

4-679
(April 1933)

Book B.

BOOK 3996

FIELD NOTES

of the

dependent resurvey of a portion of the Third Standard Parallel South,
through Range 17 East, and of a portion of the subdivisional lines of
Township 16 South, Range 17 East,

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Charles E. Hunter, U.S. Transitman

Under special instructions dated October 8, 1932, which provided
for the surveys included under Group No. 179, bearing the approval of the
Commissioner of the General Land Office under date of November 4, 1932,
and assignment instructions dated November 16, 1932.

Survey commenced December 15, 1932.

Survey completed December 26, 1932.

3996

3996

BOOK 3996

INDEX DIAGRAM.

Township *16 South*, Range *17 East*
3rd Standard Parallel South | 1 | 2

70.00	8	5	4	3	2	5	1	6
								3
	7	6	9	10	11			12
	18	17	16	15	14			13
	19	20	21	22	23			24
	28	29	28	27	26			25
78.20	31	32	33	34	35			36

Resurvey of a Portion of the 3rd Standard Parallel South 13
of T. 15 S., R. 17 E.

BOOK 3996

Chains. The resurvey of a portion of the Third Standard Parallel South, T. 15 S., R. 17 E., and a portion of the subdivisions of T. 16 S., R. 17 E., was executed with a light mountain transit made by Young and Sons, Serial No. 8584, constructed in accordance with the standard specifications of the General Land Office. For description and tests of instrumental equipment and preliminary observations, see field notes of the resurvey of the Third Standard Parallel South, T. 15 S., R. 18 E., and resurvey and survey of a portion of the subdivisions of T. 16 S., R. 18 E., surveyed under this group.

The Third Standard Parallel South, T. 15 S., R. 17 E., was surveyed in 1873 by T. F. White, U. S. Deputy Surveyor, and resurveyed in 1893 by J. H. Martineau, U. S. Deputy Surveyor.

The subdivisional lines of the greater part of T. 16 S., R. 17 E., was surveyed by T. F. White, U. S. Deputy Surveyor in 1874.

The following notes describe the resurvey of the E. $1\frac{1}{2}$ miles of the Third Standard Parallel South through R. 17 E., and the S. and W. bdy. of sec. 1, T. 16 S., R. 17 E.

From the standard $\frac{1}{4}$ sec. cor. of sec. 35, T. 15 S., R. 17 E.

East on a random line along S. bdy. of sec. 35.

39.31 A point 16 lks. N. of the original standard cor. of secs. 35 and 36.

Thence from cor.

East on a random line along S. bdy. of sec. 36.

38.48 A point 31 lks. N. of the original standard $\frac{1}{4}$ sec. cor.

Thence from cor.

East on a random line along S. bdy. of sec. 36.

39.45 No trace of the original standard cor. of Tps. 15 S., Rs. 17 and 18 E.

40.00 Set temp cor.

I return to the standard $\frac{1}{4}$ sec. cor. on S. bdy. of sec. 35, which is an old mound of stone 3 ft. base, 2 ft. high. I find no trace of the old post.

At point for cor.

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for standard $\frac{1}{4}$ sec. cor. with brass cap mkd.

S C
 $\frac{1}{4}$ S 35

1932

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

Thence

Resurvey of a Portion of the Third Standard Parallel South
of T. 15 S., R. 17 E.

- Chains. S.89°46'E., on a true line along S. bdy. of sec. 35.
Over mountainous land, through desert growth.
Ascend 75 ft. over SW. slope.
- 13.01 Ravine, course S.70°W.; continue ascending 270 ft. over
NW. slope.
- 39.31 The original standard cor. of secs. 35 and 36, which is
an old mound of stone 2 ft. base, 1½ ft. high. I find
no evidence of the old post.
At point for cor.
- Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in
the ground for standard cor. of secs. 35 and 36. with
brass cap mkd.
- | | | |
|------|----------|---|
| | S C | |
| T 15 | S R 17 | E |
| S 35 | S 36 | |
- 1932
- from which
- A mahogany, 14 ins. diam., bears N.8¼° E., 336 lks.
dist., mkd. T15S R17E S36 SC BT
- A mesquite, 8 ins. diam., bears N.81°W., 225 lks.
dist., mkd. T15S R17E S35 SC BT
- Land, mountainous.
Soil, rocky; 4th rate.
Timber, scattered mahogany and mesquite.
Undergrowth, catclaw, cactus, and mesquite.
-
- S.89°32'E., on a true line along S. bdy. of sec. 36.
Over mountainous land, through scattered timber and
desert growth.
- Ascend 110 ft. along top of spur.
- 4.70 Leave spur, slopes W.; asc. 169 ft. over SW. slope.
- 9.20 Head of ravine, course SW.; continue ascending.
- 21.20 Top of ridge, bears N. and S.; desc. 258 ft. over SE.
slope.
- 35.10 Bottom of canyon, course S.; asc. 100 ft. over SW. slope.
- 38.48 The original standard ¼ sec. cor. of sec. 36, which is
a mesquite stake, 3½ ft. long, set in crevice alongside
of granite boulder, mkd. ¼ S.
- At point for cor.
- Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in
the ground at base of granite boulder, 3x5x2 ft. high,
for standard ¼ sec. cor. with brass cap mkd.

S C
¼ S 36

1932

Resurvey of a Portion of the Third Standard Parallel South 3

of T. 15 S., R. 17 E.

BOOK 3996

Chains.

from which

A mesquite limb, 8 ins. diam., bears N.40°W., 194 lks. dist., mkd. $\frac{1}{4}$ S36 SC BT

A mahogany, 12 ins. diam., bears N.62 $\frac{1}{2}$ °E., 287 lks. dist., mkd. $\frac{1}{4}$ S36 SC BT

Thence

East on a true line along S. bdy. of sec. 36.

Over mountainous land, through scattered timber and desert growth.

Ascend 144 ft. over steep SW. slope.

5.80 Spur, slopes S.20°W.; desc. 122 ft. over SE. slope.

13.90 Gulch, course S.10°E.; asc. 277 ft. over steep SW. slope.

25.00 Spur, slopes S.; desc. 106 ft. over SE. slope.

31.70 Fence, bears N. and S.

33.60 Gulch, course S.20°W.

33.70 Enter canyon, course SW.

36.50 Leave canyon, course W.; asc. 76 ft. over SW. slope. from S.70°E.

40.00 Set an iron post, 3 ft. long, 3 ins. diam., on surface rock, with a cross X, mkd. at base of post, and in a mound of stone to top, for standard cor. of T.15 S., R. 17 E., only, with brass cap mkd.

S C.
T 15 S
R 17 E.
S 36

1932

from which

A white oak, 10 ins. diam., bears N.76 $\frac{1}{2}$ °W., 146 lks. dist., mkd. T15S R17E S36 SC BT

A white oak, 8 ins. diam., bears N.49 $\frac{1}{2}$ °W., 145 lks. dist., mkd. T15S R17E S36 SC BT

Land, mountainous.

Soil, rocky; 4th rate.

Timber, scattered oak, mahogany and mesquite.

Undergrowth, catclaw, cactus, manzanita and yucca.

Resurvey of a Portion of the Subdivisions

of T. 16 S., R. 17 E.

From the cor. of secs. 1,6,7 and 12. on E. bdy. of Tp.

West on a random line bet. secs. 1 and 12.

42.53 A point 80 lks. N. of the original $\frac{1}{4}$ sec. cor.

Thence from cor.

Resurvey of a Portion of the Subdivisions

of T. 16 S., R. 17 E.

Chains	West on a random line bet. secs. 1 and 12.
38.70	A point 11 lks. S. of the original cor. of secs. 1, 2, 11 and 12. I return to the cor. of secs. 1, 6, 7 and 12 on E. bdy. of Tp., which is an iron post, 2 ins. diam., 18 ins. above ground, firmly set in a mound of stone, mkd. and witnessed as described in the field notes of the resurvey and survey of a portion of the W. boundary of T. 16 S., R. 18 E., surveyed under this group. Thence S. 88° 55' W., on a true line bet. secs. 1 and 12. Over rolling land, through scattered desert growth. Descend 163 ft. over W. slope.
4.20	Ravine, course SW.
8.40	Gulch, 50 lks. wide, course S. 200 lks. dist. thence SW.; asc. 97 ft. over SW. slope.
17.30	Spur, slopes S. 20° W.; desc. 127 ft. over SW. slope.
31.70	Center of wash, 40 lks. wide, course S.; asc. 78 ft. over gradual SE. slope,
37.60	Wash, 20 lks. wide, course SE.; continue ascending.
42.54	The original $\frac{1}{4}$ sec. cor. of secs. 1 and 12, which is a mesquite stake, 3 ft. long, unmarked, set in a mound of stone. At point for cor. Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock, with a granite stone, 10x8x6 ins. mkd. X, deposited at the base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd. $\frac{1}{4} \frac{S 1}{S 12}$ 1932 from which The original bearing trees: A dead mesquite limb, 3 ins. diam., bears S. 41° E., 17 lks. dist., blaze not opened. A mesquite, 7 ins. diam., bears S. 79 $\frac{1}{2}$ ° W., 123 lks. dist., mkd. $\frac{1}{4}$ S Thence N. 89° 50' W., on a true line bet. secs. 1 and 12. Over rolling land, through scattered desert growth. Descend 40 ft. over SW. slope.
9.90	Wash, 10 lks. wide, course S. 20° E.; asc. 160 ft. over SE. slope.
22.00	Spur, slopes S.; desc. 142 ft. over W. slope.

Resurvey of a Portion of the Subdivisions
of T.16 S., R.17 E.

BOOK 3996

Chains																					
32.60	Ravine, course S.20°W.; asc.126 ft. over SE. slope.																				
38.70	The original cor. of secs. 1, 2, 11, and 12, which is a mesquite stake, $3\frac{1}{2}$ ft. long, marks illegible, set in a mound of stone. At point for cor. Set an iron post, 3 ft. long, 2 ins.diam., 12 ins. in the ground to bed rock, with a granite stone 4x8x10 ins.mkd. X, deposited at the base, and in a mound of stone to top for cor. of secs. 1, 2, 11, and 12, with brass cap mkd. <div style="text-align: center;"> <table style="margin: auto;"> <tr><td>T 16</td><td>S</td><td>R</td><td>17</td><td>E</td></tr> <tr><td>S 2</td><td> </td><td>S</td><td>1</td><td></td></tr> <tr><td>S 11</td><td> </td><td>S</td><td>12</td><td></td></tr> <tr><td colspan="5" style="text-align: center;">1932</td></tr> </table> </div> Land, rolling. Soil, rocky, 4th. rate. Timber, none. Undergrowth, cactus, palo verde, mesquite, catclaw, and ocotillo.	T 16	S	R	17	E	S 2		S	1		S 11		S	12		1932				
T 16	S	R	17	E																	
S 2		S	1																		
S 11		S	12																		
1932																					
	North, on a random line bet. secs. 1 and 2.																				
40.00	Find no trace of the original $\frac{1}{4}$ sec. cor. Set temp. cor.																				
66.96	Intersect the 3rd. standard parallel south, at a point 3.50 chs. S.89°46'E. of the original closing cor. of secs. 1 and 2. I return to the cor. of secs. 1, 2, 11, and 12, hereinbefore described, thence N.3°00'W., on a true line bet. secs. 1 and 2. Over rolling land, through scattered timber and desert growth. Ascend 203 ft. over SE. slope.																				
16.70	Spur, slopes SW.; desc.79 ft. over NW. slope.																				
24.00	Head of small draw, course W.;asc. 58 ft. over SW.slope.																				
38.70	Proportional distance, Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap marked <div style="text-align: center;"> <table style="margin: auto;"> <tr><td>.</td><td>$\frac{1}{4}$</td><td></td></tr> <tr><td>S 2</td><td> </td><td>S 1</td></tr> <tr><td colspan="3" style="text-align: center;">1932</td></tr> </table> raise a mound of stone, 3 ft. base, 2 ft. high W. of cor. Along W. slope.</div>	.	$\frac{1}{4}$		S 2		S 1	1932													
.	$\frac{1}{4}$																				
S 2		S 1																			
1932																					
46.00	Small wash, course S.70°W.																				
49.00	Small wash, course S.70°W.; asc. 147 ft. over SW.slope.																				
67.05	Intersect the 3rd. standard parallel south at the closing																				

Resurvey of a Portion of the Subdivisions

of T.16 S., R.17 E.

Chains

cor. of secs. 1 and 2, which is an oak stake, 2 ins. diam., $3\frac{1}{2}$ ft. above a mound of stone.

At point for cor.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bed rock, with a granite stone, 8x4x6 ins. mkd. X, deposited at the base, and in a mound of stone to top, for closing cor. of secs. 1 and 2, with brass cap marked

T 15 S R 17 E
S 35

S 2 | S 1

C C

T 16 S R 17 E
1932

from which

The original bearing tree;

An oak, 14 ins. diam., bears N. $7\frac{1}{4}^{\circ}$ W., 191 lks. dist. old blaze overgrown and not opened.

From point of intersection, the standard cor. of secs. 35 and 36, T.15 S., R.17 E., hereinbefore described, bears S. $89^{\circ}46'$ E., 8.95 chs. dist.

Land, rolling.

Soil, rocky, 4th. rate.

Timber, none.

Undergrowth, cacuts, mesquite, catclaw, and ocotillo.

At a point on the 3rd. Standard Parallel South, 7.43 chs. N. $89^{\circ}32'$ W., from the standard $\frac{1}{4}$ sec. cor. of sec. 36, of R.17 E., which point is 40.00 chs. in departure to the East of the closing cor. of secs. 1 and 2,

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bed rock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top of post, for $\frac{1}{4}$ sec. cor. of sec. 1 only, with brass cap marked

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

1932

from which

A mahogany, 7 ins. diam., bears S. $16\frac{1}{2}^{\circ}$ E., 80 lks. dist. marked $\frac{1}{4}$ S 1 B T

A mahogany, 6 ins. diam., bears S. $48\frac{3}{4}^{\circ}$ W., 99 lks. dist. marked $\frac{1}{4}$ S 1 B T

For final test of instrument, see the field notes of the Third Standard Parallel South, through R.18 E., resurveyed under this group.

Survey of a Portion of the Subdivisions
of T. 16 S., R. 17 E.

GENERAL DESCRIPTION

The portion of the 3rd standard parallel south. T. 15 S., R. 17 E., and a portion of the subdivisions of T. 16 S. R. 18 E., included in this survey is rolling and mountainous land. The soil is rocky; 4th rate, scattered oak, mahogany and mesquite is found within this portion of the township. The undergrowth is catclaw, cactus, manzanita, soto ocotilla and amolle.

BOOK 3996

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Charles E. Hunter, U.S. Transitman, U.S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona bearing date of the 8th day of October, 1932, 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, dependently resurveyed a portion of the Third Standard Parallel South, through Range 17 East, and a portion of the subdivisional lines of Township 16 South, Range 17 East,

of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes 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 District Cadastral Engineer for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Charles E. Hunter

U.S. Transitman

Glendale, California
May 15, 1934.

APPROVAL.

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, August 10, 1934.

The foregoing field notes of the dependent resurvey of a portion of the Third Standard Parallel South, through Range 17 East, and of a portion of the subdivisional lines of Township 16 South, Range 17 East, of the Gila and Salt River Meridian, in the State of Arizona,

executed by Charles E. Hunter, U.S. Transitman under his special instructions dated October 8, 1932, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[Signature]

U. S. Supervisor of Surveys.

I certify that the foregoing transcript of the field notes of the above described surveys in _____, has been correctly copied from the original notes on file in this office.

U. S. Supervisor of Surveys.