

3716

Book "F"
4-679

BOOK 3716

FIELD NOTES

OF THE RESURVEY OF

Part of the East Boundary,

Part of the North Boundary, and

Part of the Subdivision lines,

AND OF THE SURVEY OF

Part (completion) of the Subdivision lines of

TOWNSHIP 11 NORTH, RANGE 3 WEST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Glenn F. Sawyer, U.S. Surveyor,

and

Wesson Cook, U.S. Transitman,

In the capacity of U. S. Surveyor.s, under Special Instructions dated April 10., 1924,
issued by the United States Surveyor General to govern surveys included in Group
No. 129, Arizona., which were approved by the Commissioner of the General Land
Office, April 29., 1924, and Assignment Instructions dated Nov. 25., 1924.

Resurvey and Survey commenced February 19., 1925.

Resurvey and Survey completed March 22., 1925.

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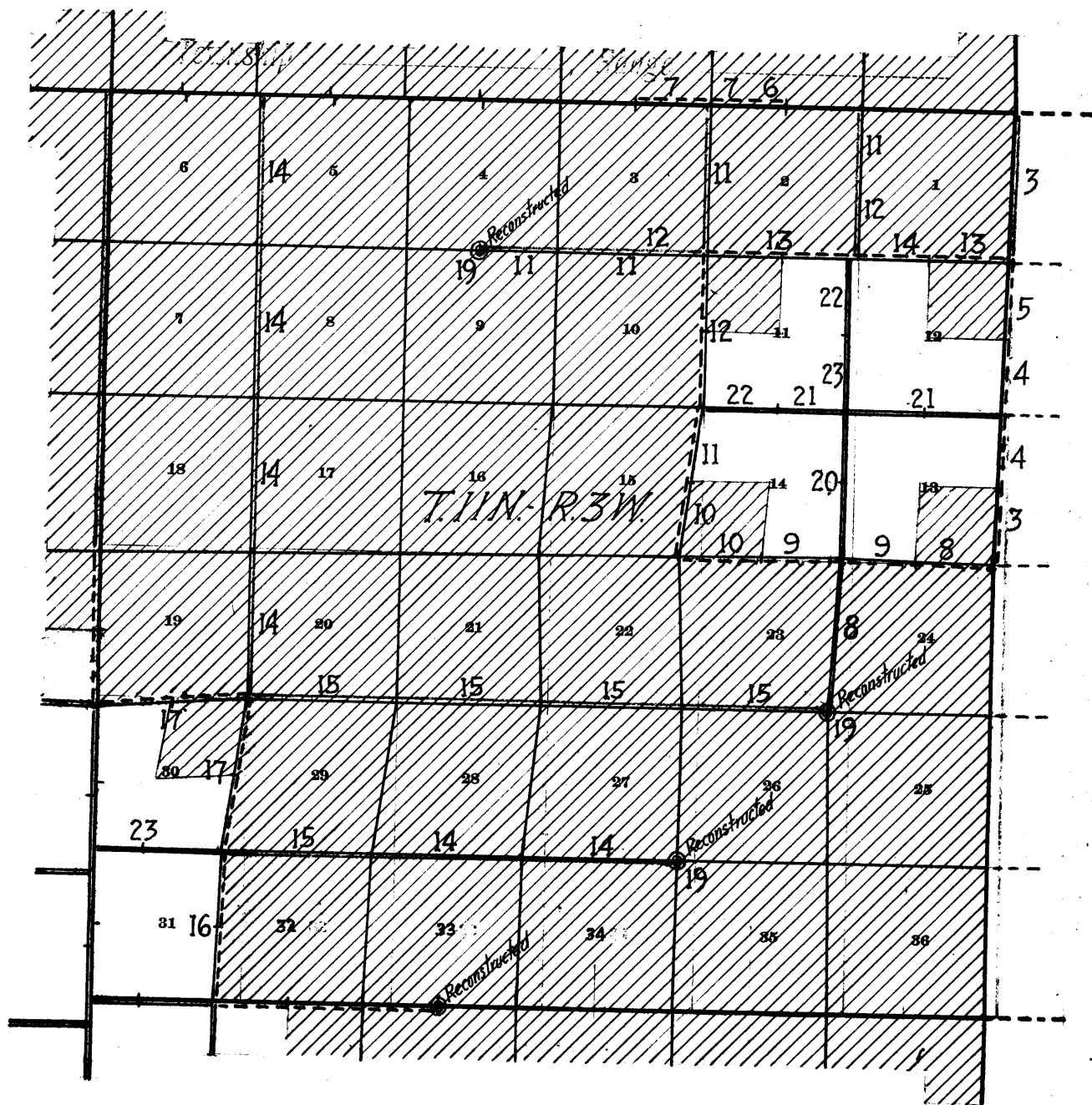
1A







Book "P"

Group 129 - - - Arizona.

BOOK 3716

INDEX DIAGRAM.



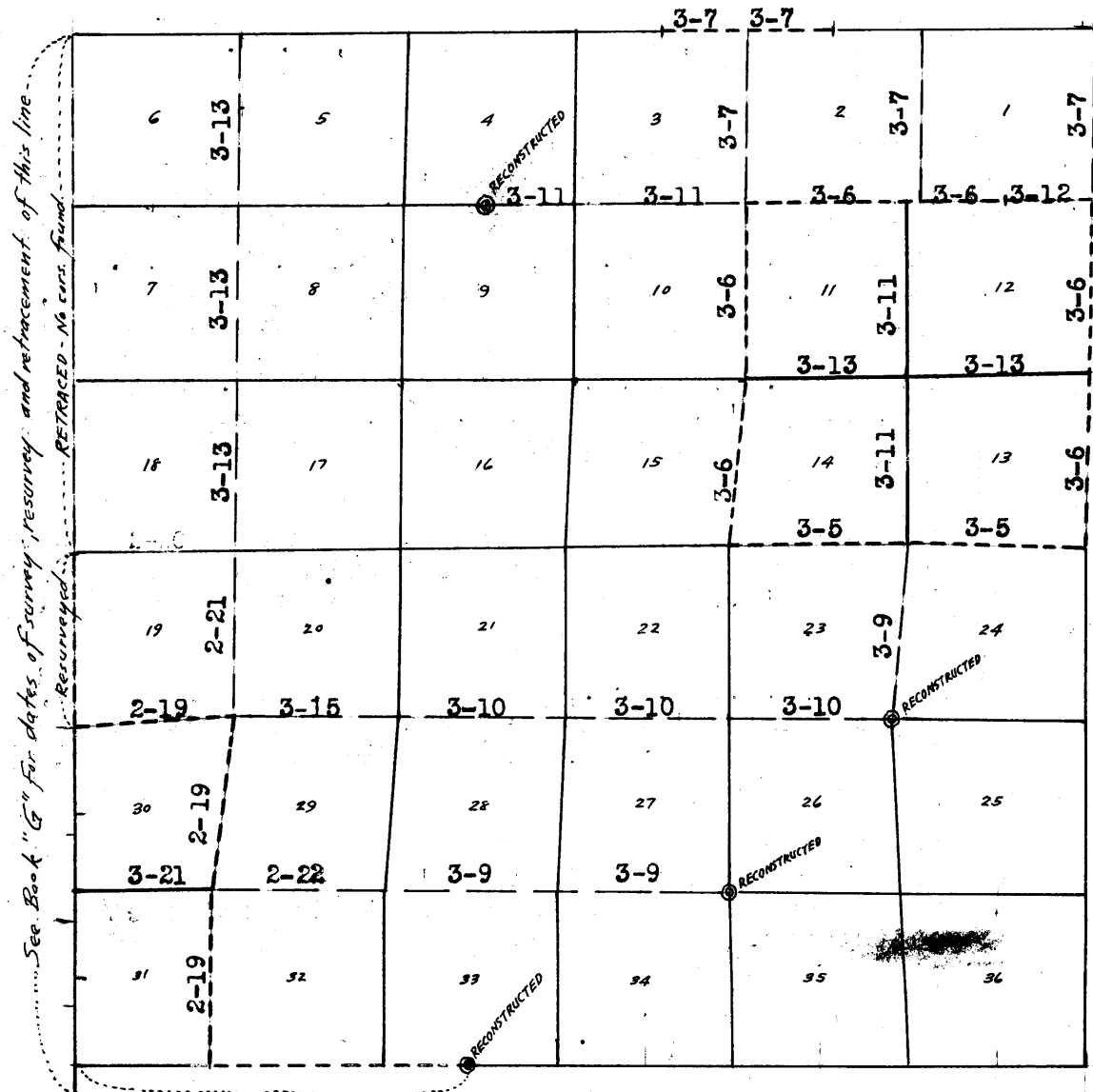
-  Surveyed under this group.
-  Resurveyed under this group.
-  Retraced under this group.
(No intermediate cors. found, reconstructed or reestablished).
-  Accepted surveys.
-  Unsurveyed.
-  Areas surveyed as per accepted plats on file.

Book "F"

Group 129 - - - Arizona.

Township 11 North, Range 3 West.

DATE DIAGRAM
1925.



See Book "E" for dates of survey and resurvey of this line.

- Surveyed by Wesson Cook, U.S.T. on dates shown thereon.
- Retraced by Wesson Cook, U.S.T., on dates shown thereon.
(No intermediate cors. found, reconstructed or reestablished).
- Resurveyed by Wesson Cook, U.S.T., on dates shown thereon.
- Surveyed by Glenn F. Sawyer, U.S.S. on dates shown thereon.
- Retraced by Glenn F. Sawyer, U.S.S. on dates shown thereon.
(No intermediate cors. found, reconstructed or reestablished).
- Resurveyed by Glenn F. Sawyer, U.S.S. on dates shown thereon.
- Surveyed under this group, notes and dates in other books.
- Resurveyed under this group, notes and dates in other books.
- Lines of accepted surveys or resurveys.

Resurveys & surveys herein described were executed on dates shown on diagram on page 1 hereof, by Glenn F. Sawyer, U. S. Surveyor and Wesson Cook, U. S. Transitman, using respectively, Young and Sons light mountain transits No's 8478 and 8541, each equipped with full vertical circle and Smith solar attachment; unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

TEST OF INSTRUMENT NO. 8541.

For preliminary test of solar transit No. 8541, see test made on March 3, 1925 final for TION, R3W. as described in Book "E".

PRELIMINARY TEST OF INSTRUMENT NO. 8478, BY GLENN F. SAWYER, U. S. SURVEYOR.

Feb. 15, 1925: I Examine the adjustments of the transit and find them correct; then to test the solar apparatus by comparing its indications, resulting from observations made during a.m. and p.m. hours with a meridian established by observation on Polaris on Feb. 5, 1925, in the NW. $\frac{1}{4}$ of sec. 22, T10N, R3W., G. and S.R. Base and meridian, latitude, $34^{\circ}12'N$, longitude $112^{\circ}33\frac{1}{2}'W$, and described on page 2 of book "E"; I proceed as follows:

At 8h 0m a.m., l.m.t., I set off $34^{\circ}12'N$. on the lat. arc, $12^{\circ}39\frac{1}{2}'S$. on the decl. arc, and determine a meridian with the solar, which is found to agree with the true meridian.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of which is $12^{\circ}37\frac{1}{2}'S$., which agrees with the computed decl. of the sun.

At 4h 0m, p.m., l.m.t., with the lat. arc unchanged, I set off $12^{\circ}32\frac{1}{2}'S$. on the decl. arc and determine a meridian with the solar, which is found to agree within 1' of the true meridian.

As all of the solar observations during the usual hours of solar work come within $1\frac{1}{2}'$ of the true meridian I conclude that the instrument is ~~is~~ **satisfactory** in adjustment.

Unless otherwise specified, all measurements are made with Lufkin steel tapes, 5 chs. in length, compared with a Lufkin 1 ch. 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.

Chains.

The East bdy. of T.11 N.,R.3 W. was surveyed in 1871, by O.H.Case, U.S.D.S., establishing all sec.and $\frac{1}{4}$ sec.cors. thereon,with a common reference to areas on both sides of the line.

No retracement or resurvey of any part of this range line is of record.

The following notes describe a resurvey of two miles of the line, situate between secs.7 and 12, and bet.secs. 13 and 18, reestablishing sec. and $\frac{1}{4}$ sec.cors. at intervals proportional to those of the original survey, in alignment between existing cors.,and maintaining the original common reference of all cors.

Retracement for Resurvey.

The cor.of Ts.11 and 12 N.,Rs.2 and 3 W., as reconstructed in original position by J.P.Davis,U.S.S. in 1919,is an iron post, 3 ins.in diam.,projecting 12 ins. above ground, firmly set alongside the original cor.monument, a granite stone,13x10x10 ins. above ground, marked with 6 notches on each of N.,S.E.and W.faces. The brass cap on the iron post is properly marked for reference to said Tps.

The accessory to this cor. consists of a mound of stone on the S. No bearing trees.

Thence,
South, on random line, searching diligently at record intervals for the original $\frac{1}{4}$ sec. and sec.cors.

Fail to find a trace of any old cor.monument, until at Fall 5.47 chs.E of the original cor. of secs.13,18,19 and 24, hereinafter described.

238.02

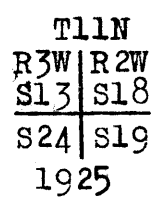
The true course and dist. of the North half of the Range line in T.11 N.,are therefore,N.1°19'E.,238.08 chs., which, to maintain original proportion between cor. intervals, gives six intervals of 39.68 chs.each, for reestablishment of missing cors.

RESURVEY.

The original cor.of secs.13,18,19 and 24, Ts.11 N.,Rs.2 and 3 W. is a malpais rock, 16x12x10 ins., set in mound of stone, with faint chisel marks on S.face.

No accessories. This stone has been locally accepted as the original cor.monument.

Reconstruct this cor.monument, as follows: Remove the mound of stone, and in center of its position, reset old cor. stone, 10 ins. in the ground, and alongside same set an iron post, 3 ft. long, 2 ins. 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 3 ft. base, 20 ins. high, around post, for cor. of secs. 13,18,19 and 24, marked on brass cap,



No bearing trees available.

Thence,
N.1°19'E., on true line, bet. secs.13 and 18.

Over heavily rolling and mountainous land, thru. scattering undergrowth and very scattering timber.

8.00

Ascend 126 ft., over S. slope.

Spur, slopes W.

Descend 25 ft., over N. slope.

9.50

Wash, 30 lks. wide, 2 ft. deep, course W.

BOOK 3716

4 Resurvey of part of E. bdy. of Township 11 North, Range 3 West.

Chains.

- Ascend 695 ft., over SE. slope.
 10.64 Fence, brs. E. and W.
 35.00 Spur, slopes NE.
 Descend 76 ft., over N. slope, to
 39.68 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 reestablished $\frac{1}{4}$ sec. cor. of secs. 13 and 18, marked on brass cap,

$$\begin{array}{c} \frac{1}{4} \\ \uparrow \\ \text{S13} \mid \text{S18} \\ \downarrow \\ 1925 \end{array}$$

from which,

- A juniper, 12 ins. in diam., brs. N. 88° W., 244 lks. dist., marked $\frac{1}{4}$ S 13 BT.
 A juniper, 9 ins. in diam., brs. S. 69° E., 165 lks. dist., marked $\frac{1}{4}$ S 18 BT.
 Descend 40 ft., over N. slope.
 45.00 Gulch, course E.
 Ascend 70 ft., over S. slope.
 50.64 Spur, slopes NE.
 Descend 494 ft., over N. slope, to
 79.06 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 witness cor. to reestablished cor. of secs. 7, 12, 13 and 18, marked on brass cap,

$$\begin{array}{c} \text{W C} \\ \text{T11N} \\ \text{R3W} \mid \text{R2W} \\ \text{S12} \mid \text{S 7} \\ \hline \text{S13} \mid \text{S18} \\ 1925 \end{array}$$

- No bearing trees available.
 Descend slightly over N. slope, to
 79.36 True point for reestablishment of the cor. of secs. 7, 12, 13 and 18, falls in bottom of gulch, course E., where it is impracticable to set monument; therefore, establish witness cor. at 30 lks. S. 1° 19' W., as described above.
 Land, heavily rolling and mountainous.
 Soil, sandy and rocky, 3rd and 4th rate.
 Timber, very scattering juniper.
 Undergrowth, cacti, ocotillo, mesquite, greasewood and catclaw.

- N. 1° 19' E., on true line, bet. secs. 7 and 12.
 Over mountainous land, thru. scattering timber and undergrowth.
 Ascend 10 ft., over S. slope.
 1.70 Spur, slopes E.
 Descend 54 ft., over N. slope.
 12.50 Wash, 10 lks. wide, 2 ft. deep, course E.
 Ascend 235 ft., over SE. slope.
 27.00 Spur, slopes NE.
 Descend 247 ft., over N. slope, to
 39.68 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of secs. 7 and 12, marked on brass cap,

$$\begin{array}{c} \frac{1}{4} \\ \uparrow \\ \text{S12} \mid \text{S 7} \\ \downarrow \\ 1925 \end{array}$$

from which,

Resurvey of part of East bdy. of Township 11 North, Range 3 West. 5

Chains.

A juniper, 12 ins. in diam., brs. S. 17° W., 257 lks. dist., marked $\frac{1}{4}$ S 12 BT.
 A juniper, 8 ins. in diam., brs. N. 61 $\frac{1}{2}$ ° W., 403 lks. dist., marked $\frac{1}{4}$ S 12 BT.
 Descend 86 ft., over N. slope.
 54.00 Wash, 30 lks. wide, course SE., thence over nearly level land, sloping slightly to the SE. and E.
 64.00 Wash, 20 lks. wide, course E.
 69.80 Road, brs. NW and SE.
 78.12 Wire fence, brs. E. and W.
 79.36 Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for reestablished cor. of secs. 1, 6, 7 and 12, marked on brass cap,

T11N
 R3W | R2W
 S 1 | S 6

 S12 | S 7
 1925

from which,
 A juniper, 6 ins. in diam., brs. S. 13 $\frac{1}{2}$ ° W., 608 lks. dist., marked T11N R3W S12 BT.
 No other bearing trees available.
 Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.
 Land, mountainous, and nearly level.
 Soil, sandy and rocky, 2nd and 3rd rate.
 Timber, scattering juniper and pine.
 Undergrowth, cacti, mescal, ocotillo, sage brush and cat-claw.

6 Resurvey of part of North bdy. of Township 11 North, Range 3 West.

Chains.

The North bdy. of T.11 N. R.3 W. was surveyed by O.H. Case, U.S.D.S. in 1871, establishing all sec. and $\frac{1}{4}$ sec. cors. thereon, with a common reference to areas on both sides of the line.

In 1919, J.P. Davis, U.S.S. resurveyed the entire line, and the only original sec. or $\frac{1}{4}$ sec. cor. monument found by him was the cor. of secs. 3, 4, 33 and 34.

Surveyor Davis reconstructed the original cor. of secs. 3, 4, 33 and 34 by setting an iron post alongside the original stone, and retained the original common reference of said cor.

The sec. and $\frac{1}{4}$ sec. cors. of the E. $\frac{1}{2}$ of the line were reestablished at proportional intervals, retaining the original common reference of each, and in the W. $\frac{1}{2}$ of the line two sets of sec. and $\frac{1}{4}$ sec. cors. were reestablished, one set at proportional intervals for reference to areas S. of line only, and the other set at intervals of 40.00 chs. in westing, counting from the cor. of secs. 3, 4, 33 and 34, for reference to areas N. of line only.

No other resurvey and no retracement of the line is of record.

The following notes describe a resurvey of that portion of the line situate bet. the W. halves of secs. 2 and 35, and the E. halves of secs. 3 and 34, said resurvey being required in order to reestablish the Davis cor. of secs. 2, 3, 34 and 35, which is missing.

Retracement for Resurvey.

From reestablished $\frac{1}{4}$ sec. cor. of secs. 3 and 34, hereinafter described,

East, on random line.

40.00 Diligent search in this vicinity fails to reveal any trace of the reestablished cor. of secs. 2, 3, 34 and 35.

Set temp. cor. of said secs. and continue line and measurement.

79.54 Fall 18 lks. S. of the reestablished $\frac{1}{4}$ sec. cor. of secs. 2 and 35, hereinafter described.

The true course and dist. of this part of the Tp. bdy. are therefore, S. 89° 52' W., 79.54 chs., which to maintain original proportion bet. cor. intervals, gives two intervals of 39.77 chs. each, for reestablishment of the missing sec. cor.

RESURVEY.

The reestablished $\frac{1}{4}$ sec. cor. of secs. 2 and 35 is an iron post, 1 in. in diam., projecting 10 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, N. of cor. No bearing trees.

Thence,

S. 89° 52' W., on true line, bet. secs. 2 and 35 (W. $\frac{1}{2}$).

Over rolling land, thru. scattering timber and undergrowth.

Ascend 32 ft., over SE. slope.

6.00 Spur, slopes SW.

Descend slightly over W. slope.

7.60 Wash, 40 lks. wide, course SW.

Ascend 30 ft., over SE. slope.

13.20 Spur, slopes SW.

Descend slightly over W. slope.

15.90 Draw, course SW.

Ascend 40 ft., over SE. slope.

20.20 Spur, slopes SW.

Descend 78 ft., over W. slope.

24.10 Draw, course S. 20° W.

Ascend 27 ft. over SE. slope.

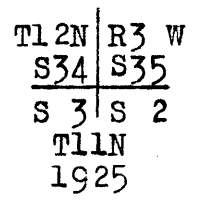
29.00 Spur, slopes S.

Descend 20 ft. over SW. slope.

Resurvey of part of N.bdy. of Township 11 North, Range 3 West. 7

Chains.

- 32.00 Head of draw, course S.
Ascend slightly over SE.slope.
- 34.48 Spur, slopes S.20°W.
Descend 75 ft.,over W. slope.
- 39.40 Wash,40 lks.wide, course S.10°W.
Ascend slightly over SE.slope, to
- 39.77 (Proportional dist.), set an iron post, 3 ft.long, 2 ins.
in diam., 27 ins. in the ground, for reestablished cor.
of secs. 2,3, 34 and 35, marked on brass cap,



No bearing trees available.
 Raise a mound of stone, 2 ft.base, 1½ ft.high,W.of cor.
 Land, rolling.
 Soil,sandy, 2nd rate.
 Timber, juniper.
 Undergrowth,cacti and greasewood.

- 10.04 S.89°52'W., on true line, bet. secs.3 and 34 (E.2).
Over rolling land, thru.scattering timber and undergrowth.
Ascend 60 ft.,over SE. slope.
- 11.84 Spur,slopes S.
Descend 14 ft.,over W.slope.
- 17.04 Draw, course S.
Ascend 54 ft., over SE.slope.
- 18.84 Spur,slopes S.
Descend slightly over W.slope.
- 22.64 Head of draw, course S.
Ascend 25 ft.,over SE. slope.
- 27.34 Spur,slopes S.
Descend 100 ft.,over SW.slope.
- 31.64 Draw, course S.
Ascend 80 ft.,over SE.slope.
- 34.34 Spur,slopes SW.
Descend 40 ft.,over W.slope, to
- 38.68 Head of draw, course SW.
Descend 66 ft.,over SW.slope to ¼ sec.cor.
- 39.77 Intersect fence cor.,from which fences extend N.,S.,E. and
W.
Intersect the reestablished ¼ sec.cor.of secs.3 and 34,
which is an iron post, 1 in.in diam.,projecting 12 ins.
above ground, firmly set, properly marked on brass cap,
and witnessed by a mound of stone N.of cor., and one
bearing tree NE.of cor.

Land, rolling.
 Soil,sandy and gravelly, 2nd rate.
 Timber, juniper.
 Undergrowth,cacti,greasewood and catclaw.

8 Resurvey of part of the Subdivision lines of T.11 N., R.3 W.

Chains.

The subdivision lines of T.11 N., R.3 W. were surveyed in 1871 by O.H. Case, U.S.D.S. Said survey included all of the lines except those bet. secs. 13 and 14, 12 and 13, 11 and 12, 11 and 14, and bet. secs. 30 and 31. No retracement or resurvey of any part of the Subdivision lines of this Tp. is of record. The following notes describe a resurvey of all those subdivision lines which form boundaries of the unsurveyed sections.

Retracement for Resurvey.

- From cor. of secs. 13, 18, 19 and 24 on E. bdy. of Tp., hereinbefore described,
 S. 89° 47' W., on random line, making diligent search at record intervals for the original cor. monuments.
 166.20 Fail to find a trace of any old cor., until at Fall 9 lks. N. of the original cor. of secs. 14, 15, 22 and 23, hereinafter described.
 Thence,
 N. 89° 45' E., on trial latitudinal sec. line, bet. secs. 14 and 23.
 83.10 (Proportional dist.) Set temp. cor. (A) of secs. 13, 14, 23 and 24.
- From original cor. of secs. 23, 24, 25 and 26, hereinafter described,
 North, on random line, bet. secs. 23 and 24.
 40.00 Diligent search in this vicinity fails to reveal any trace of the original $\frac{1}{4}$ sec. cor.
 Continue line and measurement.
 77.76 A point 506 lks. W. of temp. cor. (A) of secs. 13, 14, 23 and 24.
 Continue line and measurement.
 80.00 Diligent search in this vicinity fails to reveal any trace of the original cor. of secs. 13, 14, 23 and 24.
 Set temp. cor. (B) of said secs.
 The point for reestablishment of the sec. cor. by double proportion is therefore at a point 224 lks. N. of the temp. cor. (A) and 506 lks. E. of temp. cor. (B).
 The true courses and lengths of the Subdivision lines extending southerly, easterly and westerly from this reestablished sec. cor. point are therefore:
- Line bet. secs. 23 and 24 = N. 3° 37' E., 80.16 chs.
 Line bet. secs. 13 and 24 = N. 88° 42' W., 83.12 chs., and
 Line bet. secs. 14 and 23 = S. 88° 12' W., 83.14 chs.

RESURVEY.

- From cor. of secs. 13, 18, 19 and 24 on the E. bdy. of the Tp., hereinbefore described,
 N. 88° 42' W., on true line, bet. secs. 13 and 24.
 Over rolling land, thru. very scattering timber and dense undergrowth.
 8.31 Ascend 39 ft., over S. slope, to Fence, brs. N. and S.
 14.26 Descend gradually over SW. slope. Wash, 20 lks. wide, course S.
 15.81 Ascend 40 ft., over E. slope. Spur, slopes S.
 26.16 Descend 45 ft., over W. slope. Wash, 40 lks. wide, course SW.
 39.04 Ascend 65 ft., over E. slope. Spur, slopes SE.
 40.24 Descend 12 ft., over SW. slope, to Wash, 20 lks. wide, course SW.
 41.56 Ascend slightly over SE. slope, to (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 24

Resurvey of part of Subdivision lines of T.11 N., R. 3 W. 9

Chains

ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of secs. 13 and 24, with brass cap, marked

$\frac{1}{4}$ S 13
S 24
1925

- No bearing trees available.
- Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
- Ascend 57 ft., over SE. slope.
- 46.70 Spur, slopes SW.
- Descend 30 ft., over W. slope.
- 51.72 Wash, 20 lks. wide, course SW.
- Ascend 16 ft., over E. slope.
- 52.70 Spur, slopes S.
- Descend 34 ft. over W. slope.
- 54.76 Wash, 10 lks. wide, course S.
- Ascend 96 ft., over E. slope.
- 58.82 Spur, slopes SW.
- Descend 114 ft., over W. slope.
- 66.46 Wash, 15 lks. wide, course SW.
- Ascend 18 ft., over E. slope.
- 69.93 Spur, slopes S.
- Descend 54 ft., over W. slope.
- 74.86 Wash, 20 lks. wide, course SW.
- Ascend gradually over SE. slope.
- 78.77 Spur, slopes SW.
- Descend 55 ft., over W. slope to sec. cor.
- 82.36 Fence, brs. N. and S.
- 83.12 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for reestablished cor. of secs. 13, 14, 23 and 24, with brass cap, marked

T11N | R3W
S14 | S13
S23 | S24
1925

No bearing trees available.
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling.
Soil, sandy and rocky, 3rd rate.
Timber, juniper.
Undergrowth, cacti, greasewood, catclaw and ocotillo.

-
- S. $88^{\circ}12'W.$; on true line, bet. secs. 14 and 23.
 - Over rolling land, thru. dense undergrowth.
 - Descend 15 ft., over SW. slope.
 - 2.05 Wash, 20 lks. wide, course SE.
 - Ascend 38 ft., over E. slope.
 - 15.34 Spur, slopes S.
 - Descend 115 ft., over W. slope.
 - 22.23 Fence, brs. N. and S.
 - 38.14 Wash, 30 lks. wide, course SE.
 - Ascend 20 ft., over E. slope.
 - 40.14 Spur, slopes S.
 - Descend 12 ft., over W. slope, to
 - 41.57 (Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of secs. 14 and 23, with brass cap, marked

$\frac{1}{4}$ S 14
S 23
1925

- No bearing trees available.
- Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
- Descend 40 ft., over W. slope.
- 46.94 Wash, 25 lks. wide, course S.
- Ascend 30 ft., over SE. slope.

BOOK 3716

10 Resurvey of part of Subdivision lines of T, 11 N., R.3 W.

Chains.									
52.30	Spur, slopes SW.								
	Descend 102 ft., over W. slope.								
67.63	Wash, course SW.								
	Ascend gradually over SE. slope.								
69.15	Point of spur, slopes S.								
	Descend 23 ft., over SW. slope.								
70.65	Wash, 100 lks. wide, course S.								
	Ascend 45 ft., over SE. and S. slopes to sec. cor.								
78.94	Fence, brs. N. and S.								
79.30	Road, brs. NW. and SE.								
81.94	Fence, brs. N. and S.								
83.14	Intersect the original cor. of secs. 14, 15, 22 and 23, which is a granite stone, 12x10x8 ins., marked with 2 notches on E. face, and 3 notches on S. face, and set in a small mound of stone. No accessories.								
	Reconstruct this cor. monument, as follows:								
	Remove the mound of stone, and in center of its position, reset the old cor. stone, 8 ins. in the ground, and alongside same, 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 3 ft. base, 16 ins. high around post, for cor. of secs. 14, 15, 22 and 23, with brass cap, marked								
	<table border="1"> <tr> <td>T11N</td> <td>R3W</td> </tr> <tr> <td>S15</td> <td>S14</td> </tr> <tr> <td>S22</td> <td>S23</td> </tr> <tr> <td colspan="2">1925</td> </tr> </table>	T11N	R3W	S15	S14	S22	S23	1925	
T11N	R3W								
S15	S14								
S22	S23								
1925									
	No bearing trees available.								
	Land, rolling.								
	Soil, sandy and rocky, 3rd rate.								
	Timber, none.								
	Undergrowth, cacti, ocotillo, greasewood and catclaw.								

Retracement for Resurvey.

	From original cor. of secs. 10, 11, 14 and 15, hereinafter described,
	South, on random line, bet. secs. 14 and 15.
40.00	Diligent search in this vicinity fails to reveal any trace of the original $\frac{1}{4}$ sec. cor.
	Set temp. cor., and continue line and measurement.
78.98	Fall 9.07 chs. E. of the cor. of secs. 14, 15, 22 and 23, hereinbefore described.
	True course and dist. of line bet. secs. 14 and 15 are therefore N. 6°33'E., 79.50 chs.

RESURVEY.

	From cor. of secs. 14, 15, 22 and 23, hereinbefore described, N. 6°33'E., on true line, bet. secs. 14 and 15.
	Over gently rolling, thru. dense undergrowth and scattering timber.
	Ascend 58 ft., over S. and SW. slopes.
1.80	Wire fence, brs. NW. and SE.
2.40	Road, brs. NW. and SE.
3.20	Wire fence, brs. NW. and SE.
28.00	Low flat spur, slopes S. 20° E.
	Descend 29 ft., over NE. slope, to
30.40	Foot of slope, brs. NW. and SE.
	Thence, over nearly level land.
39.75	(Midpoint) Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of secs. 14 and 15, with brass cap, marked,

Resurvey of part of Subdivision lines of T. 11 N., R. 3 W. 11

Chains.

S15 | S14
1925

from which,
 A hackberry, 6 ins. in diam., brs. S. 84° E., 154 lks. dist., marked $\frac{1}{4}$ S 14 BT.
 A hackberry, 8 ins. in diam., brs. S. 39° W., 115 lks. dist., marked S 15 BT.
 Continue over nearly level land.
 47.00 Wash, 100 lks. wide, 3 ft. deep, course S. 30° E.
 54.00 Foot of slope, brs. NW. and SE. Leave nearly level and enter gently rolling land.
 Ascend 115 ft., over SW. slope, to
 79.50 Intersect the original cor. of secs. 10, 11, 14 and 15, which is a stone 12x8x8 ins. marked with 2 notches on E. face, and set in a mound of stone. No accessories.
 Reconstruct this cor. monument as follows:
 Remove the mound of stone, and in center of its position reset old corner stone 8 ins. in the ground, and alongside same, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, with brass cap, marked

T11N | R3 W
S10 | S11
S15 | S14
1925

No bearing trees available.
 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
 Land, gently rolling and nearly level.
 Soil, sandy and gravelly, 2nd rate.
 Timber, hackberry and willow.
 Undergrowth, scrub oak, mesquite and manzanita.

Retracement for Resurvey.

From cor. of secs. 10, 11, 14 and 15,
 North, on random line, searching diligently at record intervals for the original corner monuments.
 159.28 Fail to find a trace of any old cor. monument; and at Fall 181 lks. W. of the reestablished cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., hereinbefore described.
 Thence,
 S. 0° 39' W., on trial meridional sec. line, bet. secs. 2 and 3.
 79.56 (Proportional dist.) Set temp. cor. (A) of secs. 2, 3, 10 and 11.
 From reestablished cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., hereinbefore described,
 West, on random latitudinal sec. line, searching diligently at record intervals for the original cor. monuments.
 280.80 Fail to find a trace of any old cor.; until at Fall 10 lks. N. of the original $\frac{1}{4}$ sec. cor. of secs. 4 and 9, hereinafter described.
 Thence, N. 89° 59' E., on trial latitudinal sec. line.
 120.42 (Proportional dist.) Set temp. cor. (B) of secs. 2, 3, 10 and 11.
 Continue line and measurement.
 120.90 A point 25 lks. N. of temp. cor. (A) of same secs. set at proportional dist. on the trial meridional sec. line, as hereinbefore described. Continue line and measurement.
 200.70 (Proportional dist.) Set temp. cor. (A) of secs. 1 and 2.
 From cor. of secs. 1, 2, 35 and 36, on N. bdy. of Tp.,
 South, on random line, bet. secs. 1 and 2.
 40.10 Diligent search in this vicinity fails to reveal any trace of the original $\frac{1}{4}$ sec. cor.

12 Resurvey of part of Subdivision lines of T.11 N., R. 3 W.

Chains.

- 79.38 Continue line and measurement.
A point 196 lks.E. of temp.cor.(A) of secs.1 and 2.
- 80.10 Continue line and measurement.
Diligent search in this vicinity fails to reveal any trace of the original cor.of secs. 1,2,11 and 12.
Set stemp.cor.(B) of secs.1 and 2.
The point for reestablishment of the cor.of secs.1 and 2, determined by the trial sec.lines and temp.cors., as hereinbefore described is therefore at 72 lks.S.of temp.cor.(A) of said secs., and 196 lks.W. of temp.cor.(B) of said secs.
The true courses and lengths of the Subdivision lines extending easterly and northerly from this reestablished cor. point are therefore:
S.bdy. of sec.1 = S.89°28'W., 80.10 chs.
Line, bet.secs.1 and 2 = S.1° 24'W., 80.13 chs.
- The point for reestablishment of the cor.of secs.2,3,10 and 11 determined by the trial sec.lines and temp.cors. as hereinbefore described is therefore at 48 lks.W. from temp.cor."A" of said secs.set at proportional dist. on trial meridional sec.line, and 25 lks.S.of temp.cor."B" of same secs.set at proportional dist. on trial latitudinal sec.line.
The true courses and lengths of the subdivision lines extending southerly, easterly and northerly from this reestablished cor. point are therefore:
Line bet.secs.10 and 11 = N.0°18'E., 79.72 chs.
S. bdy.of sec. 2 = S.89°41'E.80.28 chs.
Line bet. secs. 2 and 3 = S.1° 1' W.79.57 chs.
- and the true course and dist. to the original $\frac{1}{4}$ sec. cor. of secs.4 and 9 are N.89°54'W., 120.42 chs.

RESURVEY:

- From cor.of secs.10,11,14 and 15, hereinbefore described, N.0°18'E., on true line, bet. secs. 10 and 11.
Over rolling land, thru. dense undergrowth.
Ascend 212 ft., over SW.slope.
- 20.70 Spur, slopes W.
Descend 159 ft., over NW.slope, to
- 32.60 Foot of slope, brs.NE. and SW. Enter level land.
- 34.60 Fence, brs.N.10°E. and S.10°W.
- 39.86 Set an iron post, 3 ft.long, 1 in. in diam., 28 ins.in the ground, for reestablished $\frac{1}{4}$ sec.cor., marked on brass cap,
 $\frac{1}{4}$
S10 | S11
1925
- from which,
A hackberry, 6 ins.in diam., brs.S.48°E., 185 lks.dist., marked $\frac{1}{4}$ S 11 BT.
A hackberry, 7 ins.in diam., brs.S.3 $\frac{3}{4}$ °W., 190 lks.dist., marked $\frac{1}{4}$ S 10 BT.
- 48.00 Continue over level land, thru.dense undergrowth.
Wash, 100 lks.wide, 2 ft.deep, course SW.
- 54.00 Foot of slope, brs.NE.and SW. Enter rolling land.
Ascend 65 ft., over SE.slope, to
- 60.70 Ascend 55 ft., over E.slope, to $\frac{1}{4}$ sec.cor.
- 77.40 Fence, brs.E.and W.
- 77.60 Road, brs.E.and W.
- 79.72 Set an iron post, 3 ft.long, 2 ins.in diam., 26 ins.in the ground, and deposit a stone marked with a cross (x) at base of post, for reestablished cor.of secs.2,3,10 and 11, marked on brass cap,

Chains.

T11N	R3 W
S 3	S 2
S10	S11
1925	

No bearing trees available.
 Land, rolling and level.
 Soil, sandy and rocky, 2nd and 4th rate.
 Timber, hackberry and cedar.
 Undergrowth, scrub oak, manzanita and catclaw.

S. 89° 41' E., on true line, on S. bdy. of sec. 2.
 Over rolling land, thru. dense undergrowth and scattering timber.

- 0.10 Descend slightly over E. slope.
- 0.10 Wash, 50 lks. wide, 2 ft. deep, course S. 10° E.
- 29.93 Ascend .55 ft., over SW. slope.
- 29.93 Descend 20 ft., over SE. slope.
- 36.00 Wash, 100 lks. wide, 3 ft. deep, course S.
- 36.00 Ascend gradually over S. slope, to
- 40.14 (Midpoint of S. bdy. of sec. 2) Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, for reestablished $\frac{1}{4}$ sec. cor. of secs. 2 and 11, with brass cap, marked

S	2
S 11	
1925	

No bearing trees available.
 Raise a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor.
 Continue over rolling land, thru. scattering timber and dense undergrowth.

- 48.40 Ascend gradually over S. slope.
- 48.40 Wash, 15 lks. wide, 4 ft. deep, course S.
- 60.20 Wash, 20 lks. wide, 1 ft. deep, course S.
- 67.40 Main wash, 80 lks. wide, 3 ft. deep, course SW.
- 67.40 Ascend 62 ft., over SW. slope.
- 70.10 Road, brs. NE. and SW.
- 72.50 Same road, brs. NW. and SE.
- 73.38 Intersect the subdivision line bet. secs. 11 and 12, ~~at~~ Closing cor. of said secs. established at this point, as hereinafter described.
- 73.38 Continue line and measurement.
- 76.35 Descend 23 ft., over S. slope, to
- 80.28 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bed rock, and raise a mound of stone around post, for reestablished cor. of secs. 1 and 2 only, with brass cap, marked

T11N	R3 W
S 2	S 1
S12	
1925	

- from which,
- A pine, 14 ins. in diam., brs. N. 46 1/2° E., 26 lks. dist., marked T11N R3W S1 BT.
 - A juniper, 14 ins. in diam., brs. N. 10 1/2° W., 60 lks. dist., marked T11N R3W S2 BT.

Land, rolling.
 Soil, sandy and gravelly, 2nd and 3rd rate.
 Timber, pine and juniper.
 Undergrowth, scrub oak, catclaw and manzanita.

From reestablished cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., hereinbefore described, S. 89° 28' W., on true line, on S. bdy. of sec. 1.

Resurvey of part of Subdivision lines of T.11 N., R. 3 W.

- Chains.
- Over nearly level land, thru. dense undergrowth and scattering timber, parallel to wire fence about 120 lks.S. of line.
- 14.40 Road, brs.NW. and SE.
- 40.05 (Midpoint of S. bdy. of sec.1) Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for reestablished $\frac{1}{4}$ sec.cor.of secs.1 and 12, marked on brass cap,
- $\frac{1}{4}$ S 1
S 12
1925
- from which,
A juniper, 8 ins. in diam., brs.N. $10\frac{1}{2}^{\circ}$ E., 32 lks. dist., marked $\frac{1}{4}$ S 1 BT.
- No other bearing tree available.
- 46.45 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Road, brs.NE. and SW. Leave nearly level, and enter rolling land.
- 59.75 Descend 106 ft., over NW. slope.
Wash, 50 lks. wide, 2 ft. deep, course S. 70° W.
Ascend gradually over SE. slope.
- 68.45 Wire fence, brs.N. and S.
- 71.20 Descend 57 ft., over S. slope, to
- 80.10 Intersect the reestablished cor. of secs. 1 and 2, hereinbefore described.
- Land, nearly level and rolling.
Soil, sandy and gravelly, 2nd and 3rd rate.
Timber, pine and juniper.
Undergrowth, scrub oak, catclaw and manzanita.

Retracement for . Resurvey.

- From reestablished cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., described in Book "E,"
- North, on random line, on fifth meridional sec. line, searching diligently at record intervals for the original cor. monuments.
- 474.02 Find no trace of any old cor. on this line, and at Fall 14.31 chs. W. of the reestablished cor. of secs. 5 and 6 on the N. bdy. of the Tp., which is an iron post, 2 ins. in diam., projecting 12 ins. above ground, firmly set, properly marked on brass cap, and witnessed by a mound of stone, S. of cor.
- No bearing trees.
- Thence,
S. $1^{\circ}44'$ W., on trial meridional sec. line.
- 316.00 (Proportional dist.) Set temp. cor. (A) of secs. 19, 20, 29 and 30.
- Continue line and measurement.
- 395.13 (Proportional dist.) Set temp. cor. (A) of secs. 29, 30, 31 and 32.
- From original cor. of secs. 26, 27, 34 and 35, hereinafter described,
West, on random line.
- 40.00 Diligent search in this vicinity fails to reveal any trace of $\frac{1}{4}$ sec. cor.
- 80.00 Diligent search in this vicinity fails to reveal any trace of original cor. of secs. 27, 28, 33 and 34.
- Thence,
S. $89^{\circ}49'$ W., on random line, continuing measurement.
- 119.90 Diligent search in this vicinity fails to reveal any trace of $\frac{1}{4}$ sec. cor.
- 159.80 Diligent search in this vicinity fails to reveal any trace of original cor. of secs. 28, 29, 32 and 33.
- Thence,
S. $89^{\circ}52'$ W., on random line, continuing measurement.

Resurvey of part of Subdivision lines of T. 11 N., R. 3 W. 15

Chains.

- 199.70 Diligent search in this vicinity fails to reveal any trace of $\frac{1}{4}$ sec.cor.
- 239.60 Diligent search in this vicinity fails to reveal any trace of original cor.of secs.29,30,31 and 32.
Set temp.cor.(B) of said secs.
Thence,
West, on random line, measuring from temp.cor (B).
- 0.69 A point 33 lks.N.of temp.cor.(A)of secs.29,30,31 and 32, set at proportional dist.on the trial meridional sec. line, as hereinbefore described.
The point for reestablishment of the cor. of secs.29,30,31 and 32 is therefore at 69 lks.E. of temp.cor.(A)of said secs.,and 33 lks.S.of temp.cor.(B)of same secs.
The true course and dist. of line bet.secs.31 and 32 are therefore N.2°14'E.,79.15 chs.
- From original cor.of secs.23,24,25 and 26,hereinafter described,
West, on random line.
- 40.00 Diligent search in this vicinity fails to reveal any trace of $\frac{1}{4}$ sec.cor.
- 80.00 Diligent search in this vicinity fails to reveal any trace of original cor.of secs.22,23,26 and 27.
Thence,
S.89°52'W., on random line, continuing measurement.
- 120.25 Diligent search in this vicinity fails to reveal any trace of original $\frac{1}{4}$ sec.cor.
- 160.50 Diligent search in this vicinity fails to reveal any trace of original cor.of secs. 21,22,27 and 28.
Thence,
N.89°52'W., on random line, continuing measurement.
- 200.60 Diligent search in this vicinity fails to reveal any trace of original $\frac{1}{4}$ sec.cor.
- 240.70 Diligent search in this vicinity fails to reveal any trace of original cor.of secs.20,21,28 and 29.
Thence,
S.89°43'W., on random line, continuing measurement.
- 280.70 Diligent search in this vicinity fails to reveal any trace of the original $\frac{1}{4}$ sec.cor.
- 320.70 Diligent search in this vicinity fails to reveal any trace of the original cor.of secs.19,20,29 and 30.
Thence,
West, on random line, continuing measurement.
- 360.70 Diligent search in this vicinity fails to reveal any trace of the original $\frac{1}{4}$ sec.cor.
- 384.56 Fall 7.96 chs.N.of the reestablished cor.of secs.19,24,25 and 30, on the W.bdy.of the Tp., described in Book "G."
Thence,
N.88°45'E., on trial latitudinal sec.line, bet.secs.19 and 30.
- 76.06 (Proportional dist.)Set temp.cor.(B)of secs.19,20,29 and 30.
Thence,
East, measuring from temp. sec.cor.(B).
- 8.15 A point 3.72 chs.N.of temp.cor.(A)of secs.19,20,29 and 30, set at proportional dist.on trial meridional sec.line, as hereinbefore described.
The point for the reestablishment of the cor.of secs.19,20,29 and 30, by double proportion is therefore at 8.15 chs.E.from temp.cor.(A) of said secs. set on the trial meridional sec.line, and 3.72 chs.N.from temp.cor.(B) of same secs.set on the trial latitudinal sec.line.
The resulting true courses and lengths of the subdivisional lines extending southerly and westerly from this reestablished cor.point are:
- Line bet.secs.29 and 30 =N. 7° 6'E., 79.70 chs.
Line, bet. secs.19 and 30=S.85°57'W., 76.23 chs.
The original cor.of secs.23,24,25 and 26 brs.N.89°27'E., 308.52 chs.
The reestablished cor.of secs.5 and 6 on N.bdy.of Tp.,

BOOK 3716

16 Resurvey of part of Subdivision lines of T. 11 N. R. 3 W.

Chains.

brs.N.0°15'E., 315.85 chs.

RESURVEY.

From the reestablished cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., described in Book "E," N. 2°14'E., on true line, bet. secs. 31 and 32. Over mountainous land, thru. dense undergrowth.

- Ascend 15 ft., over SW. slope.
- 1.00 Granite ledge, slopes W.
Descend 33 ft., over NW. slope.
- 10.30 Wash, 20 lks. wide, course SW.
Ascend 218 ft., over S. slope.
- 26.60 Spur, slopes SE.
Descend 174 ft., over NE. slope.
- 26.90 Wire fence, brs. N. 20°W. and S. 20°E.
- 37.90 Draw, course E.
Ascend 31 ft., over SE. slope, to
- 39.57 (Midpoint of W. bdy. of sec. 32) 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, 5 ft. base, 2½ ft. high, for reestablished ¼ sec. cor. of sec. 32 only, marked on brass cap,

| ¼ S 32

1925

No bearing trees available.

- Ascend slightly over SE. slope, to
- 40.03 (40.00 chs. in northing from cor. of secs. 5, 6, 31 and 32) 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, 4 ft. base, 26 ins. high, for reestablished ¼ sec. cor. for sec. 31 only, marked on brass cap,

| ¼ S 31

1925

No bearing trees available.

- Ascend 70 ft., over SE. slope.
- 42.40 Spur, slopes E.
Descend 259 ft., over NE. slope.
- 54.50 Draw, course E.
Ascend 261 ft., over SE. slope.
- 63.10 Same fence, brs. N. 10°E. and S. 10°W.
- 64.50 Spur, slopes E.
Descend 60 ft., over NE. slope.
- 69.40 Arastra Creek, containing a stream of water, 10 lks. wide, 6 ins. deep, course E.
Ascend 181 ft., over SW. slope.
- 70.10 Fence, brs. NW. and SE.
- 76.00 Spur, slopes SW.
Descend 56 ft., over NW. slope, to
- 79.15 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 3 ft. base, 16 ins. high, around post, for reestablished cor. of secs. 29, 30, 31 and 32, marked on brass cap,

T11N R3 W

S30 | S29

S31 | S32

1925

Land, mountainous.
Soil, rocky, 4th rate.

Resurvey of part of Subdivision lines of of T. 11 N., R. 3 W. 17

Chains.

Timber, none.
Undergrowth, scrub oak, catclaw, mountain mahogany and cacti.

- N. 7° 06' E., on true line, bet. secs. 29 and 30.
Over mountainous land, thru. dense undergrowth.
Descend 150 ft., over NW. slope.
- 8.70 Fence brs. NW. and SE.
9.40 Wash, 10 lks. wide, course SW.
Ascend 159 ft., over broken S. slope, to
39.85 (Midpoint) 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, 5 ft. base, 2½ ft. high, around post, for reestab-
lished ¼ sec. cor. of secs. 29 and 30, marked on brass
cap,

¼
S30 | S29
1925

- No bearing trees available.
Ascend 205 ft., over broken SE. slope, to
79.70 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in
the ground, for reestablished cor. of secs. 19, 20, 29 and
30, marked on brass cap,

T11N R 3W
S19 | S20
S30 | S29
1925

No bearing trees available. Raise a mound of stone, 3 ft.
base, 2 ft. high, W. of cor.
Land, mountainous.
Soil, sandy and rocky, 2nd and 3rd rate.
Timber, scattering cottonwood along Arastra Creek.
Undergrowth, scrub oak, catclaw and manzanita.

- S. 85° 57' W., on true line, bet. secs. 19 and 30.
Over mountainous land, thru. dense undergrowth.
Ascend 59 ft., over SE. slope.
- 6.85 Spur, slopes S.
Descend 251 ft., over SW. slope, to
38.58 (Proportional dist.) Set an iron post, 3 ft. long, 1 in.
in diam., 27 ins. in the ground, for reestablished ¼ sec.
cor. of secs. 19 and 30, marked on brass cap,

¼ S 19
S 30
1925

- No bearing trees available. Raise a mound of stone, 3 ft.
base, 2 ft. high, N. of cor.
Descend slightly over SW. slope.
- 40.95 Road, brs. N. and S.
42.35 Fence, brs. N. and S.
44.05 Arastra Creek, containing a stream of water, 15 lks. wide,
6 ins. deep, course SE.
Ascend 52 ft., over E. slope.
50.35 Point of spur, slopes N.
Descend 41 ft., over W. slope.
52.65 Arastra Creek, containing stream of water, 15 lks. wide, 6
ins. deep, course NE.
Ascend 41 ft., over E. slope.
55.75 Point of spur, slopes S.
Descend 26 ft., over SW. slope.
57.64 Arastra Creek, containing a stream of water, 15 lks. wide,

BOOK 3716

18 Resurvey of Part of Subdivision lines of T. 11 N., R. 3 W.

Chains.

6 ins. deep, course SE.
 Ascend 169 ft., over broken E. slope, to
 76.23 Intersect the reestablished cor. of secs. 19, 24, 25 and 30,
 on W. bdy. of Tp., described in Book "G" of this group.
 Land, mountainous.
 Soil, sandy and gravelly, 3rd rate.
 Timber, scattering ash, and cottonwood along Arastra Creek.
 Undergrowth, scrub oak, mountain mahogany and cacti.

"Reconstruction of those section cor's. in T.11 N., R.3 W. used in the reestablishment by double proportion of certain missing cor's. of the resurveyed lines."

BOOK 3716

19

Chains.

Corner of secs. 23, 24, 25 and 26.

The original cor. of secs. 23, 24, 25 and 26 is a granite stone 25x10x9 ins., firmly set in mound of stone. No marks were visible, but it is said to be the original cor. by Steve Jackson and J. Williams, pioneers, the former being in the country at the time of the original survey. No accessories.

Reconstruct this cor. monument as follows: Remove the mound of stone, and in center of its position, reset old corner stone, 15 ins. in the ground, and alongside same, set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, marked on brass cap,

T11N	R3 W
<u>S23</u>	<u>S24</u>
S26	S25
1925	

No bearing trees available.

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Corner of secs. 26, 27, 34 and 35.

The original cor. of secs. 26, 27, 34 and 35 is a granite stone, 14x10x6 ins., marked with 2 notches on E. face, and 1 notch on S. face, and firmly set in a mound of stone. No accessories.

Reconstruct this cor. monument as follows:

Remove the old mound of stone, and in center of its position, reset the old corner stone 9 ins. in the ground, and alongside same set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, marked on brass cap,

T11N	R 3 W
<u>S27</u>	<u>S26</u>
S34	S35
1925	

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

$\frac{1}{4}$ section cor. of secs. 4 and 9.

The original $\frac{1}{4}$ sec. cor. of secs. 4 and 9, is a stone 12x8x6 ins., firmly set in mound of stone. No accessories.

This is without doubt the original cor. monument.

Reconstruct this cor. monument, as follows:

Remove the mound of stone, and in center of its position, reset old corner stone, 8 ins. in the ground, and alongside same 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 4 ft. base, 2 ft. high, around post, for $\frac{1}{4}$ sec. cor. of secs. 4 and 9, marked on brass cap,

$\frac{1}{4}$	<u>S 4</u>
	S 9
1925	

No bearing trees available.

20 Survey of part(completion)of the Subdivision lines of T.11 N.R.3 W

Chains.

- From the reestablished cor.of secs. 13,14,23 and 24, here-
inbefore described,
North, on true line, bet.secs.13 and 14.
Over rolling land, thru.dense undergrowth.
Ascend 50 ft., over S.slope.
.60 Fence, brs.E.and W.
4.13 Spur, slopes W.
Descend 50 ft., over N.slope.
13.18 Wash, 25 lks.wide, 2 ft.deep, course W. Enter mountainous
land.
Ascend 351 ft., over S.slope.
33.00 Spur, slopes E. Enter rolling land.
Descend 29 ft., over N.slope.
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
3 ft.base, 26 ins. around post, for $\frac{1}{4}$ sec.cor. of secs.
13 and 14, marked on brass cap,

$\frac{1}{4}$
S14 | S13
1925

- No bearing trees available.
Enter scattering timber, brs.E.and W.
Descend 40 ft., over N.slope.
45.00 Ascend 28 ft., over S.slope.
49.44 Spur, slopes E.
Descend 23 ft., over N.slope.
54.43 Draw, course E. Enter mountainous land.
Ascend 289 ft., over rocky SE.slope.
63.40 Spur, slopes SE.
Ascend 48 ft., over E.slope.
73.50 Draw, course SE.
Ascend gradually over W.slope, to
77.03 Intersect the subdivision line bet.secs.12 and 13, surveyed
S.89°43'W., as hereinafter described.
At this point of intersection,
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
4 ft.base, 2 $\frac{1}{2}$ ft.high around post, for cor.of secs.11,
12, 13 and 14, marked on brass cap,

T11N | R3W
S11 | S12
S14 | S13
1925

from which,

- A juniper, 8 ins.in diam., brs.S.21°E., 303 lks.
dist., marked T11N R3W S13 BT.
- A juniper, 4 ins.in diam., brs.S.41 $\frac{1}{2}$ °W., 265 lks.
dist., marked T11N R3W S14 BT.
- A juniper, 12 ins.in diam., brs.N.65°W., 137 lks.
dist., marked T11N R3W S11 BT.

No other bearing tree available.
Land, rolling and mountainous.
Soil, sandy and rocky, 3rd rate.
Timber, juniper.

Undergrowth, scrub palo verde, mountain mahogany, scrub
cedar, pine and juniper, cacti, manzanita, catclaw, sage
brush and scrub oak.

- From cor.of secs.10,11,14 and 15,
East, on randqm line,
40.00 Set temp. $\frac{1}{4}$ sec.cor.of secs.11 and 14.
74.00 Set temp.cor.of secs.11,12,13 and 14.

Survey of part(completion)of Subdivision lines of T.11 N. R.3 W. 21

Chains.

- 119.00 Set temp. $\frac{1}{4}$ sec.cor.of secs.12 and 13.
 158.92 Fall 79 lks.S. of the true point for reestablished cor.of
 secs.7,12,13 and 18, on the E. bdy.of the Tp., witness-
 ed 30 lks.S $1^{\circ}19'$ W., as hereinbefore described.
 From true point for cor.,
 S.89 $^{\circ}43'$ W., on true line, bet. secs.12 and 13.
 Over mountainous land, thru. scattering timber and under-
 growth.
 Along bottom of gulch, course E. Asc.118 ft.to
 4.67 Head of gulch, course E.
 Ascend 430 ft., over precipitous E.slope.
 22.20 Ridge, brs.N.10 $^{\circ}$ E. and S.10 $^{\circ}$ W.
 Descend 200 ft.,over W.slope.
 31.40 Wash,20 lks.wide, course S.
 Ascend 118 ft.,over E.slope..
 36.10 Spur,slopes NE.
 Descend 78 ft., over NW.slope,to
 40.00 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. of secs.12 and 13, marked
 on brass cap,

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

1925

- No bearing trees available.
 Ascend 65 ft.,over E.slope.
 44.63 Spur,slopes NE.
 Descend 47 ft., over NW.slope.
 50.82 Draw, course NE.
 Ascend 20 ft.,over SE. slope.
 56.00 Spur,slopes NE.
 Descend 250 ft.,over W.slope.
 60.36 Top of high rock.
 75.45 Wash,course S.
 Ascend 25 ft.,over E.slope.
 81.44 Spur,slopes S.
 Descend 36 ft., over W.slope,to
 84.90 Intersect the Subdivision line bet. secs.13 and 14,sur-
 veyed due north.
 Cor.of secs.11,12,13 and 14, established at this point,as
 hereinbefore described.
 Land,mountainous.
 Soil,sandy and rocky,3rd and 4th rate.
 Timber, scattering pine and juniper.
 Undergrowth, cacti, catclaw, manzanita,scrub oak, and
 mesal.

- From the cor.of secs.11,12,13 and 14,
 S.89 $^{\circ}43'$ W.,on true line, bet. secs.11 and 14.
 Over mountainous land, thru. scattering undergrowth.
 Descend 312 ft.,over W.slope.
 11.45 Wash, 25 lks.wide,2 ft.deep,course SW.
 Ascend 40 ft.,over E.slope.
 15.21 Spur, slopes S.
 Descend 111 ft., over W.slope,to
 22.31 Wash, 20 lks.wide, 2 ft.deep,course NW.
 Descend 21 ft., over NW.slope,to
 28.12 Wash, 35 lks.wide, 2 ft.deep, course S.;thence over nearly
 level land.
 29.92 Fence, brs.N.and S.
 34.02 (40.00 chs.in easting from cor.of secs.10,11,14 and 15)
 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,
 3 ft.base, 26 ins.high, around post,for $\frac{1}{4}$ sec.cor.
 of secs.11 and 14, marked on brass cap,

22 Survey of part (completion) of Subdivision lines of T.11 N., R.3 W.

Chains.

S 11
S 14
1925

46.81 No bearing trees available.
Continue over nearly level land.
Enter rolling land.
Ascend 28 ft., over E. slope, to

55.92 Spur, slopes S. Enter mountainous land.
Descend 373 ft., over rocky W. slope, to

74.02 Intersect the cor. of secs. 10, 11, 14 and 15, hereinbefore described.
Land, mountainous, nearly level and rolling.
Soil, rocky, 3rd rate.
Timber, none.
Undergrowth, cacti, scrub oak, catclaw and ocotillo.

78.81 From the cor. of secs. 11, 12, 13 and 14,
North, on random line, bet. secs. 11 and 12, for distance only.
Intersect the S. bdy. of sec. 2 at a point 6.90 chs. N. 89° 41' W. for the reestablished cor. of secs. 1 and 2, hereinbefore described.
At point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, for closing cor. of secs. 11 and 12, marked on brass cap,

T11N R3W
S 2
S11 | S12
C | C
1925

from which,
A pinyon, 6 ins. in diam., brs. S. 46° E., 88 lks. dist., marked T11N R3W S12 CC BT.
A juniper, 12 ins. in diam., brs. S. 58 1/4° W., 105 lks. dist., marked T11N R3W S11 CC BT.

Thence,
South, on true line, bet. secs. 11 and 12.
Over rolling land, thru. scattering timber and undergrowth.
Descend 20 ft., over SW. slope.

5.31 Road, brs. E. and W.

5.48 Wash, 35 lks. wide, course W. Enter mountainous land.
Ascend 96 ft., over N. slope.

10.67 Top of high rock, on spur sloping W.
Descend 50 ft., over S. slope.

15.41 Draw, course W.
Ascend 80 ft., over rocky N. slope.

20.16 Rocky spur, slopes W.
Descend 20 ft., over S. slope.

24.11 Draw, course W.
Ascend 203 ft., over NW. slope.

31.82 Spur, slopes NE.
Ascend gradually over E. slope, to

38.32 Same spur, slopes NW.
Descend 20 ft., over W. slope, to

40.00 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 3 ft. base, 30 ins. high, around post, for 1/4 sec. cor. of secs. 11 and 12, with brass cap, marked

S11 | S12
1925

No bearing trees available.

Survey of part(completion)of Subdivision lines of T.11 N. R.3 W. 23

Chains.

69.50 Ascend 391 ft., over W. and NW. slopes.
 Ridge, bears NW. and NE.

78.81 Descend 30 ft., over SW. and W. slopes, to
 Intersect the cor. of secs. 11, 12, 13 and 14.
 Land rolling and mountainous.
 Soil, sandy and rocky, 3rd and 4th rate.
 Timber, juniper and pinyon.
 Undergrowth, cacti, manzanita, greasewood, catclaw, sagebrush
 and scrub palo verde.

From the reestablished cor. of secs. 29, 30, 31 and 32, here-
 inbefore described,
 West, on true line, bet. secs. 30 and 31.
 Over mountainous land, thru. dense undergrowth.
 Descend 120 ft., over NW. slope.

2.40 Fence brs. NW. and SE.

6.90 Arastra Creek, containing a stream of water, 15 lks. wide, 6
 ins. deep, course S. 10° E.

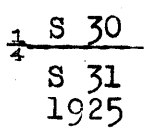
13.20 Ascend 142 ft., over NE. slope, to
 Thence, over rolling land.

15.40 Ascend 65 ft., over N. slope.
 Whitehead's ranch house, brs. N. 3 1/2° E.

28.00 Trail, brs. N. 20° E. and S. 20° W.

35.50 Descend 41 ft., over NW. slope, to

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



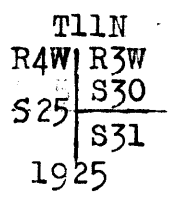
No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft. high, N. of cor.

From this 1/4 sec. cor., Whitehead's ranch house brs. N. 47 1/2° E.

43.00 Descend 30 ft., over NW. slope.
 Gulch, course N. Enter mountainous land.

66.14 Ascend 186 ft., over NE. and N. slopes, to
 Intersect the W. bdy. of the Tp. at a point 13.40 chs. N. of
 the cor. of secs. 25 and 36, T. 11 N., R. 4 W., described
 in Book "G."

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



No bearing trees available. Raise a mound of stone, 3 ft.
 base, 2 ft. high, E. of cor.

Land, mountainous and rolling.
 Soil, sandy and gravelly, 3rd rate.
 Timber, none.
 Undergrowth, scrub oak, catclaw and mountain mahogany.

FINAL TEST OF INSTRUMENT NO. 8541 BY WESSON
COOK, U. S. T.

March 16, 1925: Examine the adjustments of the transit, and find them correct; then, to test the solar apparatus by comparing its indications resulting from observations made during a.m. and p.m. hours with a meridian determined by Glenn F. Sawyer, U.S.S. on March 15, 1925, at camp near center of sec. 26, T. 11 N., R. 4 W., lat. $34^{\circ}16'N.$, long. $112^{\circ}38\frac{1}{2}'W.$, as described in Book "G" proceed as follows:

At 8h. 0m., a.m., l.m.t., set off $34^{\circ}16'N.$, on the lat. arc; $1^{\circ}45'S.$ on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, observe the sun on the meridian, and obtain a reading of $1^{\circ}41\frac{1}{2}'S.$ on the decl. arc, which agrees with the computed decl. of the sun.

At 4h. 0m. p.m., l.m.t., with the lat. arc unchanged, set off $1^{\circ}37'S.$ on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within 1' of the true meridian, conclude that the adjustment of this instrument has remained in satisfactory condition during the execution of the resurveys and surveys described in the foregoing notes.

FINAL TEST OF INSTRUMENT NO. 8478, BY GLENN F.
SAWYER, U.S. SURVEYOR.

March 22, 1925: Examine the adjustments of the transit, and find them correct; Then, to test the solar apparatus by comparing its indications resulting from observations made during a.m. and p.m. hours, with a meridian established by Polaris observation, on March 15, 1925, as described in Book "G" proceed as follows:

At 8h. 0m. a.m., l.m.t., set off $34^{\circ}16'N.$, on the lat. arc; $0^{\circ}37\frac{1}{2}'N.$ on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, observe the sun on the meridian; the resulting reading of the decl. arc is $0^{\circ}40\frac{1}{2}'N.$, which agrees with the computed decl. of the sun.

At 4h. 0m., p.m., l.m.t., with the lat. arc unchanged, set off $0^{\circ}45'N.$ on the decl. arc, and determine a meridian, with the solar, which agrees within 1' of arc, with the true meridian.

As all of the solar observations made during the usual hours of solar work come within 1' of arc with the true meridian, conclude that the adjustment of this instrument has remained in satisfactory condition during the execution of the resurveys and surveys described in the foregoing notes.

Boundaries of sections 11, 12, 13 and 14.

Latitudes, departures, and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
Subdivisional boundary,	N.88°42'W.	83.12	1.89			83.10
	S.88°12'W.	83.14		2.61		83.10
	N.6°33'E.	79.50	78.98		9.07	
	N.0°18'E.	79.72	79.72		.42	
	S.89°41'E.	80.28	.44		80.28	
	N.89°28'E.	80.10	.74		80.10	
East boundary,	S.1°19'W.	158.72		158.68		3.65
Convergency,					.06	
Totals.			161.77	161.29	169.93	169.85
			161.29		169.85	
	Error in latitude.		0.48			
	Error in departure.				0.08	

Boundaries of Sections 30 and 31.

Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
South boundary,	West,	62.98				62.98
West boundary,	North,	153.17	153.17			
Subdivisional boundary,	N.85°57'E.	76.23	5.38		76.04	
	S.7°06'W.	79.70		79.09		9.85
	S.2°14'W.	79.15		79.09		3.08
Convergency,					.03	
Totals.			158.55	158.18	76.07	75.91
			158.18		75.91	
	Error in latitude.		0.37			
	Error in departure.				0.16	

GENERAL DESCRIPTION.

- SURFACE: Mountainous and rolling. Approximate elevation ranges from 4,000 to 4,500 ft. above sea level.
- SOIL: Sandy, gravelly and rocky, 2nd to 4th rate.
- UNDERGROWTH: Scrub oak, sage brush, mountain mahogany, catclaw, palo verde, greasewood and cacti.
- TIMBER: Very scattering juniper, pine and hackberry.
- EVIDENCE OF
MINERAL: Some prospecting and assessment work has been done in sec. 31 some years ago. No other evidence.
- WATERING
PLACES: Sections 11, 12, 13 and 14 lay mostly on Black Mountain, with no water. Arastra Creek runs thru. secs. 30 and 31, producing plenty of good water.
- SETTLEMENT: Sections 11, 12, 13 and 14 are mostly fenced, and have been controlled by cattlemen for many years, but no one resides on land. Richard Whitehead has a goat ranch in sec. 30.
- INDUSTRY: The sections surveyed under this group can be used for grazing purposes only.
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4-680

FIELD ASSISTANTS. TO

Glenn F. Sawyer, U.S. Surveyor, and Wesson Cook, U.S. Transitman,

NAMES.	CAPACITY.
Howard Beard	First chainman
Arthur H. Huckins	First chainman
Vere W. Heard	Second chainman
Girard Murray	Second chainman
C. W. Murray	Flagman
D. E. Morris	Flagman
Henry Kimball	Flagman
R. L. Shackelford	Cornerman
Ivan Dial	Cornerman
Ed Watson	Axeman
Ray Bell	Axeman

CERTIFICATE OF UNITED STATES SURVEYOR AND UNITED STATES TRANSITMAN.

We, Glenn F. Sawyer, U.S. Surveyor, and

Wesson Cook, U. S. Transitman, hereby certify upon honor that, in pursuance

of special instructions received from the U. S. Surveyor General, for Group 129, Arizona,

bearing date of the 10th day of April, 1924, we have well, faithfully, and truly

in our own proper persons, and in strict conformity with said instructions, the Manual of Surveying Instruc-

tions, and the laws of the United States, resurveyed all those parts or portions of the

East and North boundaries, and

Subdivision lines; and surveyed all those parts or portions of the

Subdivision lines of

TOWNSHIP 11 NORTH, RANGE 3 WEST,

of the Gila and Salt

River Base and Meridian, in the State of Arizona,

and by diagram on page 1 hereof

the foregoing field notes as having been executed by us, and under our direction; and that all the corners of

said resurvey

and survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-

tions, and the special written instructions of the U. S. Surveyor General, for Group 129, Arizona,

and in the specific manner described in the field notes, and that the foregoing are the original field notes of

such resurvey

Glenn F. Sawyer

Wesson Cook

Wesson Cook

U. S. Transitman

Phoenix, Arizona

Oct. 23, 1925

Glenn F. Sawyer

U. S. Surveyor.

San Francisco, Calif.

Sept. 2, 1925

APPROVAL.

OFFICE OF THE U.S. SUPERVISOR OF SURVEYS,

Denver, Colorado, June 23 1926.

The foregoing field notes of the resurvey of

Part of the East and North boundaries, and

Part of the Subdivision lines;

and of the survey of

Part (completion) of the Subdivision lines of

TOWNSHIP 11 NORTH, RANGE 3 WEST,

of the Gila and Salt River Base and Meridian, in the State of Arizona,

executed by Glenn F. Sawyer, U.S. Surveyor, and Wesson Cook, U.S. Transitman,

under special instructions dated April 10, 1924, for Group 129, Arizona, having been

critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys

and surveys

they describe, are hereby approved.

Signature of U.S. Supervisor of Surveys

U.S. Supervisor of Surveys.

I certify that the foregoing transcript of the field notes of the above described surveys in

has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.