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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY

AND

THE SURVEY OF TRACT NO. 37,

TOWNSHIP 11 1/2 NORTH, RANGE 9 EAST

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

RAY HARPIN

CADASTRAL SURVEYOR

Under special instructions dated May 19, 1971, which provided for the surveys included under Group Number 529, approved June 4, 1971, and assignment instructions dated June 4, 1971.

Survey commenced June 4, 1971

Survey completed June 17, 1971

BOOK 4918

# INDEX DIAGRAM

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Township 11 1/2 North, Range 9 East (Unsurveyed)  
Gila and Salt River Meridian, Arizona

CHAINS

A History of Previous Surveys: The township line between Township 11 1/2 North, Range 9 East and Township 12 North, Range 8 East was surveyed by W. H. Thorn, U. S. Surveyor in 1903 as a portion of the south boundary of the Black Mesa Forest Reserve. Homestead Entry Survey No. 427 was surveyed by R. P. A. Johnson, Surveyor-Draftsman, U. S. Forest Service, in 1915.

The following field notes are those of the dependent re-survey of a portion of the north boundary of Township 11 1/2 North, Range 9 East (south boundary of Township 12 North, Range 8 East) and the survey of Tract No. 37 in Township 11 1/2 North, Range 9 East, Gila and Salt River Meridian, Arizona. Tract No. 37 is a rectangular parcel of National Forest land to be patented as part of a land exchange.

Before restoring the corners, the lines of the original surveys were retraced and a diligent search made for any evidence of the original corners, and calls of the original field note records. When duly identified, the corner positions were remonumented and new accessories obtained.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1947, and the special instructions dated May 19, 1971.

The directions of all lines of this survey were determined by direct altitude observation on the sun for azimuth and carried forward by normal transit traverse. Distances are expressed in chains, reduced to horizontal equivalents.

The data furnished with the special instructions give the geographic position of the southerly corner of sections 31 and 36, Townships 12 North, Ranges 8 and 9 East, as: Latitude  $34^{\circ} 22.5' N.$ , and Longitude  $111^{\circ} 26.9' W.$ , mean magnetic declination  $14^{\circ} East$ .

Dependent Resurvey of a Portion of the  
North Boundary of Township 11 1/2 North, Range 9 East  
(South Boundary of Township 12 North, Range 8 East)  
Gila and Salt River Meridian, Arizona

Reestablishment of the Survey Executed by  
W. H. Thorn, U. S. Surveyor in 1903

Beginning at the cor. of secs. 31 and 36 only, Tps. 12 N., Rs. 8 and 9 E., monumented by a bent 3 in. iron pipe with brass cap missing, filled with concrete, projecting 24 ins. above the ground, in a scattered mound of stone, substantiated by the remains of the original bearing trees:

A pine stump, 36 ins. diam., bears N.  $55 \frac{3}{4}^{\circ} E.$ , 136 lks. dist., with scribe marks partially illegible. (Record, N.  $58^{\circ} E.$ , 140 lks.)

A ponderosa pine, 50 ins. diam., bears N.  $86 \frac{1}{2}^{\circ} W.$ , 408 lks. dist., marked T12N R8E S36 BT (Record, N.  $85^{\circ} 10' W.$ , 409 lks.)

At the corner point

Dependent Resurvey of a Portion of the  
North Boundary of Township 11 1/2 North, Range 9 East  
(South Boundary of Township 12 North, Range 8 East)  
Gila and Salt River Meridian, Arizona

CHAINS	
	Set an iron post, 30 ins. long, 2½ ins. in diam., 22 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T12N R8E   R9E <u>S 36   S 31</u></p>
	1971
	from which
	The SE. corner of a frame house bears N. 14° 22' W., 97 lks. dist.
	Deposit the original iron pipe alongside the corner and raise a mound of stone, 3 ft. base, 2 ft. high, N. of the corner.
	S. 89° 46' W., along the S. boundary of sec. 36, T. 12 N., R. 8 E.
	Over broken terrain, through moderate pine timber and oak brush.
5.03	Corner No. 1 of Homestead Entry No. 427, monumented by a car axle set flush with the surface of the ground, in a small collar of stone, substantiated by an original bearing tree:
	A pine, 20 ins. diam., bears S. 56½° W., 88 lks. dist., (Record) scribe marks illegible. Rescribe this tree COR 1 HES 427 BT.
	At the corner point
	Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground over the axle, with brass cap mkd.
	<p style="text-align: center;">T12N R8E <u>S 36</u> COR 1   HES 427   T11½N</p>
	1971
	from which
	The SW. corner of a concrete block house bears N. 18 3/4° E., 138 lks. dist.
6.50	Center line of oil surfaced road, bears NNW. and SSE.
7.30	Corner of fences extending S. and W. Enter field.
10.80	Corner of fences extending S., E., and W.
15.20	Corner of fences extending S., E., and W.
18.10	Gulch, course S.
20.12	Corner No. 6 of Homestead Entry No. 427, monumented by a sandstone, 22x8x4 ins., set in a mound of stone, mkd. with an X on the NE. face, substantiated by an original bearing tree:

Dependent Resurvey of a Portion of the  
North Boundary of Township 11 1/2 North, Range 9 East  
(South Boundary of Township 12 North, Range 8 East)  
Gila and Salt River Meridian, Arizona

CHAINS													
	<p>A pine, 28 ins. diam., bears N. 26<math>\frac{1}{2}</math>° E., 57 lks. dist., scribe marks illegible (Record, N. 37° 31' E., 58 lks.)</p> <p>At the corner point</p> <p>Set an iron post, 30 ins. long, 2<math>\frac{1}{2}</math> ins. diam., 2<math>\frac{1}{4}</math> ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="0"> <tr><td>T12N R8E</td><td></td></tr> <tr><td>  S 36</td><td></td></tr> <tr><td>-----</td><td></td></tr> <tr><td></td><td>COR 6</td></tr> <tr><td>T11<math>\frac{1}{2}</math>N</td><td>HES 427</td></tr> </table> <p>1971</p> </div> <p>deposit the original corner stone alongside the iron post and raise a mound of stone, 3 ft. base, 1<math>\frac{1}{2}</math> ft. high, S. of the corner.</p> <p>The corner is situated 1<math>\frac{1}{2}</math> lks. E. of N-S. fence and 4<math>\frac{1}{2}</math> lks. S. of E-W. fence.</p>	T12N R8E		S 36		-----			COR 6	T11 $\frac{1}{2}$ N	HES 427		
T12N R8E													
S 36													
-----													
	COR 6												
T11 $\frac{1}{2}$ N	HES 427												
30.36	<p>Point for Angle Point No. 1 of Tract No. 37.</p> <p>Set an iron post, 30 ins. long, 2<math>\frac{1}{2}</math> ins. diam., flush with the surface of the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="0"> <tr><td>T12N R8E</td><td></td></tr> <tr><td>  S 36</td><td></td></tr> <tr><td>-----</td><td></td></tr> <tr><td></td><td>AP 1</td></tr> <tr><td>TR 37</td><td></td></tr> <tr><td>T11<math>\frac{1}{2}</math>N R9E</td><td></td></tr> </table> <p>1971</p> </div> <p>set a cedar post, 6 ft. long, 6 ins. diam., 2 ft. in the ground, 1<math>\frac{1}{2}</math> ft. S. of the corner.</p> <p>Corner is in a cultivated field.</p>	T12N R8E		S 36		-----			AP 1	TR 37		T11 $\frac{1}{2}$ N R9E	
T12N R8E													
S 36													
-----													
	AP 1												
TR 37													
T11 $\frac{1}{2}$ N R9E													
31.60	<p>Fence, bears N. and S.</p>												
40.19	<p>The 1/4 sec. cor. of sec. 36 only, designated as Angle Point No. 2 of Tract No. 37, monumented by a sandstone, 20x12x6 ins., mkd. with an X on top, set in a mound of stone, substantiated by the original bearing trees:</p> <p>A pine, 31 ins. diam., bears S. 14<math>\frac{1}{4}</math>° E., 64 lks. dist., with scribe marks BT visible. (Record, S. 13° 15' E., 63 lks.)</p> <p>A dead oak, 16 ins. diam., bears S. 26 3/4° W., 34 lks. dist., with scribe marks 1/4 visible. (Record, S. 26° 30' W.)</p> <p>At the corner point</p> <p>Set an iron post, 30 ins. long, 2<math>\frac{1}{2}</math> ins. diam., 2<math>\frac{1}{4}</math> ins. in the ground, with brass cap mkd.</p>												

Dependent Resurvey of a Portion of the  
North Boundary of Township 11 1/2 North, Range 9 East  
(South Boundary of Township 12 North, Range 8 East)  
Gila and Salt River Meridian, Arizona

CHAINS

T12N R8E  
1/4 S 36  
AP 2 TR 37  
T11 1/2 N R9E

1971

from which

A pine, 18 ins. diam., bears S. 49° E., 35 lks. dist., marked X BT.

A pine, 18 ins. diam., bears S. 20 3/4° W., 23 lks. dist., marked TR 37 AP 2 BT.

Deposit the original corner stone alongside the iron post and raise a mound of stone, 3 ft. base, 2 ft. high, S. of the corner.

Corner is situated 3 lks. north of corner of fences extending E., W., and S.

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S. 89° 49' W., beginning new measurement.

Continue along an E-W. fence line with cultivated field to the N. and timber of pine and juniper to the S.

40.16 The cor. of secs. 35 and 36 only, monumented by an iron post, 3 ins. diam., with a beveled brass cap, set firmly in the ground and in a mound of stone, 5 ft. base, 2 ft. high, substantiated by the original bearing trees:

A juniper, 36 ins. diam., bears N. 68 1/2° E., 135 lks. dist., marked T12N R8W S36 BT. (Record, N. 68° 40' E.)

A pine stump, 24 ins. diam., bears N. 23° W., 16 lks. dist., marked T12N R8E S35 BT. (Record, N. 25° 15' W.)

The marks AP 3 TR 37 are added to the brass cap and the marks T11N R8E S1 S2 are removed so it now reads:

T12N R8E  
S 35 S 36  
U S  
FOREST RESERVE  
AP 3 TR 37  
NO 50

1903

from which

A juniper, 6 ins. diam., bears N. 34° W., 11 lks. dist., marked T12N R8E S35 BT.

S. 89° 57' W., along the S. boundary of sec. 35, T. 12 N., R. 8 E.

Dependent Resurvey of a Portion of the  
North Boundary of Township 11 1/2 North, Range 9 East  
(South Boundary of Township 12 North, Range 8 East)  
Gila and Salt River Meridian, Arizona

CHAINS	
	Over rolling terrain, through pine, oak, and juniper timber.
10.30	Trail road, bears NW. and SE.
20.01	Point for the E 1/16 sec. cor. of sec. 35 only, at proportionate distance, designated Angle Point No. 4 of Tract No. 37.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	<p style="text-align: center;">T12N R8E E 1/16 S 35   AP 4   TR 37 T11½N R9E</p>
	1971
	from which
	A pine, 7 ins. diam., bears N. 1 3/4° E., 42 lks. dist., marked E 1/16 S35 BT.
	A pine, 7 ins. diam., bears S. 85¼° E., 109 lks. dist., marked TR 37 AP 4 BT.
	Raise a mound of stone, 3 ft. base, 2 ft. high, SE. of the corner.
26.20	Wash, course NE.
29.50	Dirt road, bears NW. and SE.
40.02	The 1/4 sec. cor. of sec. 35 only, monumented by a sandstone, 24x18x10 ins., firmly set in a mound of stone, mkd. 1/4 on the N. face, substantiated by the original bearing trees:
	A juniper, 22 ins. diam., bears S. 84¼° W., 92 lks. dist., with blaze grown over. (Record, erroneously recorded S. 84° 35' N.)
	A cedar, 22 ins. diam., bears N. 11° W., 111 lks. dist., with scribe marks S BT visible. (Record)
	At the corner point
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock, encircled with a mound of stone, 4 ft. base, to top, with brass cap mkd.
	<p style="text-align: center;">T12N R8E ¼ S 35</p>
	1971
	deposit the original corner stone alongside the iron post.

Survey of Tract No. 37  
 Township 11 1/2 North, Range 9 East  
 Gila and Salt River Meridian, Arizona

CHAINS			
<p>9.83</p> <p>40.16</p> <p>20.01</p>	<p>Beginning at Angle Point No. 1 of Tract No. 37, on the S. boundary of sec. 36, T. 12 N., R. 8 E., hereinbefore described.</p> <p>From this corner, the cor. of secs. 31 and 36, Tps. 12 N., Rs. 8 and 9 E., bears N. 89° 46' E., 30.36 chs. dist., hereinbefore described.</p> <p>S. 89° 46' W., on the N. boundary of Tract No. 37, (S. boundary of sec. 36, T. 12 N., R. 8 E.)</p> <p>Angle Point No. 2 of Tract No. 37, identical with the 1/4 sec. cor. of sec. 36, T. 12 N., R. 8 E., hereinbefore described.</p> <hr/> <p>S. 89° 49' W., beginning new measurement.</p> <p>Angle Point No. 3 of Tract No. 37, identical with the cor. of secs. 35 and 36 only, T. 12 N., R. 8 E., hereinbefore described.</p> <hr/> <p>S. 89° 57' W., beginning new measurement.</p> <p>Continue on the N. boundary of Tract No. 37 (S. boundary of sec. 35, T. 12 N., R. 8 E.)</p> <p>Angle Point No. 4 of Tract No. 37, identical with the E 1/16 sec. cor. of sec. 35 only, hereinbefore described.</p>		
<p>2.70</p> <p>3.60</p> <p>4.60</p> <p>5.40</p> <p>20.00</p>	<p>SOUTH, on the W. boundary of Tract No. 37.</p> <p>Descend S. slope, through pine, oak, and juniper timber.</p> <p>Gulch, course NE. Ascend NW. slope.</p> <p>Spur, slopes NE.</p> <p>Dry wash, course NE.</p> <p>Bottom of canyon, course NE. Ascend NNW. slope.</p> <p>Point for Angle Point No. 5 of Tract No. 37.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T11½N R9E</p> <table border="1" style="margin: auto;"> <tr> <td style="padding: 2px;">TR 37</td> </tr> <tr> <td style="padding: 2px;">AP 5</td> </tr> </table> <p>1971</p> </div> <p>from which</p> <p>A juniper, 12 ins. diam., bears N. 43½° E., 26 lks. dist., marked TR 37 AP 5 BT.</p> <p>A juniper, 9 ins. diam., bears S. 60¼° E., 59 lks. dist., marked X BT.</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, NE. of the corner.</p>	TR 37	AP 5
TR 37			
AP 5			

Survey of Tract No. 37  
 Township 11 1/2 North, Range 9 East  
 Gila and Salt River Meridian, Arizona

CHAINS	
<p>32.70 36.60 36.77</p>	<p>N. 89° 51' E., on the S. boundary of Tract No. 37.</p> <p>Fence, bears N. and S.</p> <p>Bottom of canyon, course NNW.</p> <p>Point selected for a witness point.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">W P                      T11½N R9E                      TR 37</p> <p style="text-align: center;">1971</p> <p>from which</p> <p style="padding-left: 40px;">A pine, 10 ins. diam., bears N. 25½° E., 30 lks. dist., marked X BT.</p> <p style="padding-left: 40px;">A pine, 12 ins. diam., bears N. 57¼° W., 20 lks. dist., marked TR 37 WP BT.</p> <p style="padding-left: 40px;">Raise a collar of stone around the iron post.</p>
<p>70.00</p>	<p>Point for Angle Point No. 6 of Tract No. 37.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, encircled with a mound of stone to top, with brass cap mkd.</p> <p style="text-align: center;">T11½N R9E                      TR 37                      AP 6</p> <p style="text-align: center;">1971</p> <p>from which</p> <p style="padding-left: 40px;">A pine, 9 ins. diam., bears S. 79¼° W., 63 lks. dist., marked X BT.</p> <p style="padding-left: 40px;">A pine, 13 ins. diam., bears N. 43¼° W., 112 lks. dist., marked TR 37 AP 6 BT.</p>
<p>20.00</p>	<p>NORTH, on the E. boundary of Tract No. 37.</p> <p>Over rolling terrain, through pine, oak, and juniper timber.</p> <p>Angle Point No. 1 of Tract No. 37, the point of beginning Tract No. 37 contains 139.84 acres.</p>
	<p style="text-align: center;">General Description</p> <p>The area surveyed is generally rolling terrain covered with moderate pine, oak, and juniper timber. Pine, Arizona lies adjacent to Tract No. 37 and is accessible by Arizona State Highway No. 87.</p>



CERTIFICATE OF SURVEY

(I) ~~we~~, Ray Harpin, HEREBY

CERTIFY upon honor that, in pursuance of special instructions bearing date of the 19th day of May, 1971, (I) ~~we~~ have dependently resurveyed a portion of the north boundary of Township 11 1/2 North, Range 9 East (south boundary of Township 12 North, Range 8 East) and surveyed Tract No. 37 in Township 11 1/2 North, Range 9 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), ~~(us)~~ and under (my) ~~(our)~~ 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.

November 26, 1971 (Date) Ray Harpin (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

SUBMITTED FOR APPROVAL Date DEC 1 1971

BUREAU OF LAND MANAGEMENT Washington, D.C.

The foregoing field notes of the dependent resurvey of a portion of the north boundary of Township 11 1/2 North, Range 9 East (south boundary of Township 12 North, Range 8 East) and the survey of Tract No. 37 in Township 11 1/2 North, Range 9 East, Gila and Salt River Meridian, Arizona

executed by Ray Harpin

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

MAR 15 1972 (Date) Park L. Lumm (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