

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Retracement of the South Boundary of Section 32

and

Partial Resurvey and Survey of a Portion

of the

Subdivision of T. 4 S., R. 16 E.

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 27, 1955

Survey completed February 28, 1955

4473

4473

4473

1A

BOOK 4473

# INDEX DIAGRAM

Township 4 South, Range R. 16 E.

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South Boundary of T. 4 S., R. 16 E.

Chains

The east 4 miles of the south boundary and a portion of the south boundary of sec. 32 were originally surveyed by J. L. Harris in 1877 and 1878. This portion was resurveyed and the balance of the south boundary surveyed by W. H. Elliott in 1911. The portion resurveyed in 1911 was retraced by Averill and Litz in 1946,

The east boundary was surveyed by Philip Contzen in 1904. Portions of the west boundary were surveyed by W. H. Elliott in 1911. The west boundary of sec. 6 was surveyed by S. E. Blout in 1914. These portions were resurveyed and the balance of the west boundary was surveyed by Kimmel and Stinson in 1918.

A portion of the township was subdivided by W. H. Elliott in 1911, including the south half mile between secs. 35, and 36, the mile between secs. 32 and 33, and the east half mile between secs. 29 and 32. However, no physical evidence was found that the south half mile between secs. 35 and 36 and the east half mile between secs. 29 and 32 had been surveyed.

The survey of the north boundary is contained in the notes of T. 3 S., R. 16 E.

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°02'03" N., longitude 110°39'20" W. The magnetic declination is 13°45' E.

Retracement of the Survey of the South Boundary of Sec. 32

From the cor. of fractional secs. 5 and 32, established by W. H. Elliott in 1911, which is N. 89°22' W., 11.90 chs., of cor. of secs. 4, 5, 32, and 33, determined from the original bearing tree.

West, bet. secs. 5 and 32.

28.77 The 1/4 sec. cor. of secs. 5 and 32, monumented with an iron post, set and marked as described in the official record.

68.85 The cor. of secs. 5, 6, 31, and 32, monumented with an iron post, set and marked as described in the official record of the survey made in 1911.

I delete these markings and remark the iron post for secs. 5 and 6, T. 5 S., R. 16 E. only.

T4S  
S31  
-----  
S6|S5  
T5SR16E  
1955

Partial Subdivision of T. 4 S., R. 16 E.

At a point midway between the 1/4 sec. cors. of secs. 1 and 36 and secs. 2 and 35, point for the cor. of secs. 1, 2, 35, and 36.

Set an iron post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, and in a mound of stone to top, with brass cap marked

## Subdivision of T. 4 S., R. 16 E.

Chains

T4SR16E

S35 | S36

S. 2 | S. 1

T5S

1955

From above point, the  $\frac{1}{4}$  sec. cor. of secs. 1 and 36 bears S.  $89^{\circ} 20'$  E., 40.05 chs. dist.

From the same point, the  $\frac{1}{4}$  sec. cor. of secs. 2 and 35 bears N.  $89^{\circ} 20'$  W., 40.05 chs. dist.

Resurvey of the south half mile between secs. 35 and 36.

N.  $0^{\circ} 01'$  W., bet. secs. 35 and 36.

Desc. 55 ft. over N. slope.

1.30 Road, track, bears NE. and S.  $20^{\circ}$  W.

6.70 Fork of two washes, one wash from SW. and one from SE., both course N.  $10^{\circ}$  W.; asc. 308 ft. over broken SW. slope.

27.50 Spur, slopes W.; desc. 382 ft. over NNW. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 35 and 36.

Set an iron post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 3 ins. in the ground, and in a mound of stone to top, with brass cap marked

 $\frac{1}{4}$ 

S 35 | S 36

1955

This monument is set at the toe of slope and on the S. edge of Deer Creek Canyon bottom.

Survey of the north half mile between secs. 35 and 36.

Continue measurement.

42.20 Deer Creek Canyon water course, with water, 10' lks. wide, 6 ins. deep, course S.  $40^{\circ}$  W.; asc. 656 ft. over rough broken SE. slope.

64.60 Spur, slopes SW.; desc. 80 ft. over steep W. slope.

68.00 Head of draw, course SW.; asc. 134 ft. over steep W. slope.

79.25 Hillside drain, course S.  $85^{\circ}$  W.

80.00 Point for the cor. of secs. 25, 26, 35, and 36.

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

T4SR16E

S26 | S25

S35 | S36

1955

Land, mountainous.

Soil, rocky sandy clay.

Timber, none.

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

Subdivision of T. 4 S., T. 16 E.

Chains	
	From the cor. of secs. 25, 30, 31, and 36 on the east boundary of the township, which is monumented with a porphyry stone, set and marked as described in the official record.
	N. 89° 50' W., bet. secs. 25 and 36.
	Desc. 36 ft. over S. slope.
.40	Small draw, course S.
5.00	Small draw, course S.
8.40	Small draw, course S.
16.80	Wash, in draw, 20 lks. wide, 3 ft. deep, course SE.; asc. 143 ft. over E. slope.
24.10	Spur, slopes S.; thence over broken S. slope.
30.30	Small draw, course S. 30° W.
31.50	Spur, small, slopes S.; desc. 47 ft. over W. slope.
32.40	Small draw, course S.; asc. 58 ft. over SE. slope.
40.05	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.
	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
	$\begin{array}{r} S\ 25 \\ \frac{1}{4} \text{---} \\ S\ 36 \\ 1955 \end{array}$
	Asc. 185 ft. over ESE. slope.
53.30	Spur, slopes S.; desc. 182 ft. over W. slope.
64.60	Wash, in draw, 1 ch. wide, 4 ft. deep, course S. 10° E.; asc. 150 ft. over SE. slope.
76.20	Spur, slopes S.; desc. 117 ft. over W. slope.
80.10	The cor. of secs. 25, 26, 35, and 36.
	Land, mountainous. Soil, rocky sandy clay. Timber, none. Undergrowth, paloverde, greasewood, catclaw, ocotillo, Saguaro and Cholla cacti, and grass.
	From the cor. of secs. 28, 29, 32, and 33, which is monumented with an iron post, set and marked as described in the official record.
	Resurvey of the east half mile between secs. 29 and 32.
	West, on sectional correction line, between secs. 29 and 32.
	Asc. 45 ft. over N. slope.
11.30	Small draw, course N. 10° E.; asc. 99 ft. over NE. slope.
15.50	Spur, slopes SE.; desc. 80 ft. over S. slope.

## Subdivision, T. 4 S., R. 16 E.

Chains	
23.50	Rocky draw, course S. 25° E.; asc. 212 ft. over broken SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 30.
	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
	$\begin{array}{c} \text{S } 29 \\ \frac{1}{4} \text{ --- } \\ \text{S } 32 \\ 1955 \end{array}$
	No evidence could be found of the cor. set in 1911.
	The survey of the west half mile between secs. 29 and 32.
	Continue measurement.
	Asc. 387 ft. over rough rocky broken SE. slope.
67.00	Spur, slopes S. 20° E.; desc. 15 ft. over SW. slope.
78.20	Wash, in draw, 20 lks. wide, 4 ft. deep, course S.
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., 12 ins. in the ground, and in a mound of stone to top, with brass cap marked
	$\begin{array}{c} \text{T4SR16E} \\ \text{S30}   \text{S29} \\ \text{S31}   \text{S32} \\ 1955 \end{array}$
	Land, mountainous.
	Soil, rocky sandy clay.
	Timber, none.
	Undergrowth, paloverde, greasewood, catelaw, ocotillo, Saguaro and Cholla cacti, and grass.
	S. 0° 03' E., bet. secs. 31 and 32.
	Desc. 373 ft. over rocky S. slope.
19.90	Wash, in draw, 30 lks. wide, 4 ft. deep, course S. 80° E.; asc. 134 ft. over NE. slope.
26.30	Spur, slopes S. 80° E.; desc. 113 ft. over SW. slope.
36.90	Draw, course S. 70° E.; asc. 47 ft. over NE. 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., 8 ins. in the ground, and in a mound of stone to top, with brass cap marked
	$\begin{array}{c} \frac{1}{4} \\ \text{S } 31   \text{S } 32 \\ 1955 \end{array}$
40.20	Spur, slopes S. 70° E.

## Subdivision, T. 4 S., R. 16 E.

## Chains

- 45.20 Spur, slopes S. 70° E.; desc. 158 ft. over SW. slope.
- 50.70 Wash, in draw, 20 lks. wide, 3 ft. deep, course E.; asc. 64 ft. over NNE. slope.
- 54.70 Ridge, bears E. and W.; desc. 238 ft. over S. slope.
- 66.80 Wash, in draw, 50 lks. wide, 4 ft. deep, course S. 70° E.; asc. 214 ft. over NE. slope.
- 76.50 Ridge, bears S. 50° E. and N. 50° W.; desc. 167 ft. over SW. slope.
- 79.96 Intersect the south boundary of the township.

Point for the closing cors. of secs. 31 and 32.

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

T4SR16E

C | C

S31 | S32

S5

T5S

1955

From above point, the cor. of secs. 5 and 6, T. 5 S., R. 16 E., bears west, 66 lks. dist.

Land, mountainous.

Soil, rocky sandy clay.

Timber, none.

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

## General Description

The majority of the township is high rocky ridges and peaks. The township is bisected by the Gila River from the northeast corner to the southwest part. There is a good highway paralleling the river to the point of the entrance of the Dripping Springs Wash. Then the highway follows up said wash. A mining town of Christmas, Arizona, is located approximately in secs. 29 and 30. There are ranches on both the Gila River and the Dripping Springs Wash. There is no farming being conducted in the township. There is very little timber, however, there is dense undergrowth and fair grass. The majority of the township is used for grazing purposes only.





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~~ retraced the south boundary of sec. 32 and partially resurveyed and surveyed a portion of the subdivision of T. 4 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*  
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~~ retracement of the south boundary of sec. 32 and partial resurvey and survey of a portion of the subdivision of T. 4 S., T. 16 E., G. & S. R. meridian, Arizona.

executed by Fred R. Chappel

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

*James O. Cunniff*  
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