

Book "B"

4-679

BOOK 3691

FIELD NOTES

OF THE SURVEY OF

Part of the Subdivision lines of

TOWNSHIP 1 NORTH, RANGE 14 EAST,

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

Wm. B. Kimmel, U. S. Cadastral Engineer

In the capacity of U. S. Surveyor, under Special Instructions dated October 15, 1923 issued by the United States Surveyor General to govern surveys included in Group No. 124, Arizona, which were approved by the Commissioner of the General Land Office, November 3, 1923, and Assignment Instructions dated November 7, 1923.

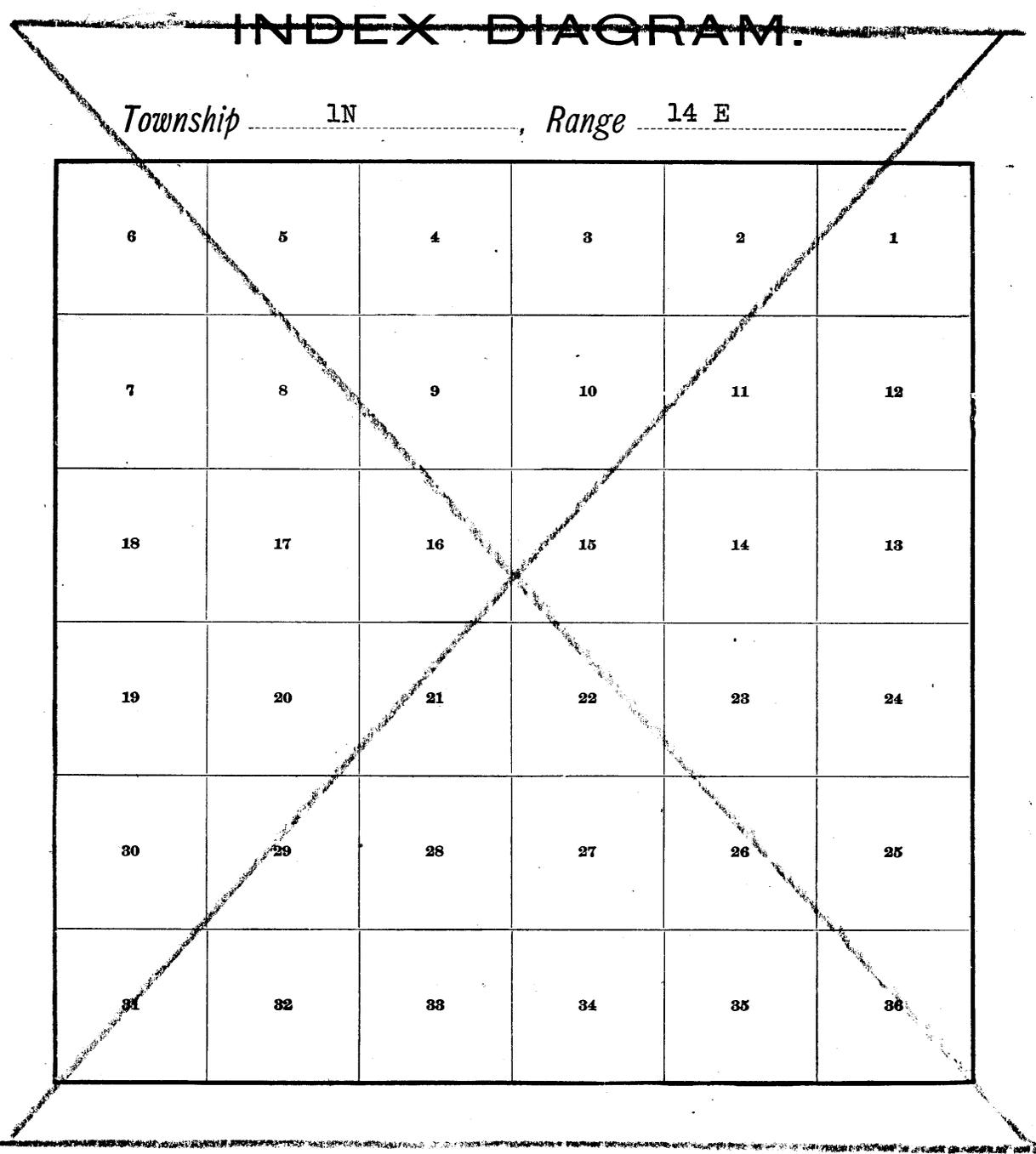
Survey commenced November 26, 1923, ~~1925~~.

Survey completed November 30, 1923, ~~1925~~.

3691

3691

See page 1 for Index Diagram



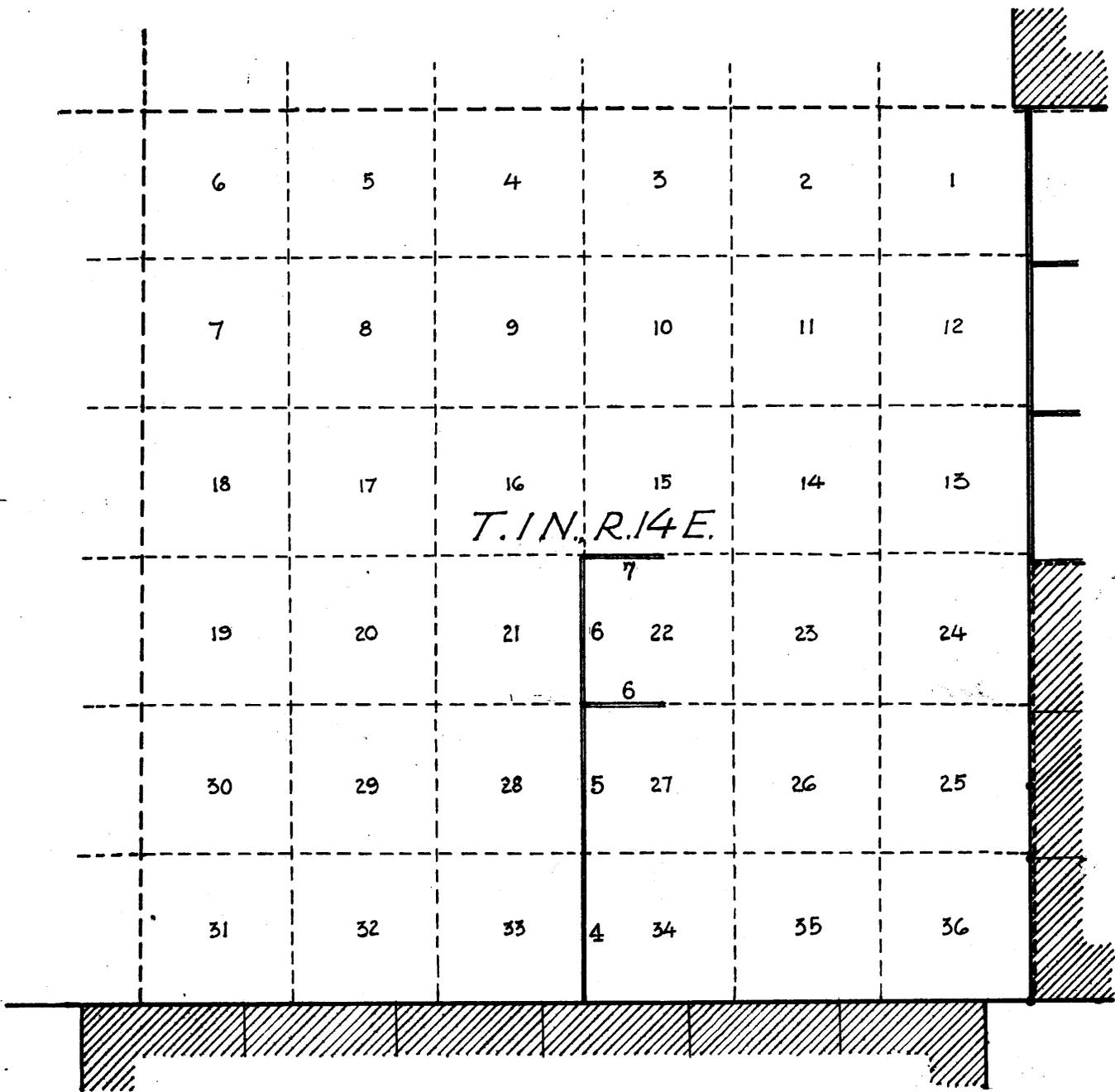
BOOK 3691

Book "B"

Group 124 - - Arizona

Township 1 North, Range 14 East

INDEX DIAGRAM



- ==== Lines surveyed under this Group.
- Resurveyed lines.
- Lines retraced
- Lines of accepted surveys
- Unsurveyed lines
-  Areas surveyed as per accepted plats on file

BOOK 3691

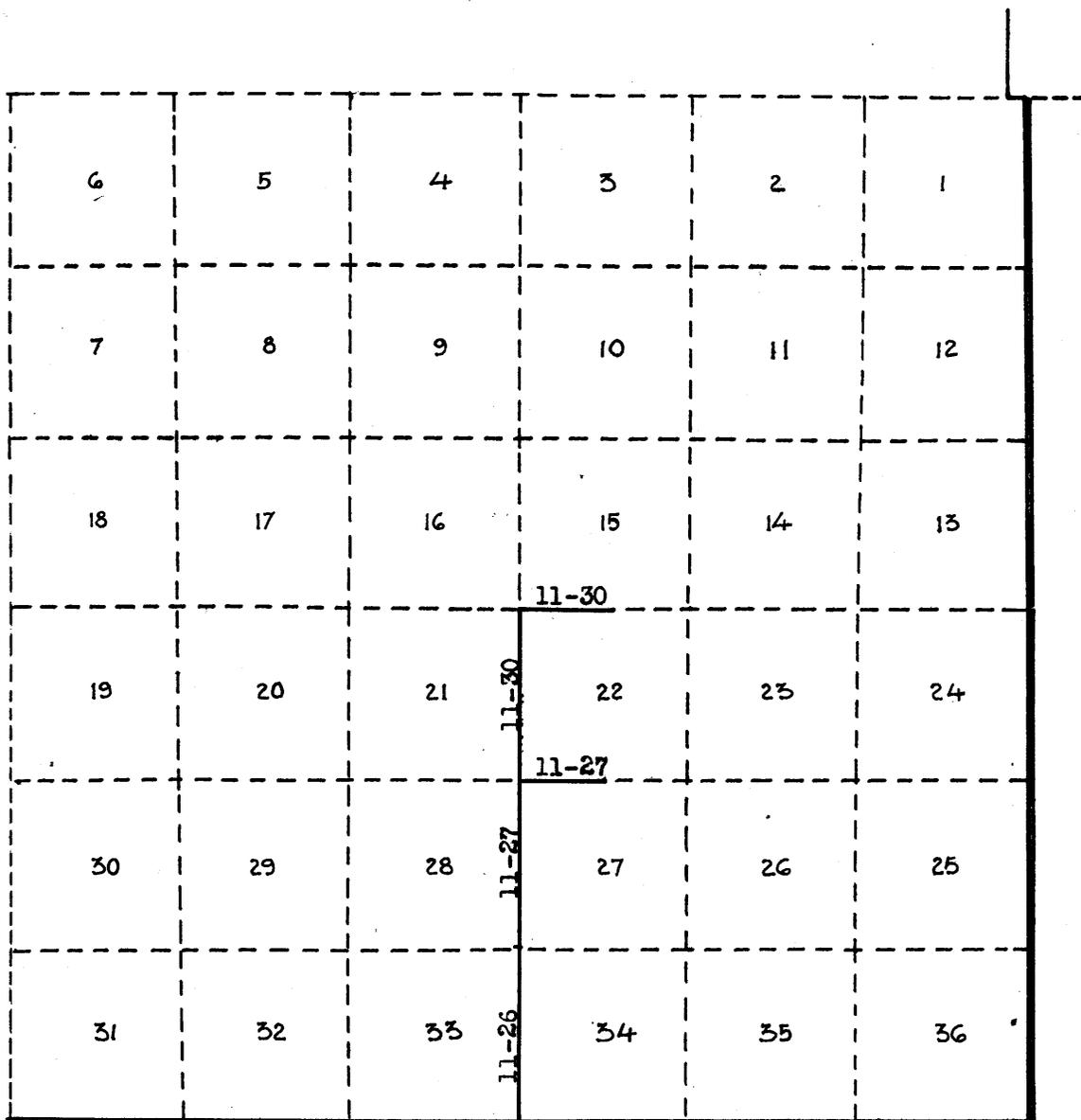
Book "B"

Group 124 - - Arizona

Township 1 North, Range 14 East

DATE DIAGRAM

1923



- Surveyed on dates shown thereon by William B. Kimmel, U. S. Cadastral Engineer.
- Lines of accepted surveys.
- - - - - Unsurveyed lines.
- Lines surveyed under this group, dates in Book "A".
- - - - - Lines resurveyed under this group, dates in Book "A".
- Lines retraced " " " " " " " "

Surveys herein described were executed on dates shown on diagram on page 2 hereof, by Wm. B. Kimmel, U.S.C.E., using W. and L.E. Gurley transit No. 20120, equipped with a full vertical circle and Smith solar attachment; unless otherwise specified, all azimuth determinations are accomplished with the solar attachment.

Nov. 25, 1923: 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 previously established in the NW. $\frac{1}{4}$ of sec. 9, T1N R15E., described in book "A", (Longitude $110^{\circ}50'W.$, Latitude $33^{\circ}27'N.$) I proceed as follows:

Nov. 25, 1923:

At 8h 0m, a.m., l.m.t., I set off $33^{\circ}27'N.$ on the lat. arc, $20^{\circ}35'S.$ on the decl. arc; and determine a meridian with the solar, which I find 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 the decl. arc is $20^{\circ}39'S.$, 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 $20^{\circ}39'S.$ on the decl. arc and determine a meridian with the solar, which I find to agree with the true meridian.

As all of the solar observations during the usual hours of solar work come within $1'30''$ of the true meridian I 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 1 ch. standard steel tape and found correct. The measurements are made on the slope, the vertical angles determined and the slope measurements properly reduced to true horizontal distances.

Chains.

The standard cor. of secs. 33 and 34, R14E, on the Gila and Salt River Base Line, and the S. bdy. of the Tp., is a granite stone 14x10x8 ins. above ground, marked SC on N. and 3 notches on the E. and W. sides. I reconstruct this cor. by setting along side of stone, an iron post, 3 ft. long, 2 ins. dia., 16 ins. in the ground to bed rock, in mound of stone 2 ft. base, 1 ft. high, for standard cor. of secs. 33 and 34, marked on brass cap

SC
T1N R14E
S33 | S34

1923

Thence

N.0°02'W., on true line bet. secs, 33 and 34.
Over rolling rocky mountainous land, through heavy undergrowth and very scattered timber.

Asc. 95 ft. over S. slope.

- 6.90 Spur, slopes E.; desc. 101 ft. over NE. slope.
16.10 Draw, course E.; asc. 93 ft. over S. slope.
22.50 Ridge, brs W. and S. 70°E.; desc. 84 ft. over N. slope.
25.50 Draw, course S.70°E.; asc. 266 ft. over S. slope to $\frac{1}{4}$ sec. cor.
40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec cor., marked on brass cap

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

1923

from which

A cedar, 6 ins. dia., brs N.65°30'E., 2.09 chs. dist., marked $\frac{1}{4}$ S34 BT.

No other tree available

Raise mound of stone, 3 ft. base, 2 ft. high, W. of cor.
Asc. 32 ft. over S. slope.

- 40.90 Old road, brs NE. and SW.
41.80 Ridge, brs E. and W.; desc. 68 ft. over NE. slope.
43.00 Same road, brs N.20°W. and S.20°E.
44.60 Ravine, course S.70° E., Asc. 115 ft. over S. slope.
45.10 Same road, brs E. and W.
47.50 Spur, slopes S.70°E; desc. 67 ft. over N. slope.
50.60 Draw, course SE.; asc. 198 ft. over S. slope.
54.00 Ridge, brs E. and W.; desc. 144 ft. over N. slope.
59.90 Draw, course E.; asc. 100 ft. over S. slope.
69.40 Ridge, brs E. and W.; desc. 217 ft. over N. slope.
75.75 Old road, brs E. and W.
76.65 Draw, course E.; asc. 48 ft. over S. slope.
80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 27,28,33, and 34, marked on brass cap.

T1N R14E
S28 | S27
S33 | S34

1923

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

Land, rolling and steep mountains.

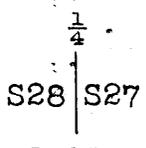
Soil, 4th rate.

Undergrowth, oak brush, corona christe, and spanish dagger.

Timber, very scattered cedar.

Chains.

Trace
 N.0°02'W., bet. secs. 27 and 28.
 Over mountainous land, through scattering timber and heavy undergrowth.
 Asc. 87 ft. over SE. slope.
 8.90 Spur, slopes E.; desc. 203 ft. over NW. slope.
 16.50 Old road, bears E. and W.
 16.81 Intersect ~~SE side line (2,3) of Barney No. 9 patented lode mining claim, Mineral survey No. 2880 at a point 4.78 chs. N-77°28'E from cor. No. 3 thereof, which is an iron post (3 ins. in diam. projecting 15 ins. above ground, firmly set in concrete, and mkd "3-2880 BNYG" and "2-2880 BNYG"~~
 17.20 Wash, 30 lks. wide, course E.; asc. 200 ft. over S. slope.
 24.30 Ridge, brs E. and W.; desc. 266 ft. over N. slope.
 Old road brs E. and W. on top of ridge.
 34.60 Ravine, course E.; Seeping stream in bottom 2 ins. deep, 4 ins. wide, . Asc. 176 ft. over S. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap

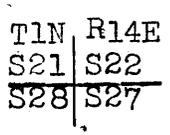


1923

from which
 An oak, 6 ins. dia., brs N.73° 30'E., 1.40 chs. dist., marked $\frac{1}{4}$ S27 BT.
 A cedar, 6 ins. dia., brs N.59°30'W., 1.66 chs. dist., marked $\frac{1}{4}$ S28 BT.
 From $\frac{1}{4}$ sec. cor. a wooden post, 4x4 ins. square, 15 ins. above ground, marked W.cor 1 x B 5 on NW., 4 x B 8 2880 on NE., brs S.47° 43'W., 10.72 chs. dist.
 Asc. slightly over S. slope.

45.50 Spur, slopes E.; desc. 279 ft. over N. slope.
 53.52 Intersect line 1-4 Barney No 26, 10.13 chs. S.78°38'W. from cor. No. 1 Barney No. 26, which is a 3 inch iron post, set in concrete mound 16 ins. above ground, marked 1 2880 Barney 26 on SW side and 4 2880 Barney 25 on SE side.

56.10 Draw, course E.; asc. 275 ft. over S. slope.
 69.40 Ridge, brs E. and W.; desc. 201 ft. over N. slope.
 80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 21,22,27, and 28, marked on brass cap



1923

from which
 A Juniper, 4 ins. dia., brs N.22°E., 136 lks. dist., marked T1N R14E S22 BT.
 A mahogany, 5 ins. dia., brs S.51 $\frac{1}{2}$ °E., 113 lks. dist., marked T1N R14E S27 BT.
 A cedar, 6 ins. dia., brs S.38°W., 61 lks. dist., marked T1N R14E S28 BT.
 A Juniper, 4 ins. dia., brs N.8 $\frac{3}{4}$ °W., 90 lks. dist., marked T1N R14E S21 BT.

Land, steep and mountainous.
 Soil, 4th rate.
 Timber, scattering juniper, cedar, and mahogany.
 Undergrowth, oak brush, cactus, and spanish dagger.

Survey of Part of the Subdivision of T1N R14E.

6

Chains.

East, on true line bet. secs. 22 and 27 (W. 1/2)
 Over rolling mountainous land, through scattering timber
 and heavy undergrowth.
 Asc. 31 ft. over NW. slope.
 2.00 Spur, slopes NE.; desc. 107 ft. over E. slope.
 16.00 Drain, course N; asc. 34 ft. over W. slope.
 17.60 Spur, slopes N.; desc. 105 ft. over E. slope.
 24.60 Drain, course N.; asc. 23 ft. over W. slope.
 38.15 Spur, slopes N.; desc. 62 ft. over E. slope.
 39.20 Ravine, course N.; asc. slightly over W. slope.
 40.00 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in
 the ground, for 1/4 sec. cor., marked on brass cap

1/4 S22
 S27
 1924

from which

An oak, 8 ins. dia., brs S46°W., 34 lks dist.,
 marked 1/4 S27 BT.
 An oak, 8 ins. dia., brs N.59 3/4°W., 100 lks. dist.,
 marked 1/4 S22 BT.
 From this cor. an iron post, 3 ins. dia., 16 ins. above
 concrete, marked on N. side of top SE JRM, brs
 S.13°35'W, 171 chs. dist.

From 1/4 sec. cor. bet. secs. 22 and 27, U.S.L.M., 2652
 brs S.66° 46'E., 8.39 chs. dist., and is a squared 6 in
 wooden post, 5 ft. above ground, set in mound of stone
 6 ft. base, 3 ft. high, marked U.S.L.M. 2652 on E. side.

Land, rolling mountains.
 Soil, 4th rate.
 Timber, scattering juniper, cedar and oak.
 Undergrowth, scrub oak, spanish dagger and cat claw.

From the cor. of secs. 21, 22, 27, and 28.
 N.0°02'W., bet. secs. 21 and 22.

Over rolling and rough mountainous land, through
 heavy undergrowth and scattering timber.

Desc. 246 ft. over NW. slope.

13.80 Wash, 30 lks. wide, course NE.;; continue gradual desc.
 188 ft. over N. slope.

16.50 Road, brs E. and W.

16.50 Frame house brs East, about 12 chs. dist.

17.34 Frame house brs N.61°W, about 8 chs. dist.

17.36 Wire fence, brs NE. and SW.

18.10 Road, brs E. and W.

19.50 Webster Gulch, 40 lks. wide, course E.; asc. 188 ft. over
 S. slope.

20.70 Wire fence, brs E. and W.

21.00 Tent house brs west about 50 lks. dist.

37.20 Wire fence brs E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in the
 ground on bed rock, in a mound of stone, 3 ft. base,
 2 ft. high, for 1/4 sec. cor., marked on brass cap

1/4
 S21 | S22
 1923

from which

Survey of Part of the Subdivision of T1N R14E

Chains.

A cedar, 4 ins. dia., brs N.83 $\frac{3}{4}$ °E., 100 lks. dist., marked $\frac{1}{4}$ S22 BT.

A cedar, 8 ins. dia., brs N.41°30"W., 137 lks. dist., marked $\frac{1}{4}$ S21 BT.

Asc. 430 ft. over S. slope.

63.10 Spur, slopes S.60°E.,; desc. gradually over NE. slope.

75.70 Drain, course SE.; asc. 64 ft. over SW. slope:

77.90 Trail, brs NW. and SE.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 15,16,21, and 22, marked on brass cap.

T1N R14E
 S16 | S15
 S21 | S22

1923

from which

An oak, 14 ins. dia., brs N.15°E., 88 lks. dist., marked T1N R14E S15 BT.

An oak, 14 ins. dia., brs S77 $\frac{1}{2}$ °E., 43 lks. dist., marked T1N R14E S22 BT.

A cedar, 6 ins. dia., brs S.37° W., 177 lks. dist., marked T1N R14E S21 BY.

An oak, 6 ins. dia., brs N.46°W., 50 lks. dist., marked T1N R14E S16 BT.

This cor. falls on ridge, brs E. and W.

Land, rough and rolling mountains.
 Soil, rocky 4th rate.
 Timber, scattering cedar, oak and juniper.
 Undergrowth, scrub oak, spanish dagger and cat claw.

Thence

East, on true line bet. secs. 15 and 22 (W.½)
 Over rocky and broken mountains., through scattering timber and heavy undergrowth.
 Asc. 92 ft. over W. slope

5.70 Ridge, turns to NE. ; desc. 224 ft. over SE. slope.

25.70 Drain, course N.; asc. 45 ft. over W. slope.

37.00 Spur, slopes N.; desc. 41 ft. over NE. slope.

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

$\frac{1}{4}$ S15
 S22
 1923

from which

An oak, 14 ins. dia., brs N.6°E., 79 lks. dist., marked $\frac{1}{4}$ S15 BT.

An oak, 8 ins. dia., brs S.73°W., 117 lks. dist., marked $\frac{1}{4}$ S22 BT.

Land, broken and rolling mountains.
 Soil, rocky 4th rate.
 Timber, scattering cedar and oak,
 Undergrowth, scrub oak, spanish dagger and c at claw.

The continued satisfactory adjustment of the solar during the survey of this township is indicated from field tests as described in Book "C".

GENERAL DESCRIPTION

This township is generally mountainous, Webster Mountain in the northern portion having an elevation of about 6000 feet.

Mineral indications are in evidence, in the south and eastern portions. The extensive disseminated copper deposits of the Inspiration Copper Company lie on either side of the east boundary.

Timber consists principally of scattering cedar, oak and juniper. Undergrowth, scrub oak, Spanish dagger and cat claw.

CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER.

I, William B. Kimmel, U.S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 124, Arizona, bearing date of the 15th day of October, 1923, 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 Subdivision lines of

TOWNSHIP 1 NORTH, RANGE 14 EAST.

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes and by diagram on page 2 hereof as having been executed by me, and under my direction; and that all the corners of said 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 124, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place: Continental, Ariz.
Date: March 10, 1926

William B. Kimmel
U.S. Cadastral Engineer.

APPROVAL.

OFFICE OF U.S. SUPERVISOR OF SURVEYS,

Denver, Colorado, March 17, 1926

The foregoing field notes of the survey of Part of the

Subdivision lines of

TOWNSHIP 1 NORTH, RANGE 14 EAST.

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

executed by William B. Kimmel, U.S. Cadastral Engineer,

under his special instructions dated October 15, 1923, for Group 124, 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.