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

Continue over level land, thru. scattering undergrowth, in San Simon Valley.

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

Land, nearly level and level.

Soil, gravelly, 3rd rate.

Timber, none.

Undergrowth, greasewood and scrub mesquite.

N. 0° 2' W., bet. secs. 28 and 29.

Over level land, thru. scattering undergrowth, in San Simon Valley.

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

¼	S 29	S 28
1922		

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

Continue over level land, thru. scattering undergrowth, in San Simon Valley.

63.40 Wash, 50 lks. wide, course SW. Thence over nearly level land, sloping SW.

78.00 Road, brs. NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 20, 21, 28 and 29, marked on brass cap,

T12S	R31E
S20	S21
S29	S28
1922	

No bearing trees available.

Land, level and nearly level.

Soil, gravelly loam, 3rd rate.

BOOK 3651

44 Survey of Subdivision lines of Township 12 South, Range 31 East.

Chains.

Timber, none.
Undergrowth, greasewood and scrub mesquite.

40.00 East, on a random line; bet. secs. 21 and 28.
Set temp. sec. cor.
80.10 Fall 5 lks. S. of the cor. of secs. 21, 22, 27 and 28.

Thence
S. 89° 58' W., on a true line, bet. secs. 21 and 28.
Over nearly level land, sloping SW., thru. scattering undergrowth, in San Simon Valley.

36.00 Wash, 60 lks. wide, course SW.
40.05 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post; for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 21
S 28
1922

No bearing trees available.
Continue over nearly level land, thru. scattering undergrowth.

50.50 Wash, 40 lks. wide, course SW.
75.10 Road, brs. NE. and SW.
80.10 The cor. of secs. 20, 21, 28 and 29.
Land, nearly level.
Soil, gravelly loam, 3rd rate.
Timber, none.
Undergrowth, greasewood and ocotillo.

N. 0° 2' W., bet. secs. 20 and 21.
Over nearly level land, sloping SW., thru. scattering undergrowth, in San Simon Valley.

12.60 Wash, 20 lks. wide, course SW.
28.50 Wash, 10 lks. wide, course SW.
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post for $\frac{1}{4}$ sec. cor., marked on brass cap,

S20 | S21
1922

No bearing trees available.
Continue over nearly level land, thru. scattering undergrowth.

72.00 Wash, 20 lks. wide, course SW.
76.90 Wash, 20 lks. wide, course SW.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked on brass cap,

T12S | R31E
S17 | S16
S20 | S21
1922

No bearing trees available. Raise a mound of stone, 2 ft. base, $\frac{1}{2}$ ft. high, W. of cor. of secs. 16, 17, 20 and 21, thru. scattering undergrowth, in San Simon Valley.
Land, nearly level.

Soil, gravelly loam, 3rd rate.
Timber, none.
Undergrowth, greasewood and catclaw.

Survey of Subdivision lines of Township 12 South, Range 31 East, 45

chains.

N. 89° 58' E., on a random line, bet. secs. 16 and 21.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.18 Intersect the true point for cor. of secs. 15, 16, 21 and 22, in wash, course SW., witnessed 0.50 chs. S. 0° 2' E.
 From sec. cor. point,
 S. 89° 58' W., on a true line, bet. secs. 16 and 21.
 Over nearly level land, thru. scattering undergrowth, in San Simon Valley.
 22.30 Wash, 20 lks. wide, course SW.
 31.00 Wash, 30 lks. wide, course SW.
 40.09 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 16
 S 21
 1922

No bearing trees available.
 Continue over nearly level land, thru. scattering undergrowth.

48.50 Wash, 40 lks. wide, course NW.
 73.10 Same wash, 20 lks. wide, course SW. Enter level land.
 80.18 The cor. of secs. 16, 17, 20 and 21.
 Land, nearly level and level.
 Soil, gravelly loam, 3rd rate.
 Timber, none.
 Undergrowth, greasewood and scrub mesquite.

N. 0° 2' W., bet. secs. 16 and 17.
 Over level land, thru. scattering undergrowth, in San Simon Valley.

39.30 Wash, 30 lks. wide, course SW. Thence over nearly level land.
 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,

$\frac{1}{4}$
 S17 | S16
 1922

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

Continue over nearly level land, in San Simon Valley.
 Ascend slightly over S. slope, to
 55.00 Enter rolling land.
 Ascend 46 ft., over S. slope, to
 65.00 Spur, slopes SW.
 Descend 7 ft., over NW. slope, to
 66.50 Wash, 10 lks. wide, course SW. Enter mountainous land.
 Ascend 230 ft., over SE. slope, to
 77.90 Point of spur, slopes SE.
 Descend 26 ft., over NE. slope, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 8, 9, 16 and 17, marked on brass cap,

T12S | R31E
 S 8 | S 9
 S17 | S16
 1922

No bearing trees available.
 Land, level, nearly level, rolling and mountainous.
 Soil, gravelly and rocky, 3rd and 4th rate.
 Timber, none.
 Undergrowth, greasewood and catclaw.

BOOK 8651

46. Survey of Subdivision lines of Township 12 South, Range 31 East.

Chains.

N. $89^{\circ}58'E.$, on a random line, bet. secs. 9 and 16.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.14 Intersect the cor. of secs. 9, 10, 15 and 16.
 Thence
 S. $89^{\circ}58'W.$, on a true line, bet. secs. 9 and 16.
 Over mountainous land, thru. scattering undergrowth.
 Descend 85 ft., over SW. slope.
 8.05 Wash, 20 lks. wide, course SW. Enter rolling land.
 Ascend 10 ft., over SE. slope.
 10.00 Point of low spur, slopes S.
 Descend 17 ft., over SW. slope.
 15.25 Wash, 10 lks. wide, course SE.
 Ascend gradually over rolling SE. slope to $\frac{1}{4}$ sec. cor.
 31.55 Wash, 10 lks. wide, course SE.
 40.07 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in
 the ground to bed rock, deposit a stone marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

.S 9
 S 16
 1922

No bearing trees available.
 Descend 30 ft., over SW. slope.
 45.50 Wash, 10 lks. wide, course SE. Enter mountainous land.
 Ascend 355 ft., over SE. slope.
 64.60 Spur, slopes SW.
 Descend 190 ft., over W. slope, to
 75.10 Saddle. Ascend 47 ft., over NE. slope, to
 80.14 The cor. of secs. 8, 9, 16 and 17.
 Land, mountainous and rolling.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, greasewood and catclaw.

N. $0^{\circ}2'W.$, bet. secs. 8 and 9.
 Over mountainous land, thru. scattering undergrowth.
 Descend 160 ft., over NE. slope, to
 10.30 Wash, 10 lks. wide, course NW.
 Descend 16 ft., over NW. slope, to
 14.70 Wash, 30 lks. wide, course SW.
 Ascend 92 ft., over SW. slope.
 23.50 Point of spur, slopes SW.
 Ascend gradually over W. slope.
 28.56 Descend 45 ft., over NW. slope.
 32.34 Wash, 10 lks. wide, course SW.
 Ascend 171 ft., over SW. slope, to
 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,

S 8 S 9
 1923

No bearing trees available. Raise a mound of stone, 2 ft.
 base, $1\frac{1}{2}$ ft. high, W. of cor.
 Ascend 138 ft., over SW. slope.
 46.90 Spur, slopes W. from NE.
 Descend 226 ft., over NW. slope.
 58.20 Wash, 20 lks. wide, course NW.
 Ascend 195 ft., over SW. and W. slopes, to
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in
 the ground to bed rock, deposit a stone, marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for cor. of secs. 4, 5, 8 and 9, marked on
 brass cap,

Survey of Subdivision lines of Township 12 South, Range 31 East, 47

Chains.

T12S	R31E
S 5	S 4
S 8	S 9
1923	

No bearing trees available.
 Land, mountainous.
 Soil, gravelly and rocky, 4th rate.
 Timber, cedar.
 Undergrowth, greasewood and ocotillo.

40.00 N.89°58'E., on a random line, bet. secs.4 and 9.
 Set temp. 1/4 sec.cor.
 80.18 Intersect the cor.of secs.3,4,9 and 10.
 Thence,
 S.89°58'W., on a true line, bet. secs.4 and 9.
 Over mountainous land, thru. scattering timber and under-
 growth.
 Ascend 120 ft., over NE.slope.
 12.00 Spur, slopes NW.
 Descend 220 ft., over SW.slope.
 25.70 Wash, 30 lks.wide, course NW.
 Ascend 210 ft., over NE.slope, to
 40.09 Set an iron post, 3 ft.long, 1 in. in diam., 6 ins.in
 the ground to bed rock, deposit a stone, marked with a
 cross (x) at base of post, and raise a mound of stone
 around post, for 1/4 sec.cor., marked on brass cap,

1/4 S 4
S 9
1923

No bearing trees available.
 Ascend 106 ft., over NE.slope.
 49.40 Spur, slopes NW.
 Descend 74 ft., over SW.slope.
 55.65 Head of wash, course NW.
 Ascend 120 ft., over E.slope.
 69.65 Main ridge of the Orange Butte range of mountains, brs.
 N. and S.
 Descend 385 ft., over steep W.slope, to
 80.18 The cor.of secs. 4,5,8 and 9.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, cedar.
 Undergrowth, ocotillo and scrub mesquite.

N.0°6'W., on a random line, bet. secs.4 and 5.
 40.00 Set temp. 1/4 sec.cor.
 79.66 Fall 9 lks.E. of the cor. of secs. 4,5, 32 and 33, on N.
 bdy.of the Tp., established by A.B.Rich,U.S.S.in 1916,
 which 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,
 S.0°10'E., on a true line, bet. secs. 4 and 5.
 Over mountainous land, thru. scattering undergrowth.
 Ascend gradually over NW.slope, to
 7.15 Ridge, brs.NE. and SW.
 Descend 180 ft., over SE.slope, to
 25.76 Wash, 20 lks.wide, course SW.
 Descend gradually over SW. slope to 1/4 sec.cor.
 32.46 Wash, 20 lks.wide, course SW.
 39.66 Point for 1/4 sec.cor.falls in wash, 100 lks.wide, course NW.
 40.16 Set an iron post, 3 ft.long, 1 in. in diam., 26 ins. in the
 ground for witness cor. to the 1/4 sec.cor., marked on
 brass cap,

BOOK 3651

48 Survey of Subdivision lines of Township 12 South, Range 31 East.

Chains.

W C
 $\frac{1}{4}$
 S 5 | S 4
 1923

No bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Ascend 390 ft., over steep N. slope.
 54.00 Main ridge of the Orange Butte range of mountains, brs. SE. and W.
 64.00 Descend 82 ft., over SW. slope, to Head of wash, course SW.
 Ascend 30 ft., over NW. slope.
 69.00 Descend 205 ft., over steep SW. and W. slopes, to
 79.66 The cor. of secs. 4, 5, 8 and 9.
 Land, mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, greasewood.

From the reestablished cor. of secs. 31 and 32 on S. bdy. of Tp., hereinbefore described,
 N. $0^{\circ}3'$ W., on a true line, bet. secs. 31 and 32.
 Over nearly level land, sloping SW., thru. scattering undergrowth, in San Simon Valley.
 23.00 Wash, 10 lks. wide, course SW.
 38.90 Wash, 20 lks. wide, course SW.
 41.78 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,

$\frac{1}{4}$
 S31 | S32
 1922

No bearing trees available. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Continue over nearly level land, thru. scattering undergrowth.
 Ascend slightly over SW. slope, to
 45.40 Wash, 10 lks. wide, course SW. Thence over level land.
 81.78 Intersect the Sectional Correction line at a point 8 lks. W. of the temp. cor. of secs. 28, 29, 32 and 33.
 At point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 29, 30, 31 and 32, marked on brass cap,

T12S | R31E
 S30 | S29
 S31 | S32
 1922

No bearing trees available.
 Land, nearly level and level.
 Soil, gravelly loam, 3rd rate.
 Timber, none.
 Undergrowth, greasewood and catclaw.

From the cor. of secs. 28, 29, 32 and 33,
 West, on Sectional Correction line, bet. secs. 29 and 32.
 Over level land, thru. scattering undergrowth, in San Simon Valley.
 39.40 Wash, 10 lks. wide, course SW.
 40.03 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to bed rock, deposit a stone marked with

BOOK 3651

Survey of Subdivision lines of Township 12 South, Range 31 East. 49

Chains.

a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,

S 29

S 32

1922

80.06

No bearing trees available.
Continue over level land, thru. scattering undergrowth.
The cor.of secs.29,30,31 and 32.
Land,level.
Soil,gravelly, 3rd rate.
Timber, none.
Undergrowth, greasewood and catclaw.

21.50

West, on Sectional Correction line, bet. secs.30 and 31.
Over nearly level land, sloping slightly to the SW., thru.
scattering undergrowth, in San Simon Valley.

40.00

Wash,20 lks.wide, course SW.
Set an iron post, 3.ft.long, 1.in. in diam., 26 ins. in
the ground, for $\frac{1}{4}$ sec.cor., marked on brass cap,

S 30

S 31

1922

42.10

No bearing trees available. Raise a mound of stone, 2 ft.
base, $1\frac{1}{2}$ ft.high, N.of cor.
Continue over nearly level land, sloping SW., thru. scat-
tering undergrowth.

53.40

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

55.60

Wash,30 lks.wide, course SW. Thence over level land.

80.72

Road, brs.SE. and NW.

Intersect W. bdy.of Tp. at a point,11.49 chs.N.0°19'E.,
from the cor.of secs.25 and 36, T.12 S.,R.30 E. Reestab-
lish the cor.of secs. 30 and 31 at this point, as herein-
before described.

Land, nearly level and level.

Soil, gravelly loam, 3rd rate.

Timber, none.

Undergrowth, greasewood and catclaw.

From cor.of secs. 29,30, 31 and 32,

N.0°3'W., bet. secs.29, and 30.

Over level land, thru. scattering undergrowth, in San Simon
Valley.

7.20

Wash,10 lks.wide, course SW. Thence over nearly level land,
sloping SW.

13.80

Wash,10 lks.wide, course SW.

22.90

Wash,20 lks. wide, course SW.

26.30

Wash,150 lks.wide, course SW.

37.50

Wash,10 lks.wide, course SW.

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,

S30 | S29

1922

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

Continue over nearly level land, thru. scattering under-
growth.

Ascend gradually over SW.slope to sec.cor.

44.80

Road, brs.NE. and SW.

50.00

Wash,20 lks.wide, course SW.

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50 Survey of Subdivision lines of Township 12 South Range 31 East.

Chains.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 19, 20, 29 and 30, marked on brass cap,

T12S	R31E
S19	S20
S30	S29
1922	

No bearing trees available.
 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
 Land, level, and nearly level.
 Soil, gravelly, 3rd rate.
 Timber, none.
 Undergrowth, greasewood.

40.00 East, on a random line, bet. secs. 20 and 29.
 Set temp. ¼ sec. cor.

80.02 Intersect the cor. of secs. 20, 21, 28 and 29.
 Thence,

West, on true line, bet. secs. 20 and 29.
 Over nearly level land, sloping SW., thru. scattering
 undergrowth, in San Simon Valley.

21.40 Wash, 10 lks. wide, course SW, 1 in. in diam.

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

¼	S 20
	S 29
1922	

No bearing trees available. Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
 Continue over nearly level land, thru. scattering undergrowth.

48.30 Wash, 10 lks. wide, course SW.

69.40 Wash, 10 lks. wide, course SW.

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

Land, nearly level.
 Soil, gravelly, 3rd rate.
 Timber, none.
 Undergrowth, greasewood.

40.00 West, on random line, bet. secs. 19 and 30.
 Set temp. ¼ sec. cor.

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

Thence,
 S. 89° 53' E., on a true line, bet. secs. 19 and 30.

Over nearly level land, sloping SW., thru. scattering
 undergrowth, in San Simon Valley.

14.00 Wash, 20 lks. wide, course SW.

40.15 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for ¼ sec. cor., marked on brass cap,

¼	S 19
	S 30
1922	

No bearing trees available. Continue over nearly level land, thru. scattering undergrowth.

44.20 Wash, 10 lks. wide, course SW.

73.70 Wash, 10 lks. wide, course SW.

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

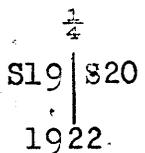
Land, nearly level.
 Soil, gravelly, 3rd rate.

Survey of Subdivision lines of Township 12 South, Range 31 East. 51

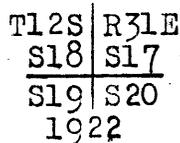
Chains.

Timber, none.
Undergrowth, greasewood.

N.0°3'W., bet. secs. 19 and 20.
Over nearly level land, sloping SW.; thru. scattering undergrowth, in San Simon Valley.
29.40 Wash, 20 lks. wide, course SW.
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,

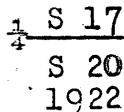


No bearing trees available. Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Continue over nearly level land, thru. scattering undergrowth.
45.00 Wash, 30 lks. wide, course SW. Enter level land.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, marked on brass cap,



No bearing trees available. Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
Land, nearly level and level.
Soil, gravelly loam, 3rd rate.
Timber, none.
Undergrowth, greasewood.

East, on a random line, bet. secs. 17 and 20.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.04 Fall 4 lks. S. of the cor. of secs. 16, 17, 20 and 21.
Thence
S.89°58'W., on a true line, bet. secs. 17 and 20.
Over level land, thru. scattering undergrowth, in San Simon Valley.
31.40 Wash, 10 lks. wide, course NW.
40.02 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,



No bearing trees available. Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
Continue over level land, thru. scattering undergrowth.
80.04 The cor. of secs. 17, 18, 19 and 20.
Land, level.
Soil, gravelly loam, 3rd rate.
Timber, none.
Undergrowth, greasewood.

N.89°53'W., on a random line, bet. secs. 18 and 19.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.66 Fall 2 lks. S. of the reestablished cor. of secs. 18 and 19, on W. bdy. of Tp., hereinbefore described.
Thence

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Chains,

- S.89°52'E., on a true line, bet. secs.18 and 19.
Over nearly level land, sloping W., thru. scattering undergrowth, in San Simon Valley.
- 19.50 Thence over level land.
39.66 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap,
- | |
|------|
| S 18 |
| S 19 |
| 1922 |
- No bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
Continue over level land, thru. scattering undergrowth.
- 79.66 The cor. of secs. 17, 18, 19 and 20.
Land, nearly level and level.
Soil, gravelly loam, 3rd rate.
Timber, none.
Undergrowth, greasewood and scrub mesquite.
-
- N.0° 3'W., bet. secs. 17 and 18,
Over level land, thru. scattering undergrowth, in San Simon Valley.
- 11.50 Wash, 50 lks. wide, course SW.
32.20 Wash, 30 lks. wide, course SW. Enter nearly level land, sloping SW.
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,
- | |
|-----------|
| S18 S17 |
| 1922 |
- No bearing trees available. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
Continue over nearly level land, sloping SW., thru. scattering undergrowth.
- 49.00 Wash, 10 lks. wide, course SW.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 7, 8, 17 and 18, marked on brass cap,
- | |
|-------------|
| T12S R31E |
| S 7 S 8 |
| S18 S17 |
| 1922 |
- No bearing trees available.
Land, level and nearly level.
Soil, gravelly, 3rd rate.
Timber, none.
Undergrowth, greasewood.
-
- N.89° 58'E., on a random line, bet. secs. 8 and 17.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.02 Fall 2 lks. S. of the cor. of secs. 8, 9, 16 and 17.
Thence,
S.89° 57'W., on a true line, bet. secs. 8 and 17.
Over mountainous land, thru. scattering undergrowth.
- 5.40 Ascend 140 ft., over NE slope.
Top of hill, brs. NW. and SE.
Descend 350 ft., over W. slope, to
21.00 Wash, course SW., 30 lks. wide.

Survey of Subdivision lines of Township 12 South, Range 31 East. 53

Chains.	
35.30	Ascend 200 ft., over SE.slope, to Spur, slopes S.
40.01	Descend 150 ft., over W.slope, to Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\begin{array}{r} \frac{1}{4} S 8 \\ S 17 \\ 1922 \end{array}$
	No bearing trees available. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
40.56	Descend 13 ft., over W.slope, to Wash, 20 lks. wide, course SW. Enter rolling land.
45.00	Ascend 15 ft., over SE.slope, to Spur. slopes SW.
50.90	Descend 21 ft., over NW.slope, to Wash, 20 lks. wide, course SW.
60.00	Descend 18 ft., over S.slope, to
78.00	Descend 110 ft., over SW.slope, to Foot of rolling land, brs. NW and SE. Enter nearly level land in San Simon Valley.
80.02	The cor. of secs. 7, 8, 17 and 18. Land, mountainous, rolling and nearly level. Soil, rocky, 3rd rate. Timber, none. Undergrowth, greasewood and ocotillo.

40.00	N. 89° 52' W., on a random line, bet. secs. 7 and 18. Set temp. $\frac{1}{4}$ sec. cor.
79.20	Fall 12 lks. N. of the reestablished cor. of secs. 7 and 18, on W. bdy. of the Tp., hereinbefore described. Thence, S. 89° 57' E., on a true line, bet. secs. 7 and 18. Over nearly level land, sloping SW., thru. scattering undergrowth, in San Simon Valley.
12.70	Wash, 20 lks. wide, course SW.
27.80	Same wash, 20 lks. wide, in bend, course NW. from NE.
39.20	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap, $\begin{array}{r} \frac{1}{4} S 7 \\ S 18 \\ 1922 \end{array}$
	No bearing trees available. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	Continue over nearly level land, thru. scattering undergrowth.
79.20	Ascend slightly over SW.slope, to The cor. of secs. 7, 8, 17 and 18. Land, nearly level. Soil, gravelly, 3rd rate. Timber, none. Undergrowth, greasewood.

	N. 0° 3' W., bet. secs. 7 and 8. Over nearly level land, sloping SW., thru. scattering undergrowth, in San Simon Valley.
2.14	Foot of slope, brs. NW. and SE. Leave San Simon Valley. Enter rolling land.
19.96	Ascend 85 ft., over SW.slope. Spur, slopes W.
30.00	Descend 50 ft., over NW.slope. Wash, 30 lks. wide, course SW.
39.90	Ascend 39 ft., over SE.slope. Point of low spur, slopes SE.
40.00	Descend slightly over NE.slope, to Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in

BOOK 3651

54 Survey of Subdivision lines of Township 12 South, Range 31 East.

Chains.

the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,

$\frac{1}{4}$
 S 7 | S 8
 1922

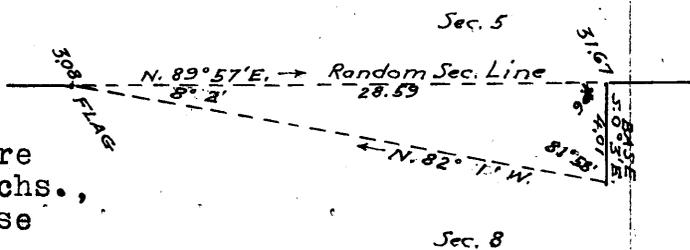
- No bearing trees available.
- Ascend slightly over E. slope; to
- 45.00 Wash, 10 lks. wide, course SE. Enter mountainous land.
- Ascend 350 ft. over S. slope.
- 63.50 Spur, slopes SE.
- Descend 27 ft., over NE. slope.
- 65.90 Wash, 20 lks. wide, course SE.
- Ascend 584 ft., over SE. slope to sec. cor.
- 79.30 Top of cliff, 150 ft. high, brs. NE. and SW., facing SE.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bed rock, deposit a stone, marked with a cross (x) at base of post, and raise a mound of stone around post, for cor. of secs. 5, 6, 7 and 8, marked on brass cap,

T12S | R31E
 S 6 | S 5
 S 7 | S 8
 1922

No bearing trees available.
 Land, nearly level, rolling and mountainous.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, greasewood and ocotillo.

- 3.08 N. $89^{\circ}57'E.$, on a random line, bet. secs. 5 and 8.
 Top of cliffs, bearing NE. and SW., facing SE. Precipitous descent prevents chaining. Triangulate as follows:

Set flag at 3.08 ch. station on random sec. line.



From a point ahead on random sec. line, measure a Base, S. $0^{\circ}3'E.$, 4.01 chs., which is as long a Base as can be chained.

From S. end of Base, the flag brs. N. $82^{\circ}11'W.$
 From N. end of Base, the vertical angle to flag is + 21° .
 Distance on random sec. line = 3.08 chs. N. $89^{\circ}57'E.$
 Distance triangulated, = 28.59 chs. N. $89^{\circ}57'E.$
 Total distance, = 31.67 chs. N. $89^{\circ}57'E.$

- 31.67 Triangulation point, 725 ft. below 3.08 ch. station on random line.
- Continue line and measurement by chaining.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Fall 7 lks. S. of the cor. of secs. 4, 5, 8 and 9.
 Thence,
 S. $89^{\circ}54'W.$, on true line, bet. secs. 5 and 8.
 Over mountainous land, thru. scattering undergrowth.
 Descend 138 ft., over steep W. slope.
- 7.10 Wash, 20 lks. wide, course SW.
- Ascend 60 ft., over SE. slope to spur.
- 15.30 SW. end of cliff, 150 ft. high, bearing NE. and SW., facing SE.
- 16.10 Spur, slopes SW.
- Descend 145 ft., over W. slope.
- 26.40 Wash, 20 lks. wide, course SE.

Survey of Subdivision lines of Township 12 South, Range 31 East. 55

Chains.	
35.50	Ascend 128 ft., over SE.slope.
40.02	Spur, slopes SW. Descend 28 ft., over W.slope, to Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,
	$\begin{array}{r} \frac{1}{4} S \quad 5 \\ S \quad 8 \\ 1923 \end{array}$
48.37	No bearing trees available. Descend 126 ft., over W.slope. Triangulation point. Wash, 20 lks.wide, course SW. Dis- continue chaining. Measurement 28.59 chs.by triangula- tion hereinbefore described.
76.96	Ascend 725 ft., over steep broken SE.slope, to Triangulation point at top of cliff, bearing NE. and SW., facing SE. Continue line and measurement by chaining.
80.04	Ascend 18 ft., over gradual SE.slope, to The cor.of secs. 5,6,7 and 8. Land, mountainous. Soil, rocky, 4th rate. Timber, cedar. Undergrowth, ocotillo and catclaw.
40.00	N.89°57'W., on a random line, bet. secs.6 and 7. Set temp. $\frac{1}{4}$ sec.cor.
79.12	Fall 4 lks.S. of the reestablished cor.of secs.6 and 7, on W. bdy. of the Tp., hereinbefore described. Thence, S.89°55'E., on a true line, bet. secs.6 and 7. Over mountainous land, thru. scattering timber and under- growth. Asc.87 ft., over steep SW.slope, to
2.80	Descend 56 ft., over S.slope, to
5.25	Ascend 90 ft., over SW.slope.
8.80	Top of main ridge of the Orange Butte range of mountains, brs.E. and NW. Thence along top of ridge.
16.80	Descend 90 ft., over E.slope, to Saddle draining NW. and SE. Leave top of ridge, brs.NE. and W. Thence along steep S.slope of ridge.
38.50	Ascend 313 ft. to Wash, 20 lks.wide, course SW.
39.12	Ascend 56 ft., over NW.slope, to Set an iron post, 3 ft.long, 1 in. in diam., 6 ins. in the ground to bed rock, deposit a stone marked with a cross (x) at base of post, and raise a mound of stone around post, for $\frac{1}{4}$ sec.cor., marked on brass cap,
	$\begin{array}{r} \frac{1}{4} S \quad 6 \\ S \quad 7 \\ 1922 \end{array}$
50.00	No bearing trees available. Ascend 400 ft., over steep NW.slope.
60.85	Spur, ridge, brs.NE. and SW. Desc.81 ft. over SE.slope, to
66.65	Head of wash, course SE. Asc.35 ft., over SW.slope.
67.85	Descend 19 ft., over S.slope.
77.32	Ascend 58 ft., over SW.slope.
79.12	Descend 69 ft., over steep SE.slope, to The cor.of secs.5,6,7 and 8. Land, mountainous. Soil, rocky, 4th rate. Timber, cedar. Undergrowth, catclaw and ocotillo.
40.00	N.0°3'W., on a random line, bet. secs.5 and 6. Set temp. $\frac{1}{4}$ sec.cor.
79.75	Fall 25 lks.E. of the cor.of secs.5,6,31 and 32 on N.bdy. of the Tp., established by A.B.Rich, U.S.S. in 1916, which 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,

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56 Survey of Subdivision lines of Township 12 South, Range 31 East.

Chains.

- S. 0°14'E., on a true line, bet. secs. 5 and 6.
Over level land, thru scattering undergrowth.
- 9.70 Wash, 30 lks. wide, course SW. Leave level, and enter gently rolling land. Asc. gradually over NW. slope, to
- 22.30 Wash, 20 lks. wide, course NW. Enter mountainous land and scattering timber. Asc. 126 ft., over NE. slope, to
- 39.75 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap,
- $\frac{1}{4}$
S 6 | S 5
1923
- No bearing trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Asc. 293 ft., over NE. slope.
- 48.40 Spur, slopes NW. Desc. 68 ft., over SW. slope.
- 53.35 Ascend 91 ft., over W. slope, to
- 58.15 Head of wash, course NW.
Ascend 460 ft., over steep broken N. slope.
- 74.40 Bend in main ridge of the Orange Butte Range of mountains, brs. NW. and NE. Desc. 125 ft., over steep SE. slope, to
- 79.75 The cor. of secs. 5, 6, 7 and 8.
Land, level, gently rolling and mountainous.
Soil, gravelly and rocky, 3rd and 4th rate.
Timber, cedar, Undergrowth, greasewood and ocotillo.

From $\frac{1}{4}$ sec. cor. of secs. 7 and 12 on E. bdy. of the Tp.,
John Brailey's house brs. N. 89° W., 2.25 chs. dist.

The continued satisfactory adjustment of the instrument throughout the survey of this Tp. is indicated from tests described in Book "E."

GENERAL DESCRIPTION.

The surface of this Tp. is level, nearly level, gently rolling, rolling and mountainous.

The SW. quarter lies in the San Simon Valley, where the surface is level and nearly level. The northern part of the Tp. lies in the Orange Butte range of mountains. The SE. quarter is mostly mountainous, lying on the SW. slope of the Peloncillo Mountains.

The elevation above sea level ranges from about 3600 ft. in the SW. cor. to 5550 ft. on Midway Peak in sec. 11.

The soil in San Simon valley is mostly sandy and gravelly, 2nd and 3rd rate. The soil of the remainder of the Tp. is gravelly and rocky, 3rd and 4th rate.

There is very little timber in the Tp., just a few scrub cedar on the higher portions, and scattering catclaw and mesquite along the washes. The principal undergrowth is greasewood. At the time of survey, there was very little grass for grazing, but it is probable that the grazing is very good in wet seasons.

There is a spring in sec. 2 called Tulle Well, which is an important watering place for stock. J.M. McKenzie has a well in sec. 24, which also affords water for domestic purposes. There is no water available for irrigation.

There were four settlers on the Tp. at the time of survey: J.M. McKenzie in sec. 24, John Brailey in sec. 12, Norman A. Poland in sec. 1, and Fred H. Pell in sec. 2.

The only purpose for which the land can be utilized is for grazing, there being no evidence of any valuable mineral deposits.

A road extends NE. and SW. thru. the southern part, connecting with several roads in the eastern part, which gives access to the claims of the various settlers.

BOOK 3651

CERTIFICATE OF UNITED STATES SURVEYOR.

58

I, F. W. Chapin, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 119, Arizona, bearing date of the 16th day of December, 1921, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, ^{re} surveyed all those parts or portions of the South and West Boundaries; and surveyed all those parts or portions of the Subdivision lines of

TOWNSHIP 12 SOUTH, RANGE 31 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 ^{re} as having been executed by me, and under my direction; and that all the corners of said resurvey and 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 119, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ^{re} survey and survey.

Place - Phoenix, Arizona
Date - June 30, 1923

F. W. Chapin
 U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, May 14, 1925.

The foregoing field notes of the ^{re} survey of the South Boundary, and West Boundary,

AND OF THE SURVEY OF

Subdivision lines of

TOWNSHIP 12 SOUTH, RANGE 31 EAST,

of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by F. W. Chapin, U. S. Surveyor, under his special instructions dated December 16, 1921, for Group 119, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ^{re} surveys they describe, are hereby approved.

Charles M. Donohoe,
 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.