

1A

BOOK 5084

INDEX DIAGRAM

Township 32 NORTH, Range 6 WEST

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T. 32 N., R. 6 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes are those of the dependent resurvey of a portion of the east boundary of the Hualapai Indian Reservation, a portion of the east boundary and subdivisional lines and survey of the subdivision of section 13, Township 32 North, Range 6 West, Gila and Salt River Meridian, Arizona.

A portion of the east boundary of the Hualapai Indian Reservation was surveyed by Albert T. Colton, in 1900. The south 5 miles of the east boundary and a portion of the subdivisional lines were surveyed by W. H. Thorn and Heber P. Purington, in 1917. A portion of the east boundary of the Hualapai Indian Reservation, from the 117½ mile post to the witness corner to the 118½ mile post was retraced and a portion of the subdivisional lines surveyed by Dupree R. Averill and James C. O'Brion, in 1920-21.

This survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated May 23, 1975, for Group No. 576, Arizona.

The directions of the lines were determined by Polaris and solar observations. They refer to the true meridian.

Preliminary to the resurvey, the lines of the original survey were retraced and search was made for all corners and other calls of the record. All corners of the original surveys were located. The retracement data were thoroughly verified and only the true line field notes are given herein.

The geographic position of the corner of sections 13, 18, 19, and 24 on the east boundary of the township, determined from a tie to United States Coast and Geodetic triangulation station, "TENDERFOOT", located in Township 32 North, Range 5 West, is as follows:

Latitude 36° 09' 03.1" N. Longitude 112° 52' 03.9" W.

The mean magnetic declination is 14½° E.

Dependent Resurvey of a Portion of the
East Boundary of the Hualapai Indian Reservation
T. 32 N., R. 6 W., Gila and Salt River Meridian, Arizona

Restoring the survey executed by
Albert T. Colton, in 1900 and the retracement by
Dupree R. Averill and James C. O'Brion, in 1920-21

Beginning at the 117½ mile post, on the E. bdy. of the Hualapai Indian Reservation, determined at record distance from the bearing trees described by Averill and O'Brion, in 1920-21:

A juniper, 10 ins. diam., bears S. 75° W., 75 lks. dist., with scribe marks HIR 117½ M BT visible on open blaze. (Record, S. 77½° W.)

Dependent Resurvey, Portion of East Boundary
 Hualapai Indian Reservation
 T. 32 N., R. 6 W., G&SR Mer., Arizona

CHAINS										
	<p>A juniper, 6 ins. diam., bears N. 61° W., 73 lks. dist., with scribe marks HIR 117½ M BT visible on open blaze. (Record, N. 56° W.)</p>									
	<p>At the corner point</p>									
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 6 ins. in the ground, supported with a mound of stone, 4 ft. base, to top, with brass cap mkd.</p>									
	<p style="text-align: center;"> <table border="0"> <tr><td></td><td> </td><td>T32N</td></tr> <tr><td>HIR</td><td> </td><td>R6W</td></tr> <tr><td>117½ M</td><td> </td><td>S 24</td></tr> </table> </p>			T32N	HIR		R6W	117½ M		S 24
		T32N								
HIR		R6W								
117½ M		S 24								
	<p style="text-align: center;">1977</p>									
	<p>Cor. is located 26 lks. W. of fence, bears N. and S.</p>									
	<p>N. 0° 03' E., on the 118 mile.</p>									
	<p>Over rolling land, through scattered timber and light undergrowth, along fence, bears N. and S.</p>									
17.20	<p>The closing cor. of secs. 13 and 24, hereinafter described.</p>									
	<p>Continue over rolling land, along a fence, bears N. and S.</p>									
39.80	<p>Gulch, drains NE.</p>									
40.00	<p>The 118 mile post, monumented with a sandstone, 24 x 15 x 6 ins., firmly set 14 ins. in the ground, mkd. HIR 118 M on W. and PL on E. faces, with a mound of stone, 3 ft. base, 1 ft. high, N. of cor.</p>									
	<p>At the corner point</p>									
	<p>Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>									
	<p style="text-align: center;"> <table border="0"> <tr><td></td><td> </td><td>T32N</td></tr> <tr><td>HIR</td><td> </td><td>R6W</td></tr> <tr><td>118 M</td><td> </td><td>S 13</td></tr> </table> </p>			T32N	HIR		R6W	118 M		S 13
		T32N								
HIR		R6W								
118 M		S 13								
	<p style="text-align: center;">1977</p>									
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p>									
	<p>Cor. is located in fence, bears N. and S.</p>									
	<p>N. 0° 19' E., on the 119 mile.</p>									
	<p>Over rolling land, through light undergrowth, along fence, bears N. and S.</p>									
17.43	<p>Point for the closing cor. of sec. 13, on the E. and W. center line of sec. 13, hereinafter described.</p>									
28.10	<p>The witness cor. to the 118½ mile post, monumented with the point of a limestone ledge, 8 ft. high, mkd. HIR COR 6 WC on W., "X" on N., and PL on E. faces, with a mound of stone, 2 ft. base, 1 ft. high, S. of cor., at the end of fence, bears S.</p>									
	<p>At the corner point</p>									

Dependent Resurvey, Portion of East Boundary
 Hualapai Indian Reservation
 T. 32 N., R. 6 W., G&SR Mer., Arizona

CHAINS	
	<p>Set a brass tablet, 3¼ ins. diam., 3½ in. stem, in cement, in a drill hole, on limestone ledge, with top mkd.</p> <p style="text-align: center;"> W C T32N HIR↑R6W 118½ M S 13 1977 </p> <p>Cor. is located on the SE rim of National Canyon, bears E. and W.</p>
	<p>Dependent Resurvey of a Portion of the East Boundary T. 32 N., R. 6 W., Gila and Salt River Meridian, Arizona</p>
	<p style="text-align: center;">Restoring the survey executed by W. H. Thorn and Heber P. Purington, in 1917</p> <hr style="width: 20%; margin: auto;"/> <p>From the cor. of secs. 13, 18, 19, and 24, on the E. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 18 ins. above ground, and in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;"> T32N R6W R5W <u>S 13 S 18</u> <u>S 24 S 19</u> 1917 </p> <p>from which the original bearing trees</p> <p>A juniper, 7 ins. diam., bears N. 2° E., 52 lks. dist., with scribe marks T32N R5W S18 BT visible on open blaze.</p> <p>A juniper, 6 ins. diam., bears S. 14° E., 33 lks. dist., with scribe marks T32N R5W S19 BT visible on open blaze.</p> <p>A juniper, 5 ins. diam., bears S. 73½° W., 9 lks. dist., with scribe marks T32N R6W S24 BT visible on open blaze.</p> <p>A juniper, 8 ins. diam., bears N. 24° W., 86 lks. dist., with scribe marks T32N R6W S13 BT visible on open blaze.</p> <p>NORTH, between secs. 13 and 18.</p> <p>Over gently rolling land, through scattered timber and light undergrowth.</p>
6.00	Leave timber, bears E. and W.
39.99	The 1/4 sec. cor. of secs. 13 and 18, on the E. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set, projecting 14 ins. above ground, and in a mound of stone, 2 ft. base, 1 ft. high, with brass cap mkd.

Dependent Resurvey, Portion of East Boundary
T. 32 N., R. 6 W., G&SR Mer., Arizona

CHAINS	<p style="text-align: center;">$\frac{1}{4}$ S 13 S 18 1917</p> <p>I add the marks T32N R6W R5W 1975 on the brass cap.</p>
	<p>Dependent Resurvey, Portion of the Subdivisional Lines T. 32 N., R. 6 W., Gila and Salt River Meridian, Arizona</p>
	<p style="text-align: center;">Restoring the surveys executed by W. H. Thorn and Heber P. Purington, in 1917 and Dupree R. Averill and James C. O'Brion, in 1920-21</p> <hr/> <p>From the cor. of secs. 13, 18, 19, and 24, on the E. bdy. of the Tp.</p> <p>S. 89° 59' W., bet. secs. 13 and 24.</p> <p>Over gently rolling land, through scattered timber and light undergrowth.</p> <p>10.00 Leave timber, bears N. and S.</p> <p>25.10 Limestone ledge, 5 ft. high, bears N. and S.; desc. over W. slope.</p> <p>29.60 Gulch, drains N.; asc. over E. slope.</p> <p>34.16 The closing cor. of secs. 13 and 24, at intersection with the E. bdy. of the Hualapai Indian Reservation, monumented with an iron post, 2 ins. diam., firmly set, projecting 30 ins. above ground, supported with a mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd.</p> <p style="text-align: center;">T32N R6W S 13 S 13 C HIR S 24 S 24 C</p> <p style="text-align: center;">1917</p> <p>Cor. is located in fence, bears N. and S.</p> <p>From this point, the 117½ mile post, bears S. 0° 03' W., 17.20 chs. dist., hereinbefore described.</p> <p>39.90 The 1/4 sec. cor. of secs. 13 and 24, monumented with an iron post, 1 in. diam., firmly set, projecting 30 ins. above ground, supported with a mound of stone, 2 ft. base, 1 ft. high, with brass cap mkd.</p> <p style="text-align: center;">$\frac{1}{4}$ S 13 S 24</p> <p style="text-align: center;">1920</p> <p>I add the marks T32N R6W 1975 on the brass cap.</p> <p>Rebuild the mound of stone, 3 ft. base, to top.</p> <hr/> <p>N. 89° 41' W., beginning new measurement.</p>

Dependent Resurvey, Portion of Subdivisional Lines
T. 32 N., R. 6 W., G&SR Mer., Arizona

CHAINS	
	<p>Over rolling land, through light undergrowth.</p> <p>9.90 Trail road, bears N. and S.</p> <p>23.80 Gulch, drains N.</p> <p>36.50 Begin descent over SW slope into small canyon.</p> <p>39.80 The cor. of secs. 13, 14, 23, and 24, monumented with an iron post, 2 ins. diam., firmly set, projecting 24 ins. in the ground, supported with a mound of stone, 2 ft. base, 1 ft. high, with brass cap mkd.</p> <p style="text-align: center;">T32N R6W S 14 S 13 S 23 S 24</p> <p style="text-align: center;">1920</p>
	<p>N. 0° 04' E., bet. secs. 13 and 14.</p> <p>Ascend over SW slope, through scattered timber and light undergrowth.</p> <p>3.80 Leave timber, bears E. and W.; thence over gently rolling land, through light undergrowth.</p> <p>17.50 SE rim of National Canyon, bears NE and SW; desc. 1000 ft. over steep N. slope.</p> <p>38.10 Ravine, drains NW; continue desc. over N. slope.</p> <p>40.27 The 1/4 sec. cor. of secs. 13 and 14, monumented with an iron post, 1 in. diam., firmly set, projecting 30 ins. above ground, supported with a mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd.</p> <p style="text-align: center;">$\frac{1}{4}$ S 14 S 13</p> <p style="text-align: center;">1921</p> <p>I add the marks T32N R6W 1975 on the brass cap.</p>
	<p style="text-align: center;">Subdivision of Section 13 T. 32 N., R. 6 W., Gila and Salt River Meridian, Arizona</p>
	<p>From the 1/4 sec. cor. of secs. 13 and 18, on the E. bdy. of the Tp.</p> <p>N. 89° 39' W., on the E. and W. center line of sec. 13.</p> <p>Over gently rolling land, through light undergrowth.</p> <p>24.70 Gulch, drains N.</p> <p>34.03 Point for the closing cor. of sec. 13, at intersection with the E. bdy. of Hualapai Indian Reservation.</p> <p>Set an iron post, 28 ins. long, 2½ ins. diam., 10 ins. in the ground, supported with a mound of stone, 3 ft. base, to top, with brass cap mkd.</p>

Subdivision of Section 13
T. 32 N., R. 6 W., G&SR Mer., Arizona

<p>CHAINS</p>	<p>T32N R6W HIR C C S 13 C</p> <p>1975</p> <p>Cor. is located in fence, bears N. and S.</p> <p>From this point, the witness cor. to the 118½ mile post, bears N. 0° 19' E., 10.67 chs. dist., hereinbefore described.</p> <p>43.90 Trail road, bears N. and S.</p> <p>57.40 SE rim of National Canyon, bears NNE and SSW; desc. 1000 ft. over steep W. slope.</p> <p>79.66 The 1/4 sec. cor. of secs. 13 and 14.</p>
	<p>General Description</p> <p>The lands included in the notes of the foregoing survey are located about 58 miles west of the town of Grand Canyon, Arizona and about 12 miles southwest of the Indian Village of Supai, Arizona. The area is drained by the National Canyon and a number of it's tributaries. Elevations range from about 4280 feet above sea level near the 1/4 section corner of sections 13 and 14 to about 5990 feet above sea level near the corner of sections 13, 18, 19, and 24, on the east boundary of the township.</p> <p>Access into the area is by way of a few trail roads. Soil in the area is rocky and sandy loam. There are a number of steep cliffs and ledges on the southeast wall of National Canyon.</p> <p>Timber consists of juniper on the plateau; with undergrowth of light to moderate sagebrush and native grass, also located on the plateau.</p> <p>The area is valuable mainly for grazing on the plateau. No mineral deposits were noted during the course of the survey.</p> <p>The average of a number of readings throughout the area gives a value of 14½° E. for the mean magnetic declination. There was no noticeable difference due to local attraction.</p>

CERTIFICATE OF SURVEY

(I) ~~was~~ Gilbert V. Olson, HEREBY
 CERTIFY upon honor that, in pursuance of special instructions bearing date of the 23rd day
 of May, 1975, (I) ~~was~~ have dependently resurveyed a portion of
 the east boundary of the Hualapai Indian Reservation, a portion of the
 east boundary and subdivisional lines, and surveyed the subdivision of
 section 13, Township 32 North, Range 6 West

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), ~~was~~ and under (my)
~~was~~ direction; and that said survey has been made in strict conformity with said special instruc-
 tions, 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.

June 6, 1977
 (Date)

Gilbert V. Olson
 (Cadastral Surveyor)
 Gilbert V. Olson

(Date) (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Washington, D.C.

The foregoing field notes of the dependent resurvey of a portion of the east boundary
 of the Hualapai Indian Reservation, a portion of the east boundary and sub-
 divisional lines, and survey of the subdivision of section 13, Township 32
 North, Range 6 West, Gila and Salt River Meridian, Arizona

executed by Gilbert V. Olson, Supervisory Cadastral Surveyor
 having been critically examined and found correct, are hereby approved.

FEB 14 1979
 (Date)

Bernard W. ...
 (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