

3735
Book "F"
4-019

BOOK 3735

FIELD NOTES

OF THE SURVEY OF

Part of the West boundary, and

Part of the Subdivision lines of

TOWNSHIP 2 SOUTH, RANGE 31 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Theodore Vander Meer, U.S. Transitman

In the capacity of U. S. Surveyor, under Special Instructions dated January 5, 1924, issued by the United States Surveyor General to govern surveys included in Group No. 127 Arizona, which were approved by the Commissioner of the General Land Office, February 18, 1924, and Assignment Instructions dated December 5, 1924.

Survey commenced April 18, 1925

Survey completed April 18, 1925

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1A

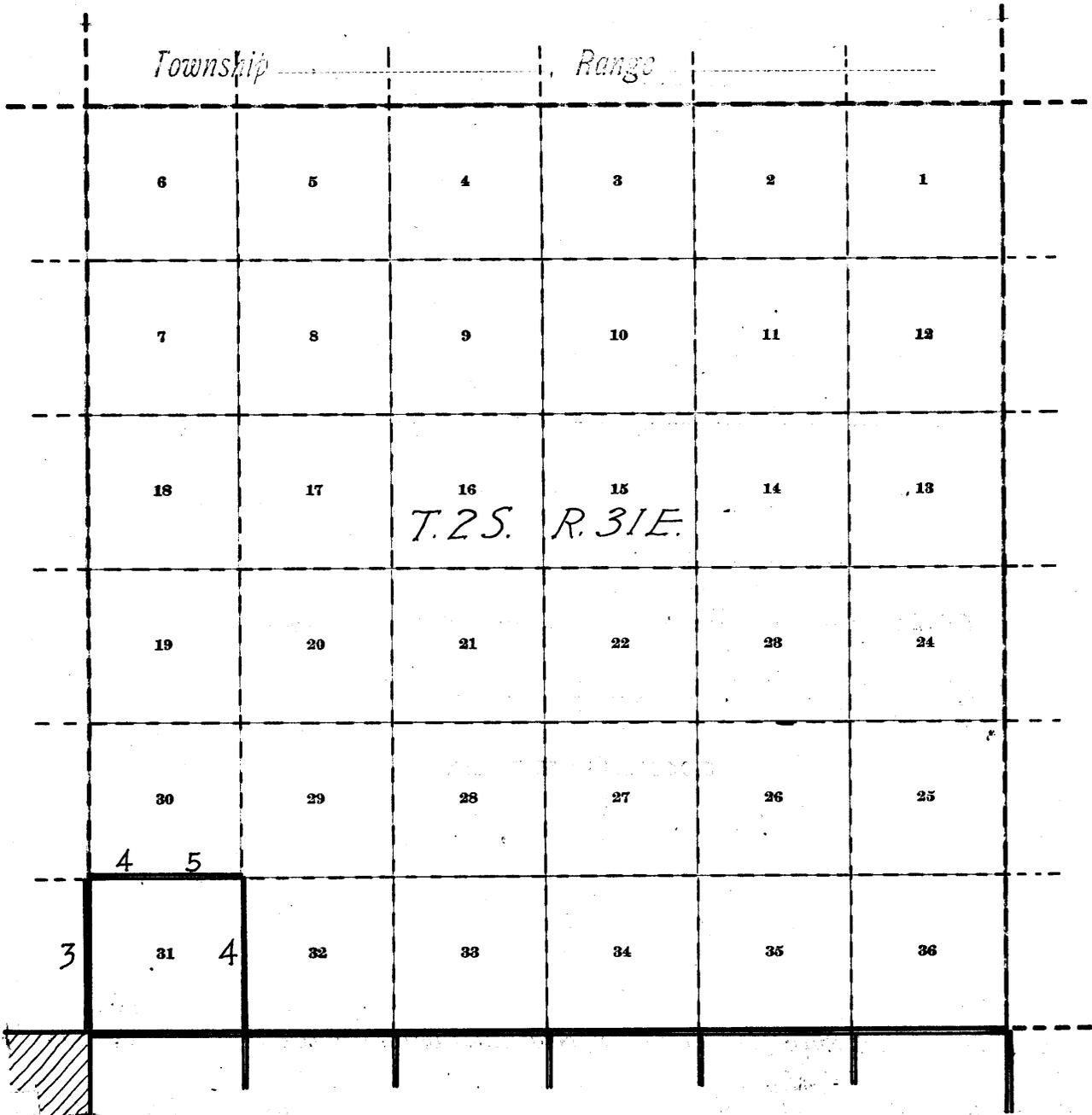
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Book "F"

Group 127- Arizona

BOOK 3735

INDEX DIAGRAM.



— Lines surveyed under this group.

— Accepted surveys.

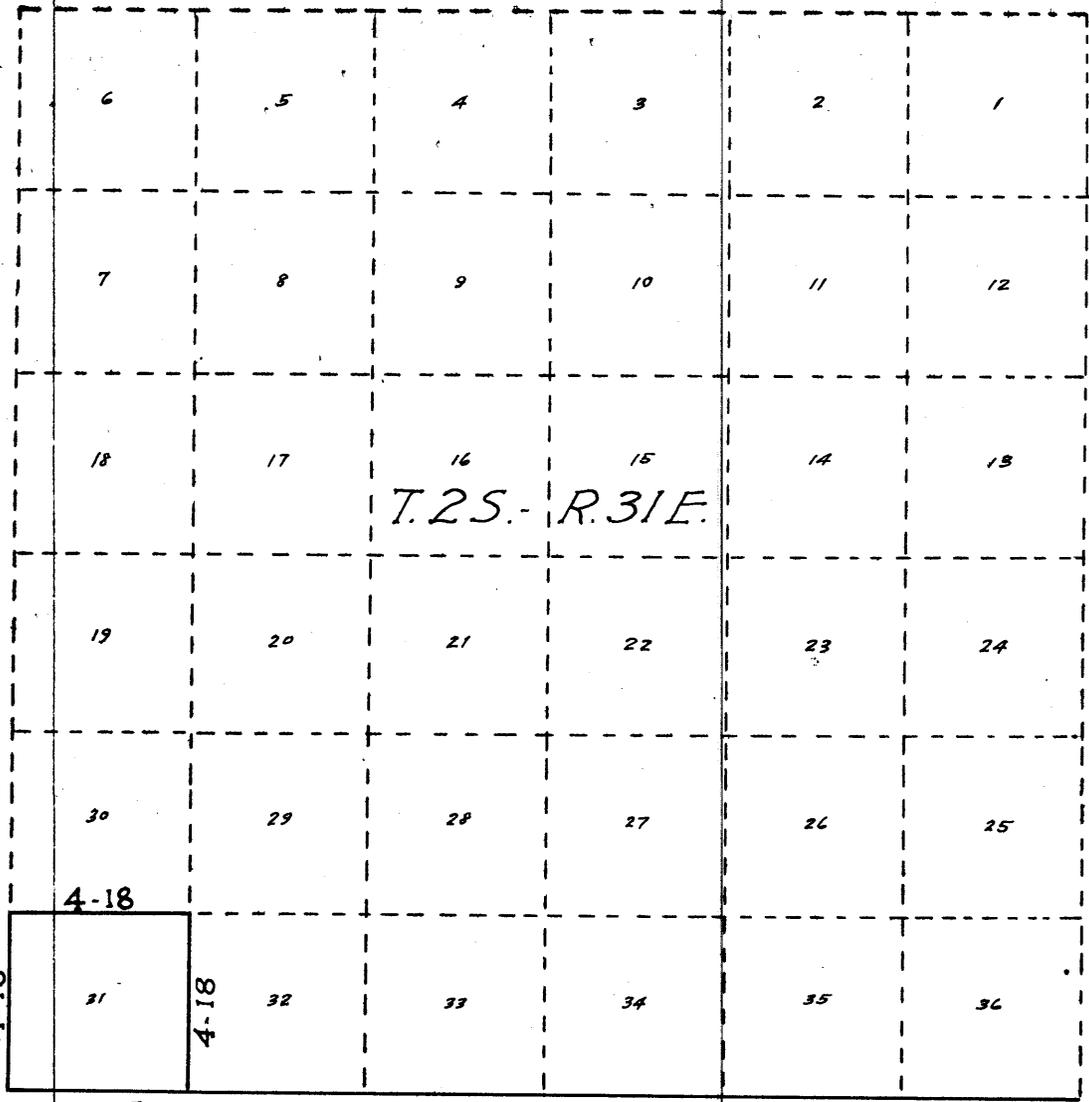
- - - Unserved.

 Areas surveyed as per accepted plats on file.

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BOOK 3735

Book "F"
Group 127 - Arizona
Township 2 South, Range 31 East
DATE DIAGRAM
1925.



For dates of execution of survey of this line see Book "E"

————— Surveyed by Theodore Vander Meer, U.S.T. on dates shown thereon.

————— Surveyed under this group, notes in another book.

- - - - - Unsurveyed lines.

Surveys herein described, were executed on dates shown on diagram on page 1 hereof, by Theodore Vander Meer, U.S. Transitman, using Young and Sons light mountain transit No. 8389, equipped with a full vertical circle and Smith solar attachment; unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

The surveys described in the following notes were made in connection with the survey of T.3 S., R.31 E.; therefore, for preliminary test of instrument see Book "E," and for evidence of continued satisfactory adjustment of the solar apparatus, see final test in same book.

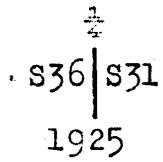
Unless otherwise specified, all measurements are made with a Lufkin steep tape, 5 chs. in length compared with a Lufkin 1 ch. standard steel tape, and found correct.

The measurements are made on the slope, the vertical angles determined with clinometer, and the slope measurements properly reduced to horizontal distances for entry in the field notes.

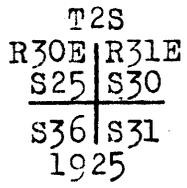
Survey of part of the West boundary of Township 2 South, Range 31 E. 3

Chains.

- From the cor. of Tps. 2 and 3 S., Rs. 30 and 31 E., described in Book "E" of this group, North, on true line, bet. secs. 31 and 36.
- Over mountainous land, thru scattering timber and undergrowth.
- Ascend 30 ft., over S. slope.
- 4.90 Spur, slopes E.
- Descend 275 ft., over NE. slope.
- 20.40 Drain, course NE. Continue descent.
- 27.90 Same drain, course NW. Continue descent.
- 38.40 Wire fence, brs. E. and W.
- 39.20 Drain, 6 lks. wide, course NE.; thence over E. 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 around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,



- No bearing trees available.
- Continue over E. slope.
- 44.40 Spur, slopes NE.
- Descend 200 ft., over NE. slope.
- 54.30 Canyon, 30 lks. wide, course E.
- Ascend 240 ft., over S. slope.
- 63.40 Spur, slopes E.
- Descend 270 ft., over NE. slope.
- 73.00 Enter river bottom land, brs. NW. and SE.
- 74.30 Center of Blue River, water, 30 lks. wide, 6 ins. deep, course SE.
- 76.70 Leave river bottom land, brs. NW. and SE.
- Ascend 170 ft., over SW. 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. 25, 30, 31 and 36, marked on brass cap,



from which,
 A cedar, 6 ins. in diam., brs. S. $45\frac{1}{2}^{\circ}$ E., 135 lks. dist., marked T2S R31E S31 BT.
 A cedar, 6 ins. in diam., brs. S. $10\frac{1}{4}^{\circ}$ W., 96 lks. dist., marked T2S R30E S36 BT.

No other bearing trees available.
 Land, mountainous.
 Soil, volcanic, 3rd rate.
 Timber, cedar, juniper and mesquite.
 Undergrowth, catclaw and yucca.

A Survey of part of the Subdivision lines of T. 2 S., R. 31 E.

Chains.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the
Tp., described in Book "E" of this group,
N. 0° 3' W., bet. secs. 31 and 32.
Over mountainous land, thru scattering timber and under-
growth.

1.60 Descend 20 ft., over N. slope, to
Enter river bottom, brs. E. and W.

4.30 San Francisco River, water, 60 lks. wide, 8 ins. deep, course
W.

26.90 Ascend 529 ft., over precipitous S. slope.
Spur, slopes S. 70° W.

37.70 Descend 219 ft., over NW. slope.
Box Canyon, 30 lks. wide, course S. 70° W.

40.00 Ascend 150 ft., over S. slope, to
Set an iron post 3 ft. long, 1 in. in diam., 22 ins. in the
ground to bed rock, and raise a mound of stone around
post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$
S31 | S32
1925

from which,

A cedar, 8 ins. in diam., brs. N. 65 $\frac{1}{4}$ ° W., 115 lks.
dist., marked $\frac{1}{4}$ S 31 BT.

A cedar, 4 ins. in diam., brs. N. 47 $\frac{1}{2}$ ° E., 118 lks.
dist., marked BT.

45.90 Ascend 140 ft., over S. slope.
Spur, slopes W.

62.20 Descend 210 ft., over N. slope.
Canyon, 20 lks. wide, course S. 71° W.

80.00 Ascend 420 ft., over S. slope, to
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,

T2S | R31E
S30 | S29
S31 | S32
1925

from which,

A cedar, 6 ins. in diam., brs. N. 25° E., 199 lks.
dist., marked T2S R31E S29 BT.

A cedar, 10 ins. in diam., brs. N. 36 $\frac{1}{4}$ ° W., 221 lks.
dist., marked T2S R31E S30 BT.

No other bearing trees available.

Land, mountainous.

Soil, volcanic, 3rd rate.

Timber, cedar, juniper and mesquite.

Undergrowth, catclaw and yucca.

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

78.54 Intersect the W. bdy. of the Tp., 7 lks. S. of the cor. of
secs. 25, 30, 31 and 36, hereinbefore described.

Thence,

S. 89° 55' E., on true line, bet. secs. 30 and 31.

Over mountainous land, thru scattering timber and under-
growth.

18.04 Ascend 410 ft., over SW. slope.
Rim, brs. NW. and SE.; thence over SW. slope, to

38.54 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in
the ground to bed rock, and raise a mound of stone
around post, for $\frac{1}{4}$ sec. cor., marked on brass cap,

$\frac{1}{4}$ S 30
S 31
1925

Survey of part of the Subdivision lines of T.2 S., R.31 E. 5

Chains. No bearing trees available. Raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of cor.
 Ascend 220 ft., over SW. slope.
 57.54 Spur, slopes SW.
 68.84 Descend 150 ft., over SE. slope.
 Bend of hill;
 78.54 Ascend 100 ft., over SW. slope, to
 The cor. of secs. 29, 30, 31 and 32.
 Land, mountainous.
 Soil, volcanic, 3rd rate.
 Timber, cedar, juniper and mesquite.
 Undergrowth, yucca and catclaw.

 Boundaries of sec. 36, Township 2 South, Range 31 East.

Latitudes, departures and closing errors.

| Line designated. | True bearing. | Dist. | Latitudes. | | Departures. | |
|----------------------------|---------------|-------|------------|-------|-------------|-------|
| | | | N. | S. | E. | W. |
| South boundary, | N. 89° 58' W. | 78.51 | .05 | | | 78.51 |
| West boundary, | North, | 80.00 | 80.00 | | | |
| Subdivisional boundary, | S. 89° 55' E. | 78.54 | | .11 | 78.54 | |
| | S. 0° 3' E. | 80.00 | | 80.00 | .07 | |
| Convergency, | | | | | .01 | |
| <u>Totals,</u> | | | 80.05 | 80.11 | 78.62 | 78.51 |
| | | | | 80.05 | 78.51 | |
| <u>Error in latitude,</u> | | | 0.06 | | | |
| <u>Error in departure,</u> | | | | | 0.11 | |

GENERAL DESCRIPTION.

The surface of sec. 31, T.2 S., R.31 E. is mountainous, with the Blue River running southeasterly thru. the sec., and the San Francisco river crossing the SE. cor. There is some level land along these streams.
 The soil is of volcanic origin, generally an adobe formation, tho. it includes a large amount of rock.
 White and black oak, scrub cedar, juniper, yellow pine, cottonwood and sycamore timber is scattered throughout this section, and an undergrowth of yucca and catclaw.
 The Blue River and the San Francisco River afford the only water.
 This section is suitable for grazing purposes.
 There are no settlers, improvements, or evidence of valuable mineral deposits.
 There are no roads in this part of the township.

CERTIFICATE OF UNITED STATES TRANSITMAN.

I, Theodore Vander Meer, U. S. Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 127, Arizona, bearing date of the 5th day of January, 1924, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the West boundary, and Subdivision lines of

TOWNSHIP 2 SOUTH RANGE 31 EAST.

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes and by diagram on page 1 hereof as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 127, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

✓ Roguis Regina June 5, 1925

Theodore Vander Meer U. S. Surveyor Transitman

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS, SURVEYOR GENERAL,

Denver, Colorado, January 11, 1927.

The foregoing field notes of the survey of

Part of the West boundary, and

Part of the Subdivision lines of

TOWNSHIP 2 SOUTH RANGE 31 EAST.

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

executed by Theodore Vander Meer, U. S. Transitman,

under his special instructions dated January 5, 1924, for Group 127, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. 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.