

ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE

DEPENDENT RESURVEY OF

A PORTION OF THE WEST BOUNDARY AND

A PORTION OF THE SUBDIVISIONAL LINES,

THE SUBDIVISION OF SECTIONS 30 AND 31,

AND

THE METES-AND-BOUNDS SURVEY OF

THE DOS CABEZAS MOUNTAINS WILDERNESS AREA BOUNDARY,

IN TOWNSHIP 13 SOUTH, RANGE 28 EAST

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

EXECUTED BY
William P. Carpender, Cadastral Surveyor

Under Special Instructions dated and approved October 20, 1994, which provided for the surveys included under Group Number 781, and assignment instructions dated February 6, 1995.

Survey Commenced February 8, 1995
Survey Completed March 13, 1995

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T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the west boundary and a portion of the subdivisional lines, the subdivision of sections 30 and 31, and the metes-and-bounds survey of the Dos Cabezas Mountains Wilderness Area Boundary, in Township 13 South, Range 28 East, Gila and Salt River Meridian, Arizona.

The exterior boundaries and the subdivisional lines were surveyed by Theodore F. White in 1882. The south and west boundaries were resurveyed by William B. Kimmel in 1914.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated October 20, 1994, for Group No. 781, Arizona.

Preliminary to the resurvey, the lines of the previous surveys 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 directions of all lines were determined by direct hour angle observations on the sun, confirmed by observations on the U. S. Geological Survey triangulation network, and further confirmed by the technique of static differential positioning using Ashtech models M-XII and MS-XII geodetic units, and refer to the true meridian. Distances and angles were measured with a Sokkia Set 2BII total station instrument.

The geographic position of the corner of sections 31 and 32 only, on the south boundary of the township, was determined by the technique of static differential positioning using Ashtech models M-XII and MS-XII geodetic units. U.S. Coast and Geodetic Survey triangulation station "NINE 1945" was used as the control station.

Latitude 32°15'08.18" N. Longitude 109°31'03.95" W. NAD27

The mean magnetic declination, as taken from quadrangle map LUZENA, ARIZONA., published in 1979 by U.S. Geological Survey, is 12 1/2° E.

Dependent Resurvey of a Portion of the West Boundary,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS

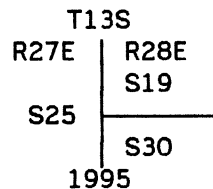
Restoring the resurvey executed by
William B. Kimmel, in 1914

Beginning at the cor. of secs. 19 and 30 only, on the W. bdy. of the Tp., monumented with a juniper post, 62 ins. long, 6 ins. diam., partially squared, firmly set, projecting 44 ins. above the ground, in a mound of stone, 4 ft. base, 2 ft. high, mkd. with 4 notches on N. face, TXIIIS XIX on the NE face, and XX on the SE face, from which the original bearing tree

A decayed mesquite, 8 ins. diam., bears S. 60 1/2° E., 35 lks. dist., with no marks visible.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 11 ins. in the ground, in a mound of stone, 4 1/2 ft. base, to top, with brass cap mkd.



from which new bearing objects

A granite boulder, 8 x 5 x 4 ft. above the ground, bears N. 29 3/4° E., 13 lks. dist., mkd. BX0.

A granite outcropping, 10 x 10 x 10 ft. above the ground, bears S. 20 1/4° E., 19 lks. dist., mkd. BX0.

Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.

Bury the original post alongside the stainless steel post.

S. 0°12' E., on the W. bdy. of sec. 30.

Asc. into steep, rocky, mountainous terrain.

19.80

Point for the N. 1/16 sec. cor. of sec. 30 only.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., over an "X" mkd. on weathered granite bedrock, supported in a mound of stone, 5 ft. base, to top, with brass cap mkd.

Dependent Resurvey of a Portion of the West Boundary,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS

T13S
R27E | R28E
S25 | N 1/16 S30
1995

Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case
beneath the stainless steel post.

39.60

The 1/4 sec. cor. of sec. 30 only, monumented with a juniper
post, 36 ins. long, 3 ins. diam., partially squared, firmly set,
projecting 30 ins. above the ground, in a mound of stone, 4 ft.
base, 2 1/2 ft. high, mkd. with illegible scribe marks on the N.
face.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,
14 ins. in the ground, to bedrock, in a mound of stone, 5 ft.
base, to top, with brass cap mkd.

T13S
R27E | R28E
S25 | 1/4 S30
1995

Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case
beneath the stainless steel post.

Bury the original post alongside the stainless steel post.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by
Theodore F. White, in 1882

From the cor. of secs. 31 and 32 only, on the S. bdy. of the Tp.,
monumented with a stainless steel post, 2 1/2 ins. diam., firmly
set, projecting 13 ins. above ground, supported in a mound of
stone, 3 ft. base, to top, with brass cap mkd. T13S R28E S31 S32
S6 T14S R28E 1995 as described in the field notes of the
dependent resurvey of a portion of the N. bdy., T. 14 S.,
R. 28 E., executed concurrently under this same group.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From this cor. point, U.S. Coast and Geodetic Survey triangulation station, "NINE 1945", with published latitude of 32°14'31.034" N. and longitude of 109°29'36.675" W., NAD27, bears S. 63°24'25" E. (forward bearing), 127.04 chs. dist., monumented with a standard brass tablet, firmly set in concrete, mkd. NINE 1945 and a triangle.</p>
	<p>N. 0°15' W., bet. secs. 31 and 32, on the Dos Cabezas Mountains Wilderness Area Bdy.</p>
	<p>Asc. over rocky, mountainous terrain.</p>
5.00	<p>Ridge, bears NE and SW; begin steep descent.</p>
15.00	<p>End steep descent; thence desc. gradually over rolling land, through cactus and catclaw.</p>
40.07	<p>Point for the 1/4 sec. cor. of secs. 31 and 32, at proportionate dist.; there is no remaining evidence of the original cor.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.</p>
	<p style="text-align: center;">T13S R28E 1/4 S31 S32 1995</p>
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>
	<p>From this cor. point, the NE cor. of the Kratzberg No. 2 Placer Claim bears S. 13°21' W., 1.84 chs. dist., monumented with a mound of stone, 2 1/2 ft. base, 2 ft. high, with the shredded remains of location notices in a glass jar inside the mound of stone.</p>
60.105	<p>Point for the N. 1/16 sec. cor. of secs. 31 and 32.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p>
	<p style="text-align: center;">T13S R28E N 1/16 S31 S32 1995</p>
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Leave the Dos Cabezas Mountains Wilderness Area Bdy.</p> <p>80.14 Point for the cor. of secs. 29, 30, 31, and 32, at proportionate dist.; there is no remaining evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 13 ins. in the ground, to bedrock, in a mound of stone, 5 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <table style="border-collapse: collapse; margin: auto;"> <tr><td>T13S</td><td>R28E</td></tr> <tr><td>S30</td><td> </td><td>S29</td></tr> <tr><td colspan="3" style="border-top: 1px solid black;"></td></tr> <tr><td>S31</td><td> </td><td>S32</td></tr> <tr><td colspan="3" style="border-bottom: 1px solid black;"></td></tr> <tr><td colspan="3" style="text-align: center;">1995</td></tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>The cor. is located on a bar within a wash, 6 ft. deep, 1.5 chs. wide, drains NE from WSW.</p> <p>From this cor. point, the SE cor. of the berm of the stock tank near Trendt Windmill, bears N. 2° W., 6 1/2 chs. dist.</p> <hr style="border: 0.5px solid black;"/> <p>From the cor. of secs. 28, 29, 32, and 33, monumented with a quartzite stone, 13 x 10 x 6 ins., firmly set, projecting 5 ins. above the ground, mkd. with 4 grooves on E. face, 1 groove on the chipped S. face, with a mound of stone, 3 ft. base, 1 1/2 ft. high, NW of the cor.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="border-collapse: collapse; margin: auto;"> <tr><td>T13S</td><td>R28E</td></tr> <tr><td>S29</td><td> </td><td>S28</td></tr> <tr><td colspan="3" style="border-top: 1px solid black;"></td></tr> <tr><td>S32</td><td> </td><td>S33</td></tr> <tr><td colspan="3" style="border-bottom: 1px solid black;"></td></tr> <tr><td colspan="3" style="text-align: center;">1995</td></tr> </table> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Bury the original stone alongside the stainless steel post.</p> <p>Rebuild the mound of stone, 3 1/2 ft. base, 2 ft. high, N. of the cor.</p>	T13S	R28E	S30		S29				S31		S32				1995			T13S	R28E	S29		S28				S32		S33				1995		
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1995																																			

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.10	<p>S. 89°50' W., bet. secs. 29 and 32.</p> <p>The 1/4 sec. cor. of secs. 29 and 32, monumented with a quartzite stone, 10 x 8 x 4 ins., firmly set, projecting 5 ins. above the ground, mkd. 1/4 on N. face, with a mound of stone, 2 ft. base, 1 ft. high, S. of the cor.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 19 ins. in the ground, encircled with a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T13S R28E S29 1/4 ————— S32 1995</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Bury the original stone alongside the stainless steel post.</p> <p>The original mound of stone S. of the cor. was dismantled and incorporated in the remonumentation.</p> <hr style="width: 20%; margin: 10px auto;"/>
40.15	<p>S. 89°43' W., beginning new measurement.</p> <p>The cor. of secs. 29, 30, 31, and 32.</p> <hr/>
20.05	<p>N. 88°42' W., bet. secs. 30 and 31.</p> <p>Asc. gradually over rolling land, through cactus and catclaw.</p> <p>Point for the E. 1/16 sec. cor. of secs. 30 and 31.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T13S R28E S30 E 1/16 ————— S31 1995</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.10	<p>Point for the 1/4 sec. cor. of secs. 30 and 31, at proportionate dist.; there is no remaining evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 17 ins. in the ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T13S R28E S30 1/4 ——— S31 1995</p>
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>
	<p>Begin steep ascent into mountainous terrain.</p>
79.37	<p>The cor. of secs. 30 and 31 only, on the W. bdy. of the Tp., monumented with a juniper post, 63 ins. long, 5 ins. diam., partially squared, firmly set, projecting 40 ins. above the ground, in a mound of stone, 4 ft. base, 3 ft. high, mkd. with 4 notches on the N. edge, with illegible scribe marks on the NE and SE faces, from which the original bearing tree</p> <p style="text-align: center;">A juniper, 22 ins. diam., bears S. 55° E., 107 lks. dist., with no marks visible.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 6 ins. in the ground, in a mound of stone, 8 ft. base, 1 1/2 ft high, with brass cap mkd.</p>
	<p style="text-align: center;">T13S R27E R28E S36 S30 S31 1995</p>
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>
	<p>Bury the original post alongside the stainless steel post.</p>
	<hr/> <p>From the cor. of secs. 29, 30, 31, and 32.</p>
	<p>N. 0°54' E., bet. secs. 29 and 30.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
20.04	<p>Desc. gradually over rolling land, through cactus and catclaw.</p> <p>Point for the S. 1/16 sec. cor. of secs. 29 and 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 19 ins. in the ground, in a mound of stone, 5 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T13S R28E S 1/16 S30 S29 1995</p>
40.08	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Point for the 1/4 sec. cor. of secs. 29 and 30, at proportionate dist.; there is no remaining evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T13S R28E 1/4 S30 S29 1995</p>
80.16	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>The cor. of secs. 19, 20, 29, and 30, monumented with a quartzite stone, 15 x 8 x 5 ins., loosely set, projecting 3 ins. above the ground, in a scattered mound of stone, 6 ft. base, with no marks visible.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 19 ins. in the ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T13S R28E S19 S20 ----- S30 S29 1995</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Bury the original stone alongside the stainless steel post.
	N. 89°42' W., bet. secs. 19 and 30.
	Asc. gradually over rolling land, through cactus and catclaw.
6.00	Fence, bears N. and S.
22.00	Begin steep ascent into rocky, mountainous terrain.
40.00	Top of high, mountainous ridge, bears N. and S.; desc. steep, rocky, W. slope.
40.72	Point for the 1/4 sec. cor. of secs. 19 and 30, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T13S R28E S19 1/4 ——— S30 1995
	Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.
80.62	The cor. of secs. 19 and 30 only, on the W. bdy. of the Tp., hereinbefore described.
	Subdivision of Section 30, T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona
	From the 1/4 sec. cor. of secs. 30 and 31.
	N. 0°27' E., on the N. and S. center line of sec. 30.
	Asc. across a steep, rocky, E. slope.
39.62	Point for the center 1/4 sec. cor. of sec. 30, at intersection with the E. and W. center line of sec. 30.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 7 ins. in the ground, to bedrock, supported in a mound of stone, 5 ft. base, to top, with brass cap mkd.

Subdivision of Section 30,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T13S R28E C 1/4 S30 1995</p> <p>from which</p> <p style="padding-left: 40px;">A granite outcropping, 23 x 9 x 12 ft. high, bears S. 1 1/2° E., 19 lks. dist., mkd. BX0.</p> <p style="padding-left: 40px;">A granite outcropping, 12 x 6 x 5 ft. high, bears N. 65 1/4° W., 26 lks. dist., mkd. BX0.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>The cor. is located on a steep, rocky, E. slope.</p> <p>Thence on the Dos Cabezas Mountains Wilderness Area Bdy.</p>
59.53	<p>Point for the center N. 1/16 sec. cor. of sec. 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground to bedrock, in a mound of stone, 6 ft. base, 4 ft. high, to top, with brass cap mkd.</p>
	<p style="text-align: center;">T13S R28E C N1/16 S30 C 1995</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>The cor. is located on steep, rocky, ESE slope.</p> <p>Leave the Dos Cabezas Mountains Wilderness Area Bdy.</p>
79.44	<p>The 1/4 sec. cor. of secs. 19 and 30.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 29 and 30.</p> <p>N. 89°21' W., on the E. and W. center line of sec. 30.</p> <p>Asc. gradually, over rolling land, through cactus and catclaw.</p>
20.20	<p>Point for the center E. 1/16 sec. cor. of sec. 30.</p>

Subdivision of Section 30,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, in a mound of stone, 10 x 4 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T13S R28E E 1/16 C-----C S30 1995</p> </div> <p>from which</p> <p>A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 21 ins. in the ground, for a reference monument, bears S. 19°43' W., 82.0 ft. dist., with brass cap mkd. RM T13S R28E 82.0 ft. TO COR. CE 1/16 S30 1995, and an arrow pointing the cor. Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>The cor. is located on the S. edge of a wash, 6 lks. wide, 1 ft. deep, drains NE.</p> <p>Thence on the Dos Cabezas Wilderness Area Bdy.</p>
30.00	Begin steep ascent.
40.40	The center 1/4 sec. cor. of sec. 30.
	Leave the Dos Cabezas Wilderness Area Bdy.
61.44	Intersect line 3-4 of the metes-and-bounds survey of the Dos Cabezas Mountains Wilderness Area Bdy., not monumented.
	From this point, AP 3, sec. 30, hereinafter described, bears N. 17°25' W., 1.34 chs. dist.
	Desc. steep, rocky, NW slope.
79.85	The 1/4 sec. cor. of sec. 30 only, on the W. bdy. of the Tp.
	<hr/> <p>SE 1/4</p> <hr/>
	From the E. 1/16 sec. cor. of secs. 30 and 31.
	N. 0°40' E., on the N. and S. center line of the SE 1/4 of sec. 30.

Subdivision of Section 30,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
39.85	<p>Thence on the Dos Cabezas Mountains Wilderness Area Bdy. The center E. 1/16 sec. cor. of sec. 30.</p>
	<hr/> <p style="text-align: center;">NW 1/4</p> <hr/>
	<p>From the center N. 1/16 sec. cor. of sec. 30. N. 89°31' W., on the E. and W. center line of the NW 1/4 of sec. 30.</p>
8.54	<p>Thence on the Dos Cabezas Mountains Wilderness Area Bdy. Point for AP 1, sec. 30, on the Dos Cabezas Mountains Wilderness Area Bdy., hereinafter described.</p>
	<p>Leave the Dos Cabezas Mountains Wilderness Area Bdy.</p>
39.68	<p>The N. 1/16 sec. cor. of sec. 30 only, on the W. bdy. of the Tp.</p>
	<hr/> <p style="text-align: center;">Subdivision of Section 31, T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona</p> <hr/>
	<p>From the 1/4 sec. cor. of sec. 31 only, on the S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 18 ins. above ground, supported in a mound of stone, 3 ft. base, to top, with brass mkd. T13S R28E 1/4 S31 T14S R28E 1995 and witnessed as described in the field notes of the dependent resurvey of a portion of the N. bdy., T. 14 S., R. 28 E., executed concurrently under this same group.</p>
	<p>N. 0°33' W., on the N. and S. center line of sec. 31. Desc., over steep, rocky, mountainous terrain.</p>
40.55	<p>Point for the center 1/4 sec. cor. of sec. 31, at intersection with the E. and W. center line of sec. 31. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 4 1/2 ft. base, to top, with brass cap mkd.</p>
	<p style="text-align: center;">T13S R28E C 1/4 S31 1995</p>

Subdivision of Section 31,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
60.81	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>Point for the center N. 1/16 sec. cor. of sec. 31.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a mound of stone, 4 1/2 ft. base, to top, with brass cap mkd.</p>
81.07	<div style="text-align: center;"> <p>T13S R28E</p> <p>C</p> <p> </p> <p>N1/16 S31</p> <p> </p> <p>C</p> <p>1995</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>The 1/4 sec. cor. of secs. 30 and 31.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 31 and 32.</p> <p>N. 89°20' W., on the E. and W. center line of sec. 31.</p> <p>Ascend.</p>
19.94	<p>Point for the center E. 1/16 sec. cor. of sec. 31.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p>
39.88	<div style="text-align: center;"> <p>T13S R28E</p> <p>E 1/16</p> <p>— C — C</p> <p>S31</p> <p>1995</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>The center 1/4 sec. cor. of sec. 31.</p>
78.98	<p>The 1/4 sec. cor. of sec. 31 only, on the W. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set, projecting 26 ins. above ground, in a mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. 1/4 S36 S31 1914.</p>

Subdivision of Section 31,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS

from which the 1914 bearing trees

A dead and down oak, 16 ins. diam., bears S. 55 1/2° E.,
38 1/2 lks. dist., with no marks visible.
(Record S. 47° E., 37 lks. dist.)

A dead and down oak, 18 ins. diam., bears N. 45 1/2° E.,
8 1/2 lks. dist., mkd. with illegible scribe marks.
(Record S. 67° W., 17 lks. dist.) This bearing tree has
rolled down slope, it's original position could not be
determined.

Change the marks on the brass cap so that it now reads

	T13S	
R27E	R28E	
	1/4	
S36	S31	
	1995	
	1914	

NE 1/4

From the center E. 1/16 sec. cor. of sec. 31.

N. 0°24' W., on the N. and S. center line of the NE 1/4 of
sec. 31.

20.15

Point for the NE 1/16 sec. cor. of sec. 31, at intersection with
the E. and W. center line of the NE 1/4 of sec. 31.

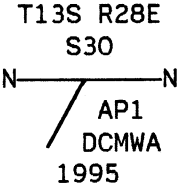
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,
8 ins. in the ground, to bedrock, supported in a mound of stone,
5 ft. base, to top, with brass cap mkd.

T13S R28E
NE 1/16 S31
1995

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set
21 ins. in the ground, in a mound of stone, 4 ft. base, to
top, for a reference monument, bears N. 22°15' W.,
176.0 ft. dist., with brass cap mkd. RM T13S R28E NE 1/16
S31 176.0 ft. TO COR. 1995, and an arrow pointing to the
cor. Deposit a magnet in a 1 x 1 x 2 5/8 in. white
plastic case beneath the stainless steel post.

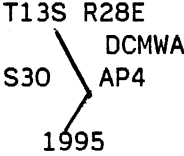
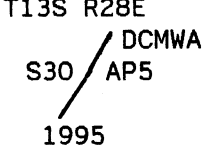
Subdivision of Section 31,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.30	<p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>The cor. is located in a wash, 12 lks. wide, 1 1/2 ft. deep, drains ENE from SW.</p> <p>Thence on the Dos Cabezas Mountains Wilderness Area Bdy.</p> <p>The E. 1/16 sec. cor. of secs. 30 and 31.</p> <hr/>
19.99	<p>From the N. 1/16 sec. cor. of secs. 31 and 32.</p> <p>N. 89°00' W., on the E. and W. center line of the NE 1/4 of sec. 31.</p> <p>Thence on the Dos Cabezas Mountains Wilderness Area Bdy.</p> <p>The NE 1/16 sec. cor. of sec. 31.</p> <p>Leave the Dos Cabezas Mountains Wilderness Area Bdy.</p>
39.98	<p>The center N. 1/16 sec. cor. of sec. 31.</p> <hr/> <p style="text-align: center;">Metes-and-Bounds Survey of the Dos Cabezas Mountains Wilderness Area Boundary, T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the point for AP 1, sec. 30, on the E. and W. center line of the NW 1/4 of sec. 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;">  <p>T13S R28E S30 N ——— N / AP1 / DCMWA / 1995</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>The cor. is located on a steep NE slope, on a ridge, bears NNE and SSW, and 5 chs. S. of a saddle.</p>

Metes-and-Bounds Survey of the
 Dos Cabezas Mountains Wilderness Area Bdy.,
 T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
14.82	<p>From this cor. point, the center N. 1/16 sec. cor. of sec. 30, hereinbefore described, bears S. 89°31' E., 8.54 chs. dist.</p> <p>S. 42°27' W., on line 1-2, sec. 30, on the Dos Cabezas Mountains Wilderness Area Bdy.</p> <p>Asc., along the top of a high, mountainous ridge.</p> <p>Point for AP 2, sec. 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., on bedrock, supported in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div data-bbox="844 730 1031 892" style="text-align: center;"> <p>T13S R28E S30 / DCMWA AP2 1995</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>The cor. is located on a granite outcrop, 30 x 15 x 10 ft. high, on a ridge, bears NE and SSW.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 22°05' W., on line 2-3, sec. 30.</p>
8.12	<p>Point for AP 3.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., on bedrock, supported in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div data-bbox="852 1402 1055 1585" style="text-align: center;"> <p>T13S R28E S30 / DCMWA AP3 1995</p> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.</p> <p>The cor. is located on a granite outcrop, 20 x 15 x 10 ft. high, on a ridge, bears NNE and SSE.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 17°25' E., on line 3-4, sec. 30.</p>

Metes-and-Bounds Survey of the
 Dos Cabezas Mountains Wilderness Area Bdy.,
 T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
1.34	Intersect the E. and W. center line of sec. 30, not monumented.
	From this point, the center 1/4 sec. cor. of sec. 30, hereinbefore described, bears S. 89°21' E., 21.04 chs. dist.
4.11	Point for AP 4, sec. 30.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., on bedrock, supported in a mound of stone, 3 1/2 ft. base, to top, with brass cap mkd.
	<div style="text-align: center;">  </div>
	Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.
	The cor. is located on a granite outcrop, 20 x 10 x 4 ft. high, on a ridge, bears SSW., and NNW.
	<hr style="width: 20%; margin: auto;"/>
	S. 26°24' W., on line 4-5, sec. 30.
23.34	Point for AP 5, sec. 30.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 5 ins. in the ground, to bedrock, supported in a mound of stone, 5 ft. base, to top, with brass cap mkd.
	<div style="text-align: center;">  </div>
	Deposit a magnet in a 1 x 1 x 2 5/8 in. white plastic case beneath the stainless steel post.
	The cor. is located on a granite outcrop, 10 x 5 x 3 ft. high, on a ridge, bears NNE and SSW.
	<hr style="width: 20%; margin: auto;"/>
	S. 30°14' W., on line 5-6, sec. 30.
17.84	Point for AP 6, sec. 30, identical with AP 1, sec. 36, T. 13 S., R. 27 E., and the cor. of secs. 30 and 31 only, on the W. bdy. of the Tp., hereinbefore described.

T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

The area surveyed is located approximately 5 miles SSW of Bowie, Arizona, a small town on U.S. Interstate Highway 10, and approximately 30 miles west of the Arizona-New Mexico state line.

The terrain consists of steep, rocky, mountainous land, with sparse growth of cactus, catclaw and manzanita brush, with scattered juniper and oak trees. The average elevation is 4800 feet above sea level.

Access is provided by U.S. Interstate Highway 10, with a graded farm road leading south to an El Paso Natural Gas Co. pipeline access road, then track roads ending at Trendt and Woodrow Windmills.

There is some evidence of mineral locations throughout the area, but no open cases in the official record. There is virtually no other occupancy, except for some limited grazing use.

The mean magnetic declination is $12 \frac{1}{2}^{\circ}$ E., as shown on U.S.G.S. Quadrangle "LUZENA, ARIZONA.", 1979 edition.

Description of the Dos Cabezas Mountains Wilderness Area Bdy.,
T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

The following is for informational purposes only

Beginning at the cor. of secs. 31 and 32 only, on the S. bdy of the Tp.

thence N. $0^{\circ}15'$ W., on the line bet. secs. 31 and 32, 60.105 chs. dist., to the N. $1/16$ sec. cor. of secs. 31 and 32;

thence N. $89^{\circ}00'$ W., on the E. and W. center line of the NE $1/4$ of sec. 31, 19.99 chs. dist., to the NE $1/16$ sec. cor of sec. 31;

thence N. $0^{\circ}24'$ W., on the N. and S. center line of the NE $1/4$ of sec. 31, 20.15 chs. dist., to the E. $1/16$ sec. cor. of secs. 30 and 31;

thence N. $0^{\circ}40'$ E., on the N. and S. center line of the SE $1/4$ of sec. 30, 39.85 chs. dist., to the center E. $1/16$ sec. cor of sec. 30;

thence N. $89^{\circ}21'$ W., on the E. and W. center line of sec. 30, 20.20 chs. dist., to the center $1/4$ sec. cor. of sec. 30;

thence N. $0^{\circ}27'$ E., on the N. and S. center line of sec. 30, 19.91 chs. dist., to the center N. $1/16$ sec. cor. of sec. 30;

T. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS

thence N. 89°31' W., on the E. and W. center line of the NW 1/4 of sec. 30, 8.54 chs. dist., to Angle Point 1, sec. 30;
thence S. 42°27' W., 14.82 chs. dist., to Angle Point 2, sec. 30;
thence S. 22°05' W., 8.12 chs. dist., to Angle Point 3, sec. 30;
thence S. 17°25' E., 4.11 chs. dist., to Angle Point 4, sec. 30;
thence S. 26°24' W., 23.34 chs. dist., to Angle Point 5, sec. 30;
thence S. 30°14' W., 17.84 chs. dist., to Angle Point 6, sec. 30,
identical with Angle Point 1, sec. 36, T. 13 S., R. 27 E.,
and the cor. of secs. 30 and 31 only, on the W. bdy. of the
Tp.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Geoffrey A. Graham	Surveying Technician
Robert J. Lyle	Surveying Technician

CERTIFICATE OF SURVEY

I, Dale C. Wilson, Supervisory Cadastral Surveyor, HEREBY CERTIFY upon honor that, William P. Carpender, Cadastral Surveyor, in pursuance of Special Instructions bearing date of the 20th day of October, 1994, has dependently resurveyed a portion of the west boundary and a portion of the subdivisional lines, subdivided sections 30 and 31, and executed the metes-and-bounds survey of the Dos Cabezas Mountains Wilderness Area Boundary, in Township 13 South, Range 28 East, Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by him and under his 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.

William P. Carpender is no longer assigned to this office and is not available for signature.

8/27/98
(Date)

Dale C. Wilson
(Supervisory 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 the west boundary and a portion of the subdivisional lines, the subdivision of sections 30 and 31, and the metes-and-bounds survey of the Dos Cabezas Mountains Wilderness Area Boundary, in Township 13 South, Range 28 East, Gila and Salt River Meridian, Arizona, executed by William P. Carpender, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

October 26, 1998
(Date)

Kenny D. Lavonkar
(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. 13 S., R. 28 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

(Date)

(Chief Cadastral Surveyor of Arizona)