

BOOK 4553
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

COMPLETION SURVEY

OF

THE SUBDIVISION OF

TOWNSHIP 17 NORTH, RANGE 11 WEST

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

DE WITT A. CRAIN - CADASTRAL SURVEYOR

Under special instructions dated August 29, 1955, which provided
for the surveys included under Group No. 306, approved August 29, 1955
and assignment instructions dated February 24, 1958

Survey commenced April 11, 1958

Survey completed April 22, 1958

1A

BOOK 4553
INDEX DIAGRAM

Township 17 North, Range 11 West

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Completion Survey, T. 17 N., R. 11 W.

Chains

The south boundary (Fourth Standard Parallel North), north half of the east boundary, and the subdivision of the northeast quarter and west half of the township were surveyed by Jackson and Harshbarger in 1915 and 1916, as represented on the plat of T. 17 N., R. 11 W. The south half of the east boundary was surveyed by Glenn F. Sawyer in 1926, as represented on the plat of T. 17 N., R. 10 W.

The following field notes are those of the completion survey of the subdivisional lines.

The survey was executed with a W. and L. E. Gurley solar transit, serial No. 541328, conforming to the standard instrumental specifications of the Bureau of Land Management. The instrument was maintained in precise adjustment throughout the progress of the survey.

The measurements were made with a narrow steel tape, 8 chains in length, graduated to tenths of links for the first link, to links for the next 99 links, and thereafter at intervals of 10 links. The tape was tested by comparison with a standard steel tape 1 chain in length and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by two clinometers in good adjustment. The slope distances were properly reduced to horizontal equivalents, which are entered in the field note record.

The directions of all lines of this survey were determined by sustained angulation carried forward from the meridian and determined by the following direct solar observation:

April 9, 1958, at the standard corner of sections 35 and 36, on the south boundary, in latitude $34^{\circ} 48' 06''$ N., and longitude $113^{\circ} 24' 58''$ W., I made a series of 8 altitude observations upon the sun for azimuth, 4 each with the telescope in direct and reversed positions and observed angle from a flag on the section line $3/4$ mile to the north, to the right of the sun.

Time of observation (105th Meridian Standard Time)	16h 14m
Mean observed vertical angle	$32^{\circ} 59' 03''$
Horizontal angle to sun	$104^{\circ} 54'$
Declination of sun	$+7^{\circ} 40' 21''$
True bearing of section line	N. $0^{\circ} 01'$ W.

The geographic position of the southeast corner of the township as shown in date furnished with the special instructions is latitude $34^{\circ} 48' 15''$ N., and longitude $113^{\circ} 23' 16''$ W.

Because of the wide variation at a number of stations, no magnetic declination was reported.

Subdivision of T. 17 N., R. 11 W.

Beginning at the standard cor. of secs. 35 and 36, on the S. bdy. of the Tp., which is monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

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

Desc. 57 ft. over broken NE. slope, through dense undergrowth.

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Subdivision of T. 17 N., R. 11 W.

Chains	
6.45	Small wash, drains S. 60° E.; asc. over broken SSE. slope.
17.40	Ridge spur, slopes S. 60° E.; desc. NE. slope.
28.50	Small wash, drains S. 60° E.; asc, 110 ft. over SE. slope.
38.00	Ridge spur, slopes SE., thence over broken ridges.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T17N R11W $\frac{1}{4}$ S35 S36 1958
	Thence over broken ridges.
57.90	Wash, 30 lks. wide, 3 ft. deep, drains S. 45° E.
63.30	Leave broken ridges, proceed over nearly level land with medium dense juniper.
80.00	Point for the cor. of secs. 25, 26, 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T17N R11W S26 S25 S35 S36 1958
	Land, rolling. Soil, rocky clay. Timber, Rocky Mountain juniper. Undergrowth, brush oak.
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., which is monumented by a 2 ins. iron post, 12 ins. above the ground, set, mkd. and witnessed as described in the official record.
	S. 89° 58' W., bet. secs. 25 and 36. Thence asc. 86 ft. along S. slope, through dense undergrowth.
12.72	Top of ascent, bears N. 60° E. and S. 60° W.; thence desc. SW. slope.
22.47	Wash, 30 lks. wide, 3 ft. deep, drains S. 45° E., thence along N. slope of ridge.
35.52	Ridge, curves to S. 30° E., thence along N. slope of ridge.
39.96	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with a collar of stone, with brass cap mkd.
	T17N R11W $\frac{1}{4}$ S25 S36 1958
	Thence asc. 77 ft. along N. slope of ridge.

Subdivision of T. 17 N., R. 11 W.

Chains

57.42 Top of ascent, bears NW. and SE.; thence desc. gentle W. slope.

69.12 Old road to line shack, bears S. 60° E. and N. 60° W.

77.12 Road, bears N. and S.

79.92 The cor. of secs. 25, 26, 35 and 36.

Land, rolling.

Soil, rocky clay.

Timber, juniper.

Undergrowth, brush oak.

N. 0° 01' W., bet. secs. 25 and 26.

Over nearly level land, through dense juniper.

5.40 Fence, bears N. 45° W. and S. 45° E., cor. of corral.

10.50 E. slope of small knoll; cont. along gentle NE. slope.

34.40 Road, lies in bottom of draw, bears N. 45° W. and S. 45° E.; slope changes to SW.; asc. SW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 26.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T17N R11W

 $\frac{1}{4}$

S26|S25

1958

Thence cont. to asc. SW. slope.

48.10 Top of ascent, bears N. 45° W. and S. 45° E.; desc. 153 ft. over N. slope.

68.96 Wash, 30 lks. wide, 3 ft. deep; drains N. 30° E.; asc. rolling SE. slope.

80.00 Point for the cor. of secs. 23, 24, 25 and 26.

Set an iron post, 30 ins. long; 2½ ins. diam., 22 ins. in the ground and in a collar of stone, with brass cap mkd.

T17N R11W

S23|S24

S26|S25

1958

Land, rolling.

Soil, rocky clay.

Timber, juniper.

Undergrowth, brush oak.

From the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the Tp., which is monumented by a 2 ins. iron post, 14 ins. above ground, set, mkd. and witnessed as described in the official record.

West, bet. secs. 24 and 25.

Subdivision of T. 17 N., R. 11 W.

Chains	
.52	Fence, bears N. and S.
8.82	Ridge spur, slopes NNE.; desc. NW. slope.
19.82	Small wash, drains N.; asc. 130 ft. over rolling NE. slope.
39.96	Point for the $\frac{1}{4}$ sec. cor. of secs. 24 and 25. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T17N R11W $\frac{1}{4}$ S24 S25 1958
60.82	Thence asc. along NNE. slope of ridge. Ridge spur, slopes N.; desc. 87 ft. over W. slope.
71.47	Wash, 50 lks. wide, 5 ft. deep, drains N. 30° E., curves to E. 6 chs. dist.; asc. 61 ft. over E. slope to cor.
79.92	The cor. of secs. 23, 24, 25 and 26. Land, rolling. Soil, rocky clay. Timber, juniper. Undergrowth, brush oak.
	N. $0^\circ 03'$ W., bet. secs. 23 and 24. Desc. along E. slope, through dense juniper.
5.00	Wash, 50 lks. wide, 3 ft. deep, drains E.; thence along SSW. slope.
21.00	Wash, 30 lks. wide, 2 ft. deep, drains S. 45° W.; asc. 141 ft. over SW. slope.
40.00	Top of ascent, bears N. 70° W. and S. 70° E. Point for the $\frac{1}{4}$ sec. cor. of secs. 23 and 24. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T17N R11W $\frac{1}{4}$ S23 S24 1958
	Thence desc. 94 ft. over N. slope.
54.67	Wash, 20 lks. wide, 3 ft. deep, drains E.; asc. 162 ft. over SW. slope.
61.10	Small wash, drains S. 45° W.
76.80	Ridge spur, slopes SW.; desc. over NW. slope.
80.00	The cor. of secs. 13, 14, 23 and 24, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Subdivision of T. 17 N., R. 11 W.

Chains

Land, rolling.
Soil, rocky clay.
Timber, juniper.
Undergrowth, brush oak.

From the standard cor. of secs. 34 and 35, on the S. bdy. of the Tp., which is monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

N. 0° 01' W., bet. secs. 34 and 35.

Thence desc. N. slope through dense undergrowth.

2.17 Wash, 20 lks. wide, 4 ft. deep, drains S. 70° E.; asc. 414 ft. over S. slope.

30.60 Top of ridge, bears S. 45° E. and N. 45° W.; desc. 236 ft. over NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 34 and 35.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground and in a mound of stone to the W., 3 ft. base, 3 ft. high, with brass cap mkd.

T17N R11W

$\frac{1}{4}$

S34|S35

1958

Thence desc. 152 ft. over NE. slope.

51.05 Wash, 20 lks. wide, 3 ft. deep, drains E.; asc. 411 ft. over S. slope.

74.70 Top of ridge, bears E. and W.; desc. 71 ft. over N. slope.

80.00 Point for the cor. of secs. 26, 27, 34 and 35.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T17N R11W

S27|S26

S34|S35

1958

Land, rolling.
Soil, rocky clay.
Timber, juniper.
Undergrowth, brush oak.

From the cor. of secs. 25, 26, 35 and 36.

West, bet. secs. 26 and 35.

Asc. 129 ft. over SE. slope, through medium dense juniper.

Subdivision of T. 17 N., R. 11 W.

Chains	
19.70	Top of ascent., bears N. 10° W. and S. 10° E.; desc. over W. slope.
25.61	Fence, bears N. 15° W. and S. 15° E.
30.80	Wash, 20 lks. wide, 3 ft. deep, drains S. 70° E.; asc. 83 ft. over E. slope.
39.96	Point for the $\frac{1}{4}$ sec. cor. of secs. 26 and 35. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground and in a mound of stone to N., 3 ft. base, 3 ft. high, with brass cap mkd.
	T17N R11W $\frac{1}{4}$ <u>S26</u> S35 1958
	Thence asc. 475 ft. over E. slope.
49.40	Slope changes to N.; cont. ascent.
79.92	The cor. of secs. 26, 27, 34 and 35. Land, rolling. Soil, rocky clay. Timber, juniper. Undergrowth, brush oak.
	N. 89° 51' W., bet. secs. 27 and 34. Asc. along N. slope, through dense undergrowth.
23.80	Ridge curves to S. 30° W.; desc. 153 ft. over NW. slope.
35.08	Head of draw, drains N. 45° E.; asc. 87 ft. over E. slope.
40.03	Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to bedrock, and in a mound of stone, 2 ft. base to top, with brass cap mkd.
	T17N R11W $\frac{1}{4}$ <u>S27</u> S34 1958
	Thence asc. 287 ft. over E. slope.
68.10	Ridge spur, slopes N. 60° E.; thence along rolling N. slope.
80.06	The cor. of secs. 27, 28, 33 and 34, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record. Land, rolling. Soil, rocky clay. Timber, juniper. Undergrowth, brush oak.

Subdivision of T. 17 N., R. 11 W.

Chains

From the cor. of secs. 26, 27, 34 and 35.
N. 0° 01' W., bet. secs. 26 and 27.
Desc. 259 ft. over N. slope, through dense undergrowth.

14.50 Wash, 20 lks. wide, 3 ft. deep, drains S. 80° E.; desc. 78 ft. along rolling E. slope.

23.58 Wash, 20 lks. wide, 3 ft. deep, drains E.; asc. SE. slope of spur.

28.50 Top of spur, slopes E.; desc. NE. slope.

33.16 Wash, 20 lks. wide, 3 ft. deep, drains S. 80° E.; asc. broken S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 26 and 27.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T17N-R11W

$\frac{1}{4}$
S27 | S26

1958

Thence cont. ascent over S. slope.

46.40 Top of ascent, bears S. 30° E. and N. 30° W.; desc. along NE. slope.

60.13 Wash, 30 lks. wide, 3 ft. deep, drains S. 45° E.; asc. 56 ft. over S. slope.

68.00 Top of ridge, bears N. 60° E. and S. 80° W.; desc. 144 ft. over N. slope.

80.00 Point for the cor. of secs. 22, 23, 26 and 27.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T17N R11W

S22 | S23
S27 | S26

1958

Land, rolling.
Soil, rocky clay.
Timber, juniper.
Undergrowth, brush oak.

From the cor. of secs. 23, 24, 25 and 26.

West, bet. secs. 23 and 26.

Desc. W. slope into draw, through medium dense juniper.

4.00 Road, bears S. 10° E. and N. 10° W., in bottom of draw which drains N. 10° E.; asc. 124 ft. over E. slope.

24.60 Top of ascent, bears N. and S.; desc. W. slope.

30.36 Fence, bears N. 10° W. and S. 10° E.

31.76 Small wash, drains N. 60° E.; asc. 45 ft. over E. slope.

Subdivision of T. 17 N., R. 11 W.

Chains	
39.99	Point for the $\frac{1}{4}$ sec. cor. of secs. 23 and 26.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground and in a mound of stone to the N., 3 ft. base, 2 ft. high, with brass cap mkd.
	T17N R11W $\frac{1}{4}$ S23 S26 1958
	Thence Asc. 298 ft. over E. slope.
59.90	Ridge, curves to S. 30° W.; desc. 140 ft. along NW. slope.
79.98	The cor. of secs. 22, 23, 26 and 27.
	N. $89^{\circ} 52'$ W., bet. secs. 22 and 27.
	Desc. along N. slope, through dense undergrowth.
2.60	Wash, 20 lks. wide, 3 ft. deep, drains E. irregularly; asc. 110 ft. along S. slope.
12.90	Top of ascent, bears N. 60° W. and S. 60° E.; desc. along S. slope.
21.00	Small wash, drains S. 80° E.; asc. 112 ft. over NE. slope.
34.40	Ridge spur, slopes NE.; thence along N. slope.
40.07	Point for the $\frac{1}{4}$ sec. cor. of secs. 22 and 27.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T17N R11W $\frac{1}{4}$ S22 S27 1958
	Thence asc. 592 ft. over NE. slope.
53.10	Head of wash, drains N. 45° E.; cont. ascent of NE. slope.
74.30	Ridge spur, slopes SE., thence over rocky W. slope.
80.14	Point for the cor. of secs. 21, 22, 27 and 28, witnessed S. $0^{\circ} 02'$ E., 0.07 chs. dist., by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.
	Land, rolling to rough.
	Soil, rocky clay.
	Timber, juniper and pinion.
	Undergrowth, brush oak.
	From the cor. of secs. 22, 23, 26 and 27.
	N. $0^{\circ} 04'$ W., bet. secs. 22 and 23.
	Desc. N. slope through heavy underbrush.

Subdivision of T. 17 N., R. 11 W.

Chains	
.80	Wash, 50 lks. wide, 3 ft. deep, drains E. irregularly; asc. 118 ft. over rocky S. slope.
6.80	Top of ridge spur, slopes E.; desc. 66 ft. over N. slope.
14.75	Wash, 20 lks. wide, 4 ft. deep, drains E. irregularly; asc. 106 ft. over S. slope.
22.70	Top of ascent, bears E. and W.; thence over broken rock outcropping on ridge; desc. 55 ft. over N. slope.
37.30	Wash, 20 lks. wide, 3 ft. deep, drains S. 70° E.; asc. S. slope.
39.99	Point for the $\frac{1}{4}$ sec. cor. of secs. 22 and 23. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
	T17N R11W $\frac{1}{4}$ S22 S23 1958
	Thence asc. 46 ft. over S. slope.
44.00	Top of ridge, bears E. and W.; desc. 214 ft. over N. slope.
64.84	Wash, 30 lks. wide, 3 ft. deep, drains S. 80° E.; asc. 104 ft. over S. slope.
79.98	The cor. of secs. 14, 15, 22 and 23, monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record. Land, rolling. Soil, rocky clay. Timber, juniper. Undergrowth, brush.oak.

General Description

The land within T. 17 N., R. 11 W. is principally rolling to rough and broken, with a general east exposure and drainage, toward the Francis Creek which flows southeasterly.

The soil is principally a rocky clay, with numerous rock outcroppings covered with an undergrowth of desert vegetation and scattered growth of scrub juniper.

There is one trail rut road entering the south boundary of section 36, east boundary of section 36, to a junction in the southwest quarter of the southwest quarter of section 25, and leaves at the north boundary of section 23.

CERTIFICATE OF CADASTRAL ENGINEER

I, DeWitt A. Crain, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 29th day of August, 1955, I have ~~surveyed~~ made the completion survey of the subdivision of T. 17 N., R. 11 W.

of the Gila & 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 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.

December 8, 1958
Salt Lake City, Utah

DeWitt A. Crain
DeWitt A. Crain
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., MAR 10 1959, 19

The foregoing field notes of the survey of the completion survey of the subdivision of T. 17 N., R. 11 W., Gila and Salt River Meridian, Arizona

executed by DeWitt A. Crain, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 17 N., R. 11 W., G&SR Mer., is a true copy of the original field notes.

Cadastral Engineering Staff Officer.