

Form 9180-6
(April 1965)
(formerly 4-679)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

SURVEY OF TRACT NO. 37

IN UNSURVEYED

TOWNSHIP 1 SOUTH, RANGE 16 EAST

Lined area for field notes.

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

WILLIAM H. TELLER

SUPERVISORY CADASTRAL SURVEYOR

Under special instructions dated August 25, 19 70, which provided for the surveys included under Group Number 523, approved August 27, 1970 and assignment instructions dated August 28, 19 70.

Survey commenced August 29, 19 70

Survey completed August 30, 19 70

BOOK 4910
INDEX DIAGRAM

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BOOK 4910

Township 1 South, Range 16 East
Gila and Salt River Meridian, Arizona

CHAINS

The following field notes are those of the survey of Tract No. 37 in unsurveyed Township 1 South, Range 16 East, Gila and Salt River Meridian, Arizona. Tract No. 37 is an irregular tract of National Forest land to be patented as a part of a land exchange.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1947, and the special instructions dated August 25, 1970.

Exchange Survey No. 653 was surveyed by Thomas F. Myers, Chief Surveyor, U. S. Forest Service, in 1927, approved March 21, 1930. Mineral Survey No. 4523, Arizona was surveyed by U. S. Mineral Surveyor Oscar T. Smith in 1961, approved July 10, 1961.

Highway data is from survey plats of Arizona State Highway Department and railroad data is from the record of Exchange Survey No. 653.

The south boundary of Exchange Survey No. 653 is identical with the north boundary of Tract No. 37. Tract No. 37 includes the right-of-way of Arizona and Eastern Railroad, now Southern Pacific. A portion of the east boundary of Tract No. 37 is identical with the west boundary of Central No. 2 Mill Site of Mineral Survey No. 4523.

The stone corners of Exchange Survey No. 653 were not remarked. They serve as corners of Tract No. 37 without any change in their original description except for Corner No. 16 which is missing. Corner No. 16 is at record position from Corner No. 15 and Corner No. 17, both of which have been found and described.

The direction of all lines was determined by the solar transit method. Distances are expressed in chains, reduced to horizontal equivalents.

The geographic position of Corner No. 1, Tract No. 37, as scaled from USGS Quadrangle CAMMERMAN WASH, ARIZONA is:

Latitude: 33° 22.6' N.
Longitude: 110° 44.3' W.

The observed mean magnetic declination is 13½° East.

Survey of Tract No. 37 in Unsurveyed
Township 1 South, Range 16 East
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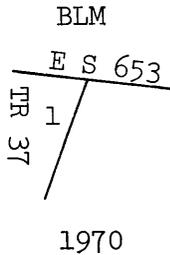
Corner No. 1, Tract No. 37, is established on the projection of line 8-1, Mineral Survey No. 4523, Central No. 2 Mill Site, to an intersection of line 12-13, Exchange Survey No. 653.

At the corner point

Set a copper-coated steel stake, 30 ins. long, 1/2 in. in diam., 24 ins. in the ground, and in a collar of stone, with brass cap, 1½ ins. in diam., mkd.

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from which

Corner No. 12, Exchange Survey No. 653, bears S. 83° 15' E., 5.92 chs. dist., monumented with a quartzite stone, of which 8x8x8 ins., is projecting above the ground, firmly set and marked 12 ES 653 on the N., and a cross (+) on top face. Corner is set on rocky SE. slope of barren hill. No accessories available.

N. 83° 15' W., between Exchange Survey No. 653 and Tract No. 37, over rocky southerly slope.

0.75 Drain, course S., ascend SE. slope, through scattered clumps of mesquite and cactus.

5.26 Corner No. 13, Exchange Survey No. 653, identical with Corner No. 2, Tract No. 37, monumented by a granite stone, 10x8x14 ins., visible above the ground, firmly set, mkd. 13 ES 653 on the N. face. The existing monument is not altered. Corner falls on easterly slope of desert hill.

Along the arc of a 9.29° curve to right, between Exchange Survey No. 653 and Tract No. 37. The long chord ahead bears N. 66° 03' W.

Curve data:

- Δ - 34° 23'
- R - 616.78 ft. (9.35 chs.)
- L - 370.11 ft. (5.61 chs.)
- D - 9.29°
- T - 190.83 ft. (2.89 chs.)

Ascending barren easterly slope.

2.50 Top of spur, slopes S., descend along SW. slope.

5.61 Corner No. 14, Exchange Survey No. 653, identical with Corner No. 3, Tract No. 37, monumented by a granite stone, 10x10x12 ins., visible above the ground, firmly set, mkd. 14 ES 653 on the NE. face. The existing monument is not altered.

Corner No. 13, on long chord bears S. 66° 03' E., 5.52 chs. dist.

N. 48° 52' W., between Exchange Survey No. 653 and Tract No. 37 along southwesterly slopes of barren hills.

4.83 Corner No. 15, Exchange Survey No. 653, identical with Corner No. 4, Tract No. 37, monumented by a granite stone, 10x14x10 ins., visible above the ground, firmly set, marked 15 ES 653 on the N. face. The existing monument is not altered.

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Continue along the arc of an 8.5° curve to the left.
The long chord ahead bears N. $84^\circ 13'$ W.

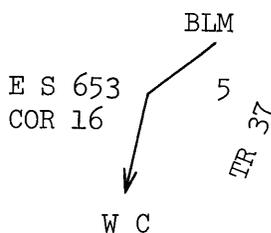
Curve data:

Δ - $70^\circ 42'$
R - 673.69 ft. (10.21 chs.)
L - 831.28 ft. (12.60 chs.)
D - 8.5°
T - 477.88 ft. (7.24 chs.)

Along southerly slopes of barren hills.

12.20 Point selected for the witness Corner No. 16, Exchange Survey No. 653, identical with Corner No. 5, Tract No. 37.

Set a copper-coated steel stake, 30 ins. long, $1/2$ in. in diam., 28 ins. in the ground, for a witness Corner No. 16, Exchange Survey No. 653, and Corner No. 5, Tract No. 37, with brass cap, $1\frac{1}{2}$ ins. in diam., mkd.



1970

12.60 True point for Corner No. 16, Exchange Survey No. 653, falls on cut bank of arroyo. No trace of the original corner remains.

The true corner point is established at the record bearings and distances from Corner No. 17 of Exchange Survey No. 653 and the long chord between Corner No. 15 and Corner No. 16, Exchange Survey No. 653.

Corner No. 15, Exchange Survey No. 653, bears S. $84^\circ 13'$ E., 11.81 chs. dist.

The witness corner bears N. $61^\circ 33'$ E., 40 lks. dist.

From the true point for Corner No. 16, Exchange Survey No. 653, and Corner No. 5, Tract No. 37,

S. $60^\circ 26'$ W., record bearing, between Exchange Survey No. 653 and Tract No. 37.

Over arroyos along toe of slope on W. side of high fill for railroad.

2.60 Enter U. S. Highway No. 70 at turnout.

3.30 Corner No. 6, Tract No. 37, established on the center line of U. S. Highway No. 70, bears N. 50° W., to Globe and S. 50° E., to Safford.

Set a steel reinforcing rod, 26 ins. long, $1/2$ in. in diam., in pavement in center line of highway.

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Township 1 South, Range 16 East
Gila and Salt River Meridian, Arizona

CHAINS		
	<p>from which</p> <p>An iron post, 30 ins. long, 2½ ins. in diam., set 24 ins. in the ground, for a reference monument, bears N. 60° 26' E., 49 ft. dist., with brass cap mkd. RM ES 653 TR 37 49 FT 1970, and an arrow pointing to the true corner point.</p> <p>A cross, cut in west wall of concrete retaining wall of underpass on U. S. Highway No. 70 and Southern Pacific Railroad track, bears S. 75½° E., 1.50 chs. dist.</p> <p>Corner No. 17, Exchange Survey No. 653, bears S. 60° 26' W., (record) 2.64 chs. dist., monumented with a schist stone, of which 14x10x2 ins. is projecting above the ground, firmly set and marked 17 ES 653 on the NW. and a cross (+) on top faces. Corner is set on northerly slope of barren hill, sloping steeply 1.50 chs. to U. S. Highway No. 70. No accessories available. The true bearing and distance between Corners No. 16 and No. 17, Exchange Survey No. 653, is record.</p> <hr/> <p>S. 50° 28' E., along center line of U. S. Highway No. 70.</p>	
1.55	Center of railroad track at highway underpass, bears N. 60° 26' E., and S. 60° 26' W.	
4.56	<p>Corner No. 7, Tract No. 37, in center line of U. S. Highway No. 70.</p> <p>Drive a 60d steel spike in highway.</p> <p>from which</p> <p>A steel rod, 1/2 in. in diam., projecting 6 ins. above the ground, bears N. 36° 53' E., 76 lks. dist.</p> <hr/> <p>S. 55° 45' E., along center line of U. S. Highway No. 70, on chord of long curve to left.</p>	
12.90	<p>Corner No. 8, Tract No. 37, in center line of U. S. Highway No. 70.</p> <p>Drive a 60d steel spike in highway.</p> <p>from which</p> <p>A steel rod, 1/2 in. in diam., projecting 7 ins. above the ground, bears N. 30° 07' E., 76 lks. dist.</p> <hr/> <p>S. 64° 04' E., along center line of U. S. Highway No. 70, on chord of long curve to left.</p>	
11.86	<p>Corner No. 9, Tract No. 37, in center line of U. S. Highway No. 70.</p> <p>Drive a 60d steel spike in highway.</p> <hr/> <p>N. 20° 44' 30" E., over highway.</p>	

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CHAINS	
0.76	<p>Corner No. 8, Mineral Survey No. 4523, Central No. 2 Mill Site, monumented by an iron post, 2 ins. in diam., with brass cap mkd.</p>
	<p>C 2 M S 8 4523</p>
	<p>Corner is set in cut bank of small arroyo, in N. fence of highway right-of-way.</p>
	<p>Continue through mesquite, catclaw and cactus, over level land.</p>
7.45	<p>Corner No. 1, Mineral Survey No. 4523, Central No. 2 Mill Site, monumented by an iron post, 2 ins. in diam., projecting 12 ins. above the surface of the ground, with brass cap mkd.</p>
	<p>C 2 M S 1 4523</p>
	<p>Corner is firmly set in a small collar of stone, in S. line of right-of-way of Southern Pacific Railroad.</p>
8.20	<p>Ascend steep S. face of railroad embankment.</p>
8.85	<p>Center of Southern Pacific Railroad track, bears S. 83° 15' E., and N. 83° 15' W., descend N. slope of embankment.</p>
10.41	<p>Corner No. 1, Tract No. 37, heretofore described. Tract No. 37 contains 22.63 acres.</p>
<p>General Description</p>	
<p>The area surveyed is rolling terrain, approximately 2 miles southeast of Globe, Arizona on U. S. Highway No. 70.</p>	

CERTIFICATE OF SURVEY

(I) ~~(We)~~ William H. Teller, HEREBY

CERTIFY upon honor that, in pursuance of special instructions bearing date of the 25th day of August, 1970, (I) ~~(We)~~ have surveyed Tract No. 37 in unsurveyed Township 1 South, Range 16 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 said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

October 19, 1971
(Date)

William H. Teller

(Cadastral Surveyor)
William H. Teller

(Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

SUBMITTED FOR APPROVAL
Date OCT 27 1971

BUREAU OF LAND MANAGEMENT
Washington, D.C.

The foregoing field notes of the survey of Tract No. 37 in unsurveyed Township 1 South, Range 16 East, Gila and Salt River Meridian, Arizona

executed by William H. Teller

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

JAN 19 1972
(Date)

Clark L. Gunn

(Chief, Division of Cadastral Survey)

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.

(Date)

(Chief, Division of Cadastral Survey) GPO 849-626