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ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF

A PORTION OF THE SOUTH BOUNDARY

AND A PORTION OF THE SUBDIVISIONAL LINES

AND THE METES-AND-BOUNDS SURVEY OF THE

PELONCILLO MOUNTAINS WILDERNESS AREA BOUNDARY

IN TOWNSHIP 11 SOUTH, RANGE 31 EAST,

Of the Gila and Salt River Meridian,
In the State of Arizona

EXECUTED BY
Stephen K. Hansen, Cadastral Surveyor

Under Special Instructions dated January 6, 1992, approved January 6, 1992, which provided for the surveys included under Group Number 739 and assignment instructions dated January 8, 1992.

Survey commenced June 23, 1992
Survey completed July 7, 1992

INDEX DIAGRAM

TOWNSHIP 11 SOUTH, RANGE 31 EAST,

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T. 11 S., R. 31 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the south boundary and a portion of the subdivisional lines, and the metes-and-bounds survey of the Peloncillo Mountains Wilderness Area Boundary in Township 11 South, Range 31 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this resurvey is as follows: A.B. Rich surveyed the south and east boundaries and the subdivisional lines in 1916.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated January 6, 1992, for Group No. 739, Arizona.

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. Identified corners were remonumented in their original positions; lost corners were restored and monumented at proportionate positions based on the original record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The purpose of this survey was to determine the boundary of the Peloncillo Mountains Wilderness Area.

The directions of all lines were determined by direct hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured using a Lietz Set 4 electronic instrument.

The geographic position of the 1/4 sec. cor. of secs. 2 and 35, on the S. bdy. of the Tp., determined by a tie to U.S. Geological Survey triangulation station "HORSECAMP 1948", located in the NE quarter of section 35, T. 11 S., R. 31 E., is as follows:

Latitude: 32°25'34.60" N. Longitude: 109°09'01.29" W. NAD 27

The mean magnetic declination as taken from quadrangle map ENGINE MOUNTAIN, ARIZ., published in 1987 by U.S. Geological Survey, is 11 1/2° E.

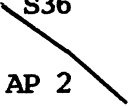
Dependent Resurvey of a Portion of the South Boundary
T. 11 S., R. 31 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">Restoring the survey executed by A.B. Rich in 1916</p> <hr style="width: 20%; margin: auto;"/>
	<p>Beginning at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., monumented with an iron post, 3 ins. diam., firmly set, projecting 24 ins. above ground, in a mound of stone, 4 ft. base, to top, with a mound of stone to the W., 3 ft. base, 2 ft. high, with brass cap mkd. T11S R31E S35 S36 S2 S1 1916.</p>
	<p>Add the marks 1992 to the brass cap.</p>
	<p>N. 89°57' W., bet. secs. 2 and 35.</p>
	<p>Over rocky, mountainous land.</p>
19.98	<p>Point for AP 10, identical with AP 1, T. 12 S., R. 31 E., on the Peloncillo Mountains Wilderness Area Bdy., hereinafter described.</p>
40.07	<p>The 1/4 sec. cor. of secs. 2 and 35, monumented with an iron post, 1 in. diam., firmly set, projecting 24 ins. above ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd. 1/4 S35 S2 1916.</p>
	<p>Add the marks 1992 to the brass cap.</p>
	<p>from which</p>
	<p style="padding-left: 40px;">A rock outcrop, 4 x 2 x 3 ft. high, bears N. 79 3/4° E., 20 1/2 lks. dist., with XBO chiseled on the top face.</p>
	<p style="padding-left: 40px;">A rock outcrop, 3 x 2 x 1 ft. high, bears S. 7 1/4° E., 16 1/2 lks. dist., with XBO chiseled on the N. face.</p>
	<p>From this cor. point, U.S. Geological Survey triangulation station "Horsecamp 1948", with published latitude of 32°26'09.792" N., and longitude of 109°08'51.372" W., NAD 27, bears N 13°26' E., 55.41 chs. dist., monumented with a brass tablet, 3 ins. diam., firmly set, flush with bedrock, mkd. HORSECAMP 1948, with a triangle stamped in the center.</p> <hr style="width: 20%; margin: auto;"/>

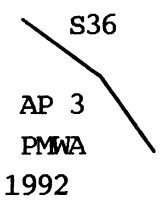
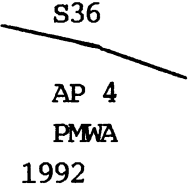
Dependent Resurvey of a Portion of the South Boundary
T. 11 S., R. 31 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.08	<p>N. 89°59' W., beginning new measurement.</p> <p>The cor. of secs. 2, 3, 34 and 35, monumented with an iron post, 3 ins. diam., firmly set, projecting 6 ins. above ground, with a mound of stone to the W., 2 ft. base, 1 1/2 ft. high, with brass cap mkd. T11S R31E S34 S35 S3 S2 T12S 1916.</p> <p>Add the marks 1992 to the brass cap.</p>
	<p>Dependent Resurvey of a Portion of the Subdivisional Lines T. 11 S., R. 31 E., Gila and Salt River Meridian, Arizona</p>
	<p>Restoring the survey executed by A.B. Rich in 1916</p>
	<p>From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp., hereinbefore described.</p> <p>North, bet. secs. 35 and 36.</p> <p>Over rocky, mountainous land.</p>
23.40	<p>Point for AP 8, on the Peloncillo Mountains Wilderness Area Bdy., hereinafter described.</p>
40.04	<p>The 1/4 sec. cor. of secs. 35 and 36, monumented with an iron post, 1 in. diam., firmly set, projecting 26 ins. above ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. 1/4 S35 S36 1916.</p> <p>Add the marks 1992 to the brass cap.</p> <p>Cor. is located on the N. edge of a wash, 10 lks. wide, 4 ft. deep, drains ENE.</p>



Metes-and-Bounds Survey of the
 Peloncillo Mountains Wilderness Area Boundary
 T. 11 S., R. 31 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the point for AP 1, identical with the S 1/16 sec. cor. of secs. 31 and 36, on the E. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 7 ins. above ground, encircled with a collar of stone, with brass cap mkd. T11S S 1/16 R31E R32E S36 S31 1992 as described in the field notes of the dependent resurvey of the W. bdy. of T. 11 S., R. 32 E., executed concurrently under this same group.</p> <p>N. 45°19' W., on line 1-2.</p> <p>2.34 Point for AP 2.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 15 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T11S R31E</p> <p>S36</p>  <p>AP 2</p> <p>PMWA</p> <p>1992</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located on a ridge, bears NE and WSW.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 52°43' W., on line 2-3.</p>
10.07	<p>Point for AP 3.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p>

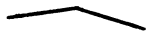
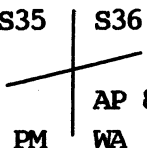
Metes-and-Bounds Survey of the
 Peloncillo Mountains Wilderness Area Boundary
 T. 11 S., R. 31 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<div style="text-align: center;"> <p>T11S R31E</p>  <p>S36</p> <p>AP 3</p> <p>PMWA</p> <p>1992</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 18 lks. S. of a barbed wire fence, bears ESE. and WNW.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 69°34' W., on line 3-4.</p>
<p>16.40</p>	<p>Point for AP 4.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 17 ins. in the ground, to bedrock, in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T11S R31E</p>  <p>S36</p> <p>AP 4</p> <p>PMWA</p> <p>1992</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 15 lks. S. of a barbed wire fence, bears ESE. and WNW., and on a ridge, bears SE. and NW.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 76°35' W., on line 4-5.</p>
<p>10.41</p>	<p>Point for AP 5.</p>

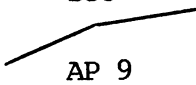
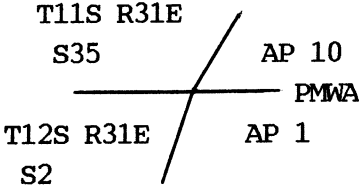
Metes-and-Bounds Survey of the
 Peloncillo Mountains Wilderness Area Boundary
 T. 11 S., R. 31 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 8 ins. in the ground, to bedrock, in a supporting mound of stone, 5 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T11S R31E S36</p>  <p style="text-align: center;">AP 5 PWA 1992</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 28 lks. S. of a barbed wire fence, bears ESE. and SW., and in a saddle, bears ESE. and SW.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 62°28' W., on line 5-6.</p>
17.56	<p>Point for AP 6.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, to bedrock, in a supporting mound of stone, 5 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T11S R31E S36</p>  <p style="text-align: center;">AP 6 PWA 1992</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 177 lks. SW. of a barbed wire fence, bears NE. and WSW., and at the NW. face of rock outcropping.</p> <hr style="width: 20%; margin: 10px auto;"/>

Metes-and-Bounds Survey of the
 Peloncillo Mountains Wilderness Area Boundary
 T. 11 S., R. 31 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>N. 71°26' W., on line 6-7.</p>
7.14	<p>Point for AP 7.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 8 ins. in the ground, to bedrock, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T11S R31E S36  AP 7 PMWA 1992</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 73°39' W., on line 7-8.</p>
23.51	<p>Point for AP 8, on the line bet. secs. 35 and 36.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 11 ins. in the ground, to bedrock, supported in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T11S R31E S35 S36  AP 8 PM WA 1992</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 25 lks. S. of a barbed wire fence, bears ENE. and WSW.</p>

Metes-and-Bounds Survey of the
 Peloncillo Mountains Wilderness Area Boundary
 T. 11 S., R. 31 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>From this cor. point, the 1/4 sec. cor of secs. 35 and 36, bears North, 16.64 chs. dist., hereinbefore described.</p> <hr/> <p style="text-align: center;">In Sec. 35</p> <hr style="width: 20%; margin: auto;"/> <p>S. 65°49' W., on line 8-9.</p>
6.99	<p>Point for AP 9.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, to bedrock, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T11S R31E S36</p>  <p>AP 9 PMWA 1992</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <hr/> <p>S. 33°33' W., on line 9-10.</p>
24.62	<p>Point for AP 10, on the line bet. secs. 2 and 35, on the S. bdy. of the Tp., identical with AP 1, T. 12 S., R. 31 E.,</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, to bedrock, supported in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T11S R31E S35</p>  <p>AP 10 PMWA AP 1</p> <p>T12S R31E S2</p> <p>1992</p> </div>

Metes-and-Bounds Survey of the
Peloncillo Mountains Wilderness Area Boundary
T. 11 S., R. 31 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 9 lks. S. of a barbed wire fence, bears ENE. and WSW.</p> <p>From this cor. point, the 1/4 sec. cor of secs. 2 and 35, bears N. 89°57' W., 20.09 chs. dist., hereinbefore described.</p>
	GENERAL DESCRIPTION
	<p>The land encompassed in this survey is located about 20 miles southerly of Duncan, Arizona, near the New Mexico and Arizona state line. Elevations range from 4500 to 6000 ft. above sea level.</p> <p>Terrain is mountainous and rocky, interspersed with rolling grasslands at the lower elevations. Vegetation consists of juniper, oak, mesquite and cedar. Various species of cacti abound. Bighorn sheep have been re-introduced to the area, and are reportedly increasing in number. Deer and javelina are numerous.</p> <p>Access is by way of Summit Road, via State Highway 70, and dirt roads maintained by area ranchers.</p> <p>Ranching is the principal commercial use of the area. There is significant quantities of fire agate in the area, although it does not appear to be mined at a commercial level.</p>
	Description of the Peloncillo Mountains Wilderness Area Boundary T. 11 S., R. 31 E., Gila and Salt River Meridian, Arizona
	<p>The following description is for informational purposes only.</p> <p style="text-align: center;">_____</p>

T. 11 S., R. 31 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Beginning at Angle Point 1, identical with the S 1/16 sec. cor. of secs. 31 and 36, on the E. bdy. of the Tp.</p> <p>thence N. 45°19' W., 2.34 chs. dist. to Angle Point 2; thence N. 52°43' W., 10.07 chs. dist. to Angle Point 3; thence N. 69°34' W., 16.40 chs. dist. to Angle Point 4; thence N. 76°35' W., 10.41 chs. dist. to Angle Point 5; thence S. 62°28' W., 17.56 chs. dist. to Angle Point 6; thence N. 71°26' W., 7.14 chs. dist. to Angle Point 7; thence S. 73°39' W., 23.51 chs. dist. to Angle Point 8, on the line bet. secs. 35 and 36; thence S. 65°49' W., 6.99 chs. dist. to Angle Point 9; thence S. 33°33' W., 24.62 chs. dist. to Angle Point 10, on the S. bdy. of the Tp., identical with Angle Point 1, T. 12 S., R. 31 E.</p>
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CERTIFICATE OF SURVEY

I, Stephen K. Hansen, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 6th day of January, 1992, I have dependently resurveyed a portion of the south boundary and a portion of the subdivisional lines, and the metes-and-bounds survey of the Peloncillo Mountains Wilderness Area Boundary, in Township 11 South, Range 31 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.

6/19/94

(Date)

Stephen K. Hansen

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the south boundary and a portion of the subdivisional lines, and the metes-and-bounds survey of the Peloncillo Mountains Area Boundary in Township 11 South, Range 31 East, Gila and Salt River Meridian, Arizona, executed by Stephen K. Hansen, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

JUN 22 1994

(Date)

James P. Kelly

(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 11 S., R. 31 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~~~(Chief Cadastral Surveyor of Arizona)~~