

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Survey of the South Boundary

and a

Portion of the Subdivision

of

Township 3 South, Range 16 East

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Fred R. Chappell, Cartographic Survey Aid

Under special instructions dated November 10, 1954, which provided
for the surveys included under Group No. 297, approved November 10, 1954
and assignment instructions dated November 17, 1954

Survey commenced January 24, 1955

Survey completed February 17, 1955

4469

4469

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1A

BOOK 4469

INDEX DIAGRAM

Township 3 South, Range 16 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	9 16 8 9	15	14	13
19	20	21 7	22	23	24
30	29	28 6	27	26	25
31	11 32 10	33 6	34	35	36
5	4	3	2	2	1

South Boundary, T. 3 S., R. 16 East

Chains

West boundary of T. 3 S., R. 16 E., was surveyed by S. E. Blout in 1914. The east boundary was surveyed by F. R. Wilson in 1924. The amended south boundary of the San Carlos Indian Reservation (which forms the north boundary of this partial township) was surveyed by H. L. Baldwin in 1915.

For the test of the instruments and methods used see the notes for T. 4 S., R. 22 E.

The geographic position of the southeast corner of the township is latitude 33°07'16" N., longitude 110°39'20" W. The magnetic declination is 13°45' E.

South Boundary, T. 3 S., R. 16 East

From the cor. of Ts. 3 and 4 S., Rs. 16 and 17 E., which is monumented with an iron post set and marked as described in the official record.

N. 89°55' W., bet. secs. 1 and 36.

Desc. 63 ft. over rocky W. slope.

4.40 Draw, course S. 20° W.; asc. 48 ft. over E. slope.

7.00 Spur, slopes S.; desc. 293 ft. over rocky broken SSW. slope.

29.60 Rocky gorge, course S. 6 chs. to Gila River; asc. 114 ft. over E. slope.

33.00 Spur, slopes S.; desc. 55 ft. over W. slope.

40.00 Point for the 1/4 sec. cor. of secs. 1 and 36.

Set an iron post, 28 ins. long, 2 1/2 ins. diam., 11 ins. in the ground, and in a mound of stone to top, with brass cap marked

S 36
1/4
S 1
1955

Desc. 106 ft. over SW. slope.

42.80 Rocky gorge, course S.; asc. 159 ft. over SSE. slope.

69.80 Spur, slopes S.; desc. 90 ft. over SSW. slope.

75.30 Rocky gorge, course S. 10° E.

78.20 Rocky gorge, course S. 10° E.

80.00 Point for the cor. of secs. 1, 2, 35, and 36.

Set an iron post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, and in a mound of stone to top, with brass cap marked

T36R16E
S35 | S36
S2 | S1
1955

Land, mountainous.

Soil, rocky clay.

Timber, none.

Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.

South Boundary, T. 3 S., R. 16 E.

Chains									
	N. 89°55' W., bet. secs. 2 and 35. Ascend 144 ft. over S. slope.								
20.00	Rocky gorge, course S.; asc. 255 ft. over rocky broken S. slope.								
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 35. Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone to top, with brass cap marked <div style="text-align: center;"> <table border="0"> <tr><td>S</td><td>35</td></tr> <tr><td>$\frac{1}{4}$</td><td>—</td></tr> <tr><td>S</td><td>2</td></tr> <tr><td></td><td>1955</td></tr> </table> </div>	S	35	$\frac{1}{4}$	—	S	2		1955
S	35								
$\frac{1}{4}$	—								
S	2								
	1955								
	Asc. 264 ft. over SSE. slope.								
45.60	Top of limestone rimrock, 10 ft. high, bears N. 80° E. and S. 80° W.; asc. 20 ft. over rocky S. slope.								
67.60	Transmission line, bears N. 42°48' E. and S. 42°48' W.								
68.20	Spur, slopes S. 20° W.; desc. 257 ft. over W. slope.								
77.10	Wash, in draw, 20 ft. wide, 4 ft. deep, course S. 10° W.								
79.60	Power and telephone lines, bear N. and S.								
80.00	Point for the cor. of secs. 2, 3, 34, and 35. Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone to top, with brass cap marked <div style="text-align: center;"> <table border="0"> <tr><td>T3SR16E</td></tr> <tr><td>S34 S35</td></tr> <tr><td>S3 S2</td></tr> <tr><td>T4S</td></tr> <tr><td>1955</td></tr> </table> </div>	T3SR16E	S34 S35	S3 S2	T4S	1955			
T3SR16E									
S34 S35									
S3 S2									
T4S									
1955									
	Land, mountainous. Soil, rocky clay. Timber, none. Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.								
	N. 89°55' W., bet. secs. 3 and 34. Asc. 186 ft. over ESE slope.								
8.20	Spur, slopes S.; desc. 146 ft. over W. slope.								
14.40	Draw, course S.; asc. 139 ft. over E. slope.								
22.40	Spur, slopes S.; desc. 149 ft. over W. slope.								
36.40	Wash, 1 ch. wide, 4 ft. deep, course S.; asc. 25 ft. over SE. slope.								
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34. Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone to top, with brass cap marked								

South Boundary, T. 3 S., R. 16 E.

Chains	
	$\frac{1}{4} \frac{S\ 34}{S\ 3}$ 1955
	Asc. 101 ft. over SE. slope.
45.20	Spur, slopes SW.; desc. 176 ft. over broken S. slope.
58.40	Draw, course S.
64.30	Draw, course S. 10° E.; asc. 80 ft. over E. slope.
69.30	Spur, slopes S. 10° E.; desc. 89 ft. over SW. slope.
73.50	Wash, 10 lks. wide, 3 ft. deep, course S.; asc. 94 ft. over E. slope.
78.10	Spur slopes S.
80.00	Point for the cor. of secs. 3, 4, 33, and 34.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground, and in a mound of stone to top, with brass cap marked
	$\begin{array}{c} T3SR16E \\ S33 S34 \\ \hline S4 S3 \\ T4S \\ 1955 \end{array}$
	Land, mountainous. Soil, rocky clay. Timber, none. Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.
	N. 89°55' W., bet. secs. 4 and 33.
	Desc. 172 ft. over broken WSW slope.
12.30	Wash, 50 lks. wide, 3 ft. deep, course S.; asc. 92 ft. over ESE. slope.
24.30	Spur, slopes S. 10° W.; desc. 119 ft. over W. slope.
35.00	Wash, 2 chs. wide, 35 ft. deep, course S. 30° W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.
	Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap marked
	$\frac{1}{4} \frac{S\ 33}{S\ 4}$ 1955
	Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor. Asc. 10 ft. over S. slope.
41.70	Spur, slopes SW.; desc. 65 ft. over W. slope.
48.20	Wash, 30 lks. wide, 10 ft. deep, course S. 60° W.; desc. 24 ft. over rough S. slope.

South Boundary, T. 3 S., R. 16 E.

Chains

- 66.10 Spur, low, slopes S.
- 70.00 Wash, 15 lks. wide, 16 ft. deep, course S.; asc. 49 ft. over SE. slope.
- 77.20 Spur, slopes S.
- 80.00 Point for the cor. of secs. 4, 5, 32, and 33.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone to top, with brass cap marked

T3SR16E
 S32 | S33
 S5 | S4
 T4S
 1955

Land, mountainous.

Soil, rocky clay.

Timber, none.

Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.

N. 89°55' W., bet. secs. 5 and 32.

Desc. 48 ft. over W. slope.

- 5.00 Wash, 80 lks. wide, 30 ft. deep, course S. 10° W.
- 8.10 Draw, 1 ch. wide, 25 ft. deep, course S.
- 18.20 Wash, 15 lks. wide, 4 ft. deep, course S. 10° E.; asc. 169 ft. over E. slope.
- 29.10 Spur, flat, slopes S.; desc. 107 ft. over W. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 7 ins. in the ground, and in a mound of stone to top, with brass cap marked.

S 32
 $\frac{1}{4}$ ———
 S 5
 1955

Desc. 48 ft. over W. slope.

- 49.20 Wash, in draw, 40 lks. wide, 3 ft. deep, course S; over broken S. slope.
- 69.30 Wash, 12 lks. wide, 3 ft. deep, course S.
- 74.40 Wash, 20 lks. wide, 6 ft. deep, course S.
- 80.00 Point for the cor. of secs. 5, 6, 31, and 32.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap marked

South Boundary, T. 3 S., R. 16 E.

Chains	
	<p style="text-align: center;">T3SR16E $\frac{S31}{S6} \frac{S32}{S5}$ T4S 1955</p> <p>Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.</p> <p>Land, mountainous. Soil, rocky clay. Timber, none. Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.</p>
	<p>N. $89^{\circ}55'$ W., bet. secs. 6 and 31.</p> <p>Asc. 69 ft. over broken SSW. slope.</p> <p>2.30 Wash, 70 lks. wide, 20 ft. deep, course S.</p> <p>15.90 Wash, 20 lks. wide, 3 ft. deep, course S.</p> <p>26.40 Knoll on spur, slopes S.; desc. 109 ft. over W. slope.</p> <p>31.50 Small wash, course S.</p> <p>40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 6 and 31.</p> <p>Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone to top, with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ $\frac{S\ 31}{S\ 6}$ 1955</p> <p>Desc. 101 ft. over W. slope.</p> <p>51.10 Wash, 50 lks. wide, 4 ft. deep, course S. 15° W.</p> <p>59.70 Small wash, course S. 10° E.; asc. 115 ft. over E. slope.</p> <p>69.80 Spur, flat, slopes S.</p> <p>71.40 Fence, bears N. and S.; desc. 38 ft. to cor.</p> <p>73.01 The cor. of Ts. 3 and 4 S., Rs. 15 and 16 E., monumented with an iron post, set and marked as described in the official record.</p> <p>Land, mountainous. Soil, rocky clay. Timber, none. Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.</p>

Subdivision of T. 3 S., R. 16 E.

Chains

From the cor. of secs. 3, 4, 33, and 34, on the south boundary of the township heretofore described.

N. 0°02' W., bet. secs. 33 and 34; asc. 95 ft. over S. slope.

17.90 Small draw, course S. 80° W.; asc. 70 ft. over SE. slope.

25.20 Spur, slopes SW.; desc. 41 ft. over NW. slope.

28.80 Small draw, course SW.; asc. 124 ft. over SE. slope.

33.30 Spur, slopes S. 80° W.; desc. 91 ft. over N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap marked

$\frac{1}{4}$

S. 33 | S. 34

1955

Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

40.50 Draw, course S. 80° W.; asc. 410 ft. over rocky broken SSE. slope.

71.40 Spur, slopes S. 20° W.; thence over W. slope.

78.40 Small draw, course S. 30° W.; asc. 54 ft. over SE. slope.

80.00 Point for the cor. of secs. 27, 28, 33, and 34.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., over a "X" cut in solid rock, and in a mound of stone to top, with brass cap marked

T3SR16E

S28 | S27

S33 | S34

1955

Laid, mountainous.
Soil, rocky clay.
Timber, none.
Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.

N. 0°02' W., bet. secs. 27 and 28.

Asc. 348 ft. over rocky broken SSE. slope.

22.50 Limestone rim, 10 ft. high, bears E. and S. 20° W.; asc. 45 ft. over S. slope.

30.30 Spur, slopes S. 80° W.

33.60 Small draw, course S. 80° W.; asc. 77 ft. over SSE. slope.

39.60 Spur, slopes S. 70° W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Subdivision of T. 3 S., R. 16 E.

Chains

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap marked

$\frac{1}{4}$
 S 28 | S 27
 1955

Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

Asc. 157 ft. over broken SSE. slope.

50.20 Rocky spur, slopes S. 80° W.; desc. 99 ft. over broken W. slope.

61.40 Wash, in draw, 40 lks. wide, 4 ft. deep, course W.; asc. 48 ft. over S. slope.

69.50 Spur, slopes S. 50° W.; desc. 121 ft. over N. slope.

75.00 Draw, course N. 80° W.; asc. 31 ft. over S. slope.

77.80 Spur, slopes W.; desc. 44 ft. over N. slope.

79.80 Point for the witness cor. of secs. 21, 22, 27, and 28.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone to top, with brass cap marked

W C
 T3S R16E
 S21 S22
 S28 S27
 1955

80.00 True point for the cor. of secs. 21, 22, 27, and 28 falls on S. edge of limestone wash.

Land, mountainous.

Soil, rocky clay.

Timber, none.

Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.

N. $0^{\circ}02'$ W., bet. secs. 21 and 22.

.20 Wash, 40 lks. wide, 4 ft. deep, course N. 75° W.; asc. 118 ft. over W. slope.

11.70 Short spur, slopes W.; desc. 73 ft. over W. slope.

16.50 Wash, in draw, 30 lks. wide, 4 ft. deep, course S. 70° W.

17.90 Short spur, slopes S. 50° W.

19.60 Wash, in draw, 40 lks. wide, course S. 20° W.; asc. 380 ft. over rocky broken ESE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap marked

BOOK 4469

Subdivision of T. 3 S., R. 16 E.

Chains	
	$\frac{1}{4}$ $S\ 21 \quad \quad S\ 22$ <p style="text-align: center;">1955</p> <p>Asc. 466 ft. over rocky broken SE. slope.</p>
58.50	Spur, slopes S. 20° W.; asc. 350 ft. over broken W. slope on side of spur.
80.00	Point for the cor. of secs. 15, 16, 21, and 22.
	<p>Set an iron post, 28 ins. long, 2$\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone to top, with brass cap marked.</p> $\begin{array}{c} T3SR16E \\ \hline S16 S15 \\ \hline S21 S22 \\ \hline 1955 \end{array}$ <p>Land, mountainous. Soil, rocky clay. Timber, none. Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.</p>
	<p>N. 0°02' W., bet. secs. 15 and 16.</p> <p>Asc. 16 ft. over W. slope.</p>
1.10	Ridge, bears S. 80° E. and N. 80° W.; desc. 331 ft. over rocky NE. slope.
10.00	Top of rimrock, 15 ft. high, bears E. and W.; desc. 311 ft. over rocky broken NE. slope.
27.60	Intersect the south boundary of the San Carlos Indian Reservation.
	<p>Point for the closing cors. of secs. 15 and 16.</p> <p>Set an iron post, 28 ins. long, 2$\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone to top, with brass cap marked</p> $\begin{array}{c} SCIR \\ \hline S16 S15 \\ \hline C C \\ \hline T3SR16E \\ \hline 1955 \end{array}$ <p>From above point, the 82nd mile cor. of the south boundary of the San Carlos Indian Reservation bears East 11.05 chs. dist., which is monumented with an iron post, set and marked as described in the official record.</p> <p>Land, mountainous. Soil, rocky clay. Timber, none. Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.</p>

BOOK 4469

Subdivision of T. 3 S., R. 16 E.

Chains

From the cor. of secs. 15, 16, 21, and 22.

N. 89° 55' W., bet. secs. 16 and 21.

Desc. 222 ft. over S. slope.

12.00 Head of draw, course SE.

16.90 Crevice in limestone, 10 lks. wide, 20 ft. deep, bears S. 30° E. and N. 30° W.; asc. 52 ft. over SE. slope.

19.00 Limestone knoll; desc. 228 ft. over SSW. slope.

35.80 Limestone gully, course S.

39.20 Low spur, slopes S.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground, and in a mound of stone to top, with brass cap marked

S 16
 $\frac{1}{4}$ ———
S 21
1955

Desc. 134 ft. over W. slope.

42.90 Wash, in canyon, 20 lks. wide; course S.; asc. 174 ft. over E. slope.

53.50 Flat spur, slopes S.; desc. 339 ft. over W. slope.

63.90 Wash, in canyon, 30 lks. wide, course S. 10° W.; asc. 139 ft. over E. slope.

67.90 Spur, slopes S. 10° W.; desc. 166 ft. over W. slope.

71.20 Limestone gulch, course S. 15° W.

74.00 Point for the witness cor. of secs. 16, 17, 20, and 21.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone to top, with brass cap marked

T3SR16E
S17 | S16
← S20 | S21
W C
1955

80.00 True point for the cor. of secs. 16, 17, 20, and 21 falls on inaccessible limestone cliffs.

Land, mountainous.

Soil, rocky clay.

Timber, none.

Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.

N. 0° 02' W., bet. secs. 16 and 17.

Asc. 637 ft. over rocky broken SSW. slope.

27.56 Intersect the south boundary of the San Carlos Indian Reservation.

Subdivision of T. 3 S., R. 16 E.

Chains	<p>Point for the closing cor. of secs. 16 and 17.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 16 ins. in the ground, and in a mound of stone to top, with brass cap marked.</p> <div style="text-align: center;"> <table border="0"> <tr><td>S</td><td>C</td><td>I</td><td>R</td></tr> <tr><td>S17</td><td> </td><td>S16</td><td></td></tr> <tr><td>C</td><td> </td><td>C</td><td></td></tr> <tr><td colspan="4">T3SR16E</td></tr> <tr><td colspan="4">1955</td></tr> </table> </div> <p>From the above point, the 81st mile cor. of the south boundary of the San Carlos Indian Reservation bears East 10.94 chains dist., which is monumented with an iron post, set and marked as described in the official record.</p> <p>Land, mountainous. Soil, rocky clay. Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.</p>	S	C	I	R	S17		S16		C		C		T3SR16E				1955			
S	C	I	R																		
S17		S16																			
C		C																			
T3SR16E																					
1955																					
7.30	<p>From the cor. of secs. 4, 5, 32, and 33, on the south boundary of the township heretofore described.</p> <p>N. 0°02' W., bet. secs. 32 and 33.</p> <p>Wash, 1½ chs. wide, 30 ft. deep, course S. 20° W.; asc. 409 ft. over SE. slope.</p>																				
40.00	<p>Point for the ¼ sec. cor. of secs. 32 and 33.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone to top, with brass cap marked</p> <div style="text-align: center;"> <table border="0"> <tr><td>S</td><td>32</td><td> </td><td>S</td><td>33</td></tr> <tr><td colspan="5">1955</td></tr> </table> </div> <p>Asc. 244 ft. over SSE. slope.</p>	S	32		S	33	1955														
S	32		S	33																	
1955																					
68.00	<p>Rocky gulch, course S. 70° E.; asc. 108 ft. over SE. slope.</p>																				
77.40	<p>Spur, slopes S. 10° W.; desc. 8 ft. over W. slope.</p>																				
80.00	<p>Point for the cor. of secs. 28, 29, 32, and 33.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone to top, with brass cap marked</p> <div style="text-align: center;"> <table border="0"> <tr><td colspan="4">T3SR16E</td></tr> <tr><td>S29</td><td> </td><td>S28</td><td></td></tr> <tr><td>S32</td><td> </td><td>S33</td><td></td></tr> <tr><td colspan="4">1955</td></tr> </table> </div> <p>Land, mountainous. Soil, rocky clay. Timber, none. Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.</p>	T3SR16E				S29		S28		S32		S33		1955							
T3SR16E																					
S29		S28																			
S32		S33																			
1955																					

Subdivision of T. 3 S., R. 16 E.

Chains

From the cor. of secs. 5, 6, 31, and 32, on the south boundary of the township heretofore described.

N. $0^{\circ}03'$ W., bet. secs. 31 and 32.

Asc. 135 ft. over SW. slope.

31.22 Top of ascent; desc. 26 ft. over W. slope.

32.40 Wash, 20 lks. wide, 10 ft. deep, course S. 5° W. from N. 25° E.; asc. 55 ft. over SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap marked

$\frac{1}{4}$.

S 31 | S 32

1955

Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

Asc. 178 ft. over ESE. slope.

56.40 Top of ascent; desc. 37 ft. over E. slope.

70.50 Wash, 15 lks. wide, 3 ft. deep, course S. 20° E.; asc. 124 ft. over W. slope.

80.00 Point for the cor. of secs. 29, 30, 31, and 32.

Set an iron post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap marked

T3SR16E

S30 | S29

S31 | S32

1955

Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous.

Soil, rocky clay.

Timber, none.

Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.

From the cor. of secs. 28, 29, 32, and 33.

N. $89^{\circ}56'$ W., bet. secs. 29 and 32.

Desc. 216 ft. over W. slope.

8.00 Enter wash, 30 lks. wide, 4 ft. deep, course W.; desc. 51 ft. following wash.

29.60 Leave wash, course S. 20° W.; asc. 54 ft. over SE. slope.

40.04 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Subdivision of T. 3 S., R. 16 E.

Chains

Set an iron post, 28 ins. long; 2 1/2 ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap marked

S 29

1/4

S 32

1955

Asc. 134 ft. over ESE. slope.

50.50 Spur, slopes S.; desc. 192 ft. over WSW. slope.

57.60 Wash, in draw, 30 lks. wide, course S. 10° W.; asc. 39 ft. over E. slope.

62.80 Spur, slopes S.; desc. 141 ft. over WSW. slope.

69.00 Wash, in draw, 50 lks. wide, 25 ft. deep, course S.; asc. 173 ft. over E. slope.

76.20 Spur, slopes S. 10° W.; desc. 88 ft. over W. slope.

80.08 The cor. of secs. 29, 30, 31, and 32.

Land, mountainous.

Soil, rocky clay.

Timber, none.

Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.

General Description

This partial township lies for the most part on the south slope of a high rocky limestone ridge. It is practically barren of timber. It is covered heavily with cacti and ocotillo and some scattered paloverde. The grass is sparse to fair. There is very little rainfall. No part of the township is suited for farming. The only usefulness is grazing on a limited scale. No one lives within the boundaries and no permanent water.

4-680
(Feb., 1950)

UNITED STATES BOOK 4469
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
George Voorhees	Instrument man
LeRoy McCulley	Note-keeper
Vergean Porter	Chainman
Alburn Griffin	Flagman
Guy Pollock	Truck Driver

BOOK 4480

CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 10th day of November, 1954,

I have surveyed the south boundary and a portion of the subdivision of T. 3 S., R. 16 E.

of the G. & S. R. 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

July 12, 1955

Fred R. Chappell
Fred R. Chappell
Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., NOV 30 1955, 19

The foregoing field notes of the survey of the south boundary and a portion of the subdivision of T. 3 S., R. 16 E., G. & S. R. Meridian, Arizona.

executed by Fred R. Chappell

having been critically examined and found correct, are hereby approved.

James O. Clement
James O. Clement
Chief, Division of Cadastral Engineering
Acting Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering