

ORIGINAL  
BOOK 5351  
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R-5351

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE

---

DEPENDENT RESURVEY OF A PORTION OF THE WEST AND NORTH BOUNDARIES,

---

A PORTION OF THE SUBDIVISIONAL LINES,

---

THE SUBDIVISION OF SECTION 19,

---

AND THE METES AND BOUNDS SURVEY OF THE BOUNDARY

---

OF MUGGINS MOUNTAINS WILDERNESS AREA,

---

IN TOWNSHIP 8 SOUTH, RANGE 19 WEST,

---

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

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EXECUTED BY

Stephen K. Hansen, Cadastral Surveyor

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Under Special Instructions dated March 12, 1991 and Amended Special Instructions dated April 18, 1991, approved March 12, 1991 and April 18, 1991, which provided for the surveys included under Group Number 729 and assignment instructions dated March 12, 1991 and October 16, 1991.

Survey commenced April 1, 1991

Survey completed Jan. 27, 1992

INDEX DIAGRAM

TOWNSHIP 8 SOUTH, RANGE 19 WEST,

	12	11	10	9		
	6	5	4	3	2	1
8	7	8	9	10	11	12
7	18	17	16	15	14	13
6	18	17				
4	19	16	20	21	22	23
	14	15				
	14	13				
	30	29	28	27	26	25
	31	32	33	34	35	36

- Subdivision of Section 19 pp. 18-21
- Cherry Stem Metes-and-Bounds pp. 22-28
- East bdy. of MMWA Metes-and-Bounds in sec. 19 pp. 28-30
- East bdy. of MMWA Metes-and-Bounds in sec. 20 pp. 30-31
- East bdy. of MMWA Metes-and-Bounds pp. 31-36
- North bdy. of MMWA Metes-and-Bounds pp. 36

T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p>The following field notes described the dependent resurvey of portions of the west and north boundaries, portions of the subdivisional lines, the subdivision of section 19, and the metes and bounds survey of the boundary of Muggins Mountains Wilderness Area in Township 8 South, Range 19 West, Gila and Salt River Meridian, Arizona.</p> <p>The survey was executed in accordance with the specifications as set forth in the <u>Manual of Surveying Instructions, 1973</u>, and the <u>Special Instructions dated March 12, 1991</u>, and the <u>Amended Special Instructions dated April 18, 1991</u>, for Group No. 729, Arizona.</p> <p>In 1910 and 1911, John F. Hesse surveyed the north boundary of Township 9 South, Range 19 West. In 1912, Sidney E. Blout surveyed the south, east, west and north boundaries and subdivided the south half of Township 8 South, Range 19 West. In 1915 and 1916, William B. Kimmel surveyed the east boundary and subdivided Township 8 South, Range 20 West. Ray Harpin, Douglas A. Cody and Paul J. Fisher surveyed the south and west boundaries and subdivided Township 8 South, Range 19 West, in 1969 through 1981.</p> <p>Preliminary to the resurvey, the lines of the original survey were retraced and a 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.</p> <p>The purpose of this survey was to determine the boundary of Muggins Mountains Wilderness Area.</p> <p>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 with a Lietz Set 4 and a Geodometer 140 electronic instruments.</p> <p>The geographic position of the corner of sections 19, 20, 29 and 30 was determined by the technique of relative positioning using the Ashtech XII Geodetic Survey Unit. U.S. Coast and Geodetic Survey triangulation stations "Adonde" and "Overpass" were used as the control stations. Elevation and coordinates refer to the top of the monument.</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: left;">Elevation</td> <td style="text-align: center;">Latitude</td> <td style="text-align: right;">Longitude</td> <td></td> </tr> <tr> <td style="text-align: left;">326.2 ft.</td> <td style="text-align: center;">32°42'25.64" N.</td> <td style="text-align: right;">114°14'40.80" W.</td> <td style="text-align: right;">NAD 27</td> </tr> </table> <p>The mean magnetic declination is 13° East.</p>	Elevation	Latitude	Longitude		326.2 ft.	32°42'25.64" N.	114°14'40.80" W.	NAD 27
Elevation	Latitude	Longitude							
326.2 ft.	32°42'25.64" N.	114°14'40.80" W.	NAD 27						

Dependent Resurvey of a Portion of the West Boundary,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	<p style="text-align: center;">Restoring the survey executed by Sydney Blout in 1912</p> <hr/> <p>Beginning at the cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the Tp., monumented with an iron post, 3 ins. diam., firmly set, 20 ins. below ground, with brass cap mkd., T8S R20W R19W S19 S24 S25 S30 1912, from which</p> <p style="padding-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 27 ins. in the ground, for a reference monument, bears N. 46 1/2° E., 39.7 ft. dist., with brass cap mkd. RM T8S R19W S19 39.7 FT TO COR 1991, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p style="padding-left: 40px;">A X BO chiseled on the W. face of a concrete abutment, bears S. 35 1/2° E., 120.5 lks. dist.</p> <p style="padding-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 27 ins. in the ground, for a reference monument, bears S. 39° W., 42.9 ft. dist., with brass cap mkd. RM T8S R20W S25 42.9 FT TO COR 1991, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Add marks 1991 to the brass cap.</p> <p>Cor. is located at the intersection of Ave. 22 East and 8th Street.</p> <p>N. 0°02' E., bet. secs. 19 and 24, on the W. bdy. of the tp.</p> <p>Along rolling land.</p> <p>18.80 Dike, 20 lks. wide, bears ESE and WNW.</p> <p>19.995 Point for the S. 1/16 sec. cor. of secs. 19 and 24.</p>
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Dependent Resurvey of a Portion of the West Boundary,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T8S R20W R19W S 1/16 S24   S19 1991</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>Set a steel fence post near the cor.</p>
	<p>Cor. is located at the S. edge of a wash, 80 lks. wide, 3 ft. deep, drains WNW.</p>
<p>22.205</p>	<p>Point for AP 18, for the bdy. of Muggins Mountains Wilderness Area.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T8S R20W   R19W AP18 S24   S19 1991</p> <p style="text-align: right; margin-right: 50px;">MWA</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>24.40</p>	<p>Ridge, bears ENE AND WSW.</p>
<p>39.99</p>	<p>Point for 1/4 sec. cor. of secs. 19 and 24, 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, with brass cap mkd.</p>
	<p style="text-align: center;">T8S R20W R19W 1/4 S24   S19 1991</p>

Dependent Resurvey of a Portion of the West Boundary,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	A mound of stone, 3 ft. base, 2 ft. high, lies W. of cor.
42.50	Ridge, bears NNE and SSW.
45.40	Wash, 20 lks. wide, 5 ft. deep, drains SW.
77.40	Top of cliffs, bears E. and W., desc. into canyon.
79.98	The cor. of secs. 13, 18, 19 and 24, monumented with an iron post, 3 ins. diam., firmly set, projecting 8 ins. above ground, with a mound of stone, 3 ft. base, 2 ft. high to the W., with brass cap mkd., T8S R20W R19W S18 S13 S24 S19 1912.
	Not remonumented.
	Cor. is located on a steep N. slope.
	N. 0°01' E., between secs. 13 and 18.
10.80	Ridge, bears SE and NW.
22.00	Wash, 20 lks. wide, drains WNW.
24.50	Spur, bears E. and W.
26.20	Wash, 15 lks. wide, 3 ft. deep, drains WSW.
40.01	True point for the 1/4 cor. sec. cor. of secs. 13 and 18, at proportionate dist. Point falls on an unstable steep N. slope, above a wash, where it is impracticable to establish a permanent monument.
41.90	Wash, 40 lks. wide, drains SSW.

Dependent Resurvey of a Portion of the West Boundary,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
43.51	<p>The witnessed cor. for secs. 13 and 18, monumented with an iron post, 1 in. diam., firmly set, projecting 11 ins. above ground, with a mound of stone, 3 ft. base, 2 ft. high, to the E., with brass cap mkd., T8SR20W S13 WC 1/4 S18 R19W</p> <p>Not remonumented.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°03' E., beginning new measurement.</p>
36.54	<p>The cor. of secs. 7, 12, 13 and 18, monumented with an iron post, 3 ins. diam., firmly set, projecting 24 ins. from the ground in a mound of stone, 3 ft. base, to top, with a mound of stone, 2 ft. base, 1 1/2 ft. high to the W., with brass cap mkd., T8S R20W R19W S7 S12 S13 S18 1912.</p> <p>Not remonumented.</p> <p>Cor. is located on top of a ridge, bears ESE and WNW.</p> <p>N. 0°04' E., bet. secs. 7 and 12, on the W. bdy. of the tp.</p> <p>Along broken, rocky land with scattered cacti and palo verde.</p>
9.41	<p>Point for AP 1, identical with AP 16, T. 8 S., R. 20 W., and a witness point, on the bdy. of Muggins Mountains Wilderness Area.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 8 ins. in the ground, to bedrock, in a mound of stone and concrete, 3 ft. base to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> </div> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p>

Dependent Resurvey of a Portion of the West Boundary,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS							
10.92	<p>Point for AP 17, identical with AP 17, T. 8 S., R. 20 W., and a witness point, on the bdy. of Muggins Mountains Wilderness Area.</p>						
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 14 ins. in the ground, with brass cap mkd.</p>						
	<div style="text-align: center;"> <p>WP T8S</p> <table border="0" style="margin: auto;"> <tr> <td>R20W</td> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;">R19W</td> </tr> <tr> <td>MM</td> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;">WA</td> </tr> <tr> <td>AP17</td> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;">AP17</td> </tr> </table> <p style="margin-top: 10px;">S12 1991</p> </div>	R20W	R19W	MM	WA	AP17	AP17
R20W	R19W						
MM	WA						
AP17	AP17						
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p>						
17.00	<p>Spur, bears NE and SW.</p>						
36.50	<p>Ridge, bears NNW and SSE.</p>						
40.04	<p>The 1/4 sec. cor. of secs. 7 and 12, monumented with an iron post, 1 in. diam., firmly set, projecting 14 ins. from the ground, in a collar of stone, with a mound of stone, 3 ft. base, 2 ft. high to the W., with brass cap mkd., 1/4 S12 S7 1912.</p>						
	<p>Not remonumented.</p>						
	<p>Cor. is located on a N. slope.</p>						

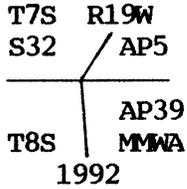
Dependent Resurvey of a Portion of the North Boundary,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p style="text-align: center;">Restoring the survey executed by Sydney Blout in 1912</p> <hr style="width: 20%; margin: auto;"/> <p>From the 1/4 sec. cor. of secs. 3 and 34, monumented with an iron pipe, 1 in. diam., firmly set, projecting 12 ins. above ground, in a collar of stone, with brass cap, mkd. and witnessed as described in the field note record of the dependent resurvey of the S. bdy., T. 7 S., R. 19 W., executed concurrently under this same group.</p> <p>N. 89°54' W., bet. secs. 3 and 34.</p> <p>Over rugged land with scattered cacti and palo verde.</p> <p>30.76 Point for AP 37, identical with AP 1, T. 7 S., R. 19 W., on the bdy. of the Muggins Mountains Wilderness Area.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> </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 W. facing slope, 85 lks. W. of ridge top, bears N. and S.</p> <p>39.75 The cor. of secs. 3, 4, 33, and 34, monumented with an iron pipe, 3 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd. and witnessed as described in the field note record of the dependent resurvey of the S. bdy., T. 7 S., R. 19 W., executed concurrently under this same group.</p> <hr style="width: 60%; margin-left: 0;"/>
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Dependent Resurvey of a Portion of the North Boundary,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>N. 89°51' W., bet. secs. 4 and 33.</p> <p>Over rugged land with scattered cacti and palo verde.</p>															
40.07	<p>The 1/4 sec. cor. of secs. 4 and 33, monumented with an iron pipe, 1 in. diam., firmly set, projecting 15 ins. above ground, with brass cap mkd. and witnessed as described in the field note record of the dependent resurvey of the S. bdy., T. 7 S., R. 19 W., executed concurrently under this same group.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>West, beginning new measurement.</p>															
16.51	<p>Point for AP 38, identical with AP 3, T. 7 S., R. 19 W., on the bdy. of the Muggins Mountains Wilderness Area.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin: auto;"> <tr> <td style="padding: 2px;">T7S</td> <td style="padding: 2px;">R19W</td> <td></td> </tr> <tr> <td style="padding: 2px;">S33</td> <td style="padding: 2px;">AP3</td> <td style="border-left: 1px solid black; width: 10px;"></td> </tr> <tr> <td></td> <td style="padding: 2px;">AP38</td> <td></td> </tr> <tr> <td style="padding: 2px;">T8S</td> <td style="padding: 2px;">MMWA</td> <td></td> </tr> <tr> <td></td> <td style="padding: 2px;">1992</td> <td></td> </tr> </table> </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 75 lks. E. of a ravine, 10 lks. wide, 2 ft. deep, drains NW.</p>	T7S	R19W		S33	AP3			AP38		T8S	MMWA			1992	
T7S	R19W															
S33	AP3															
	AP38															
T8S	MMWA															
	1992															
40.025	<p>The cor. of secs. 4, 5, 32, and 33, on the N. bdy. of the Tp., monumented with an iron pipe, 3 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd. and witnessed as described in the field note record of the dependent resurvey of the S. bdy., T. 7 S., R. 19 W., executed concurrently under this same group.</p> <hr style="width: 60%; margin: 10px auto;"/>															

Dependent Resurvey of a Portion of the North Boundary,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>N. 89°58' W., bet. secs. 5 and 32.</p>
	<p>Over rugged land with scattered cacti and palo verde.</p>
40.01	<p>The 1/4 sec. cor. of secs. 5 and 32, on the N. bdy. of the Tp., monumented with an iron pipe, 1 in. diam., firmly set, with brass cap mkd. and witnessed as described in the field note record of the dependent resurvey of the S. bdy., T. 7 S., R. 19 W., executed concurrently under this same group.</p>
	<hr/> <p>N. 89°56' W., beginning new measurement.</p>
10.82	<p>Point for AP 39, identical with AP 5, T. 7 S., R. 19 W., at intersection with the bdy. of the Muggins Mountains Wilderness Area.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</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 on a narrow rocky ridge, bears N. and S.</p>
40.02	<p>The cor. of secs. 5, 6, 31, and 32, monumented with an iron pipe, 3 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd. and witnessed as described in the field note record of the dependent resurvey of the S. bdy., T. 7 S., R. 19 W., executed concurrently under this same group.</p>
	<hr/> <p>N. 89°57' W., bet. secs. 6 and 31.</p>
	<p>Over rugged land with scattered cacti and palo verde.</p>
40.105	<p>The 1/4 sec. cor. of secs. 6 and 31, monumented with an iron pipe, 1 in. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd. and witnessed as described in the dependent resurvey of the S. bdy., T. 7 S., R. 20 W., executed concurrently under this same group.</p>

Dependent Resurvey of a Portion of the North Boundary,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>N. 89°54' W., beginning new measurement.</p>
35.68	<p>The cor. of secs. 1, 6, 31, and 36, identical with the cor. of tps. 7 and 8 S., Rgs. 19 and 20 W., monumented with an iron pipe, 3 ins. diam., firmly set, projecting 18 ins. above ground, with brass cap mkd. and witnessed as described in the field note record of the dependent resurvey of the S. bdy., T. 7 S., R. 20 W., executed concurrently under this same group.</p> <hr/> <p style="text-align: center;">Dependent Resurvey of a Portion of the Subdivisional Lines, T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p style="text-align: center;">Restoring the survey executed by Sydney Blout in 1912</p> <hr/> <p>From the cor. of secs. 19, 20, 29, and 30, monumented with an iron pipe, 2 ins. diam., firmly set, projecting 12 ins. above ground, with a mound of stone, 4 ft. base, 3 ft. high, to the W., with brass cap mkd., T8S R19W S20 S19 S30 S29 1912.</p> <p>Not remonumented.</p> <p>From this cor. point, U.S. Coast and Geodetic Survey triangulation station, "Adonde", with published latitude of 32°39'28.935" N. and longitude of 114°11'29.294" W., NAD27, bears S. 42°31 1/2' E., forward bearing, 367.05 chs. dist., monumented with a standard brass tablet, 3 ins. diam., set in a concrete cylinder, 6 ins. diam., firmly set, projecting 5 ins. above ground, with top mkd. ADONDE 1934 and a triangle.</p> <p>N. 89°56' W., bet. secs. 19 and 30.</p> <p>Over rolling, rocky land.</p>
2.50	<p>Top of ridge, bears NNE and SW.</p>
5.80	<p>Toe of ridge, E. edge of wash, drains SW.</p>
11.50	<p>Trail road, bears N. and S.</p>
17.30	<p>Toe of ridge, W. edge of wash, drains SW.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS													
22.72	<p>Point for AP 19, on the bdy. of the Muggins Mountains Wilderness Area.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table border="0"> <tr> <td>T8S</td> <td>R19W</td> </tr> <tr> <td>MMWA</td> <td>/</td> </tr> <tr> <td>AP19</td> <td>S19</td> </tr> <tr> <td colspan="2"><hr/></td> </tr> <tr> <td colspan="2">S30</td> </tr> <tr> <td colspan="2">1991</td> </tr> </table> </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 the W. bank of a wash, drains SW, and 30 lks. N. of a trail road, 20 lks. wide, bears E. and W.</p>	T8S	R19W	MMWA	/	AP19	S19	<hr/>		S30		1991	
T8S	R19W												
MMWA	/												
AP19	S19												
<hr/>													
S30													
1991													
40.15	<p>The 1/4 sec. cor. of secs. 19 and 30, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above ground, with a mound of stone, 3 ft. base, 2 ft. high, to the N., with brass cap mkd., S19 1/4 S30 1912.</p> <p>Not remonumented.</p> <p>Cor. is located 15 lks. W. of the toe of an E. slope, bears N. and S.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89°56' W., beginning new measurement.</p> <p>Along rolling hills and flat agricultural land.</p>												
19.86	<p>The W 1/16 sec. cor. of secs. 19 and 30, established by Thomas Yowell, R.L.S. No. 6022, monumented with an open end pipe, 1 in. diam., 18 ins. long, firmly set, 12 ins. below ground, with an affixed washer stamped LS 6022, with a rebar, 1 in. diam., firmly set alongside, 20 ins. below ground, with partially legible Bureau of Reclamation brass cap lying alongside. This is accepted as a careful and faithful establishment of the cor. position.</p> <p>At the cor. point,</p>												

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 35 ins. in the ground, over the 1 in. diam. rebar, with brass cap mkd.</p> <p style="text-align: center;">T8S R19W S19 W 1/16 — S30 1991</p> <p>from which.</p> <p>A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 27 ins. in the ground, for a reference monument, bears S. 48 1/2° E., 79.5 ft. dist., with brass cap mkd. RM T8S R19W S30 79.5 FT TO COR 1991, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 27 ins. in the ground, for a reference monument, bears S. 36° W., 57.6 ft. dist., with brass cap mkd. RM T8S R19W S30 57.6 FT TO COR 1991, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</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>Deposit 1 in. diam. open end pipe ,inverted, inside the stainless steel post.</p> <p>Bury the B.O.R. brass cap alongside the stainless steel post.</p> <p>Cor. is located in the center of 8th Street, a gravel road, 60 lks. wide, bears E. and W.</p> <hr/> <p>N. 89°56' W., beginning new measurement.</p> <p>Along the center of 8th Street.</p> <p>16.15 The cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the Tp., hereinbefore described.</p> <hr/>

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>From the cor. of secs. 19, 20, 29, and 30.</p> <p>N. 0°03' W., bet. secs. 19 and 20.</p> <p>Along rolling, rocky land, through scattered palo verde, cacti, and ironwood.</p> <p>40.00 Point for 1/4 sec. cor. of secs. 19 and 20, at proportionate dist.; there is no remaining evidence of the original cor. position.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T8S R19W 1/4 S19   S20 1991</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 the N. side of a spur, bears E. and W.</p> <p>46.30 E. bank of ravine, drains SW.</p> <p>53.10 W. bank of ravine, drains SW, asc. over SE slope.</p> <p>54.65 Point for AP 23, at intersection with the bdy. of Muggins Mountains Wilderness Area.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 8 ins. in the ground, to bedrock, in a mound of stone and concrete, 3 ft. base to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T8S R19W MMWA AP23 S19   S20 1991</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>
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Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>Cor. is located on top of spur, 30 ft. wide, bears N. and S.</p> <p>73.00 Top of bluff, bears SE and NW, desc. over N. slope.</p> <p>80.00 Point for cor. of secs. 17, 18, 19 and 20, determined by three point control; there is no remaining evidence of the original witness cor.</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, in a drill hole, cemented in place, in a sandstone outcrop, 15 ft. x 5 ft. x 2 ft., with cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin: auto;"> <tr> <td style="padding: 0 5px;">T8S</td> <td style="padding: 0 5px;">R19W</td> </tr> <tr> <td style="padding: 0 5px;">S18</td> <td style="padding: 0 5px;">S17</td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black; height: 10px;"></td> <td style="border-left: 1px solid black; border-right: 1px solid black; height: 10px;"></td> </tr> <tr> <td style="padding: 0 5px;">S19</td> <td style="padding: 0 5px;">S20</td> </tr> <tr> <td colspan="2" style="padding: 0 5px;">1991</td> </tr> </table> </div> <p>from which</p> <p style="margin-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, for a reference monument, bears S. 50° E., 88.7 ft. dist., with brass cap mkd. RM T8S R19W S20 88.7 FT TO COR 1991, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p style="margin-left: 40px;">A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears S. 52° W., 19.1 ft. dist., with brass cap mkd. RM T8S R19W S19 19.1 FT TO COR 1991, and an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the brass tablet and in cement.</p> <p>Cor. is located at the W. edge of a wash, drains NNE.</p> <p>From this cor. point, a cor. of mining claim Prospector 3, monumented with a wooden post, 48 x 4 x 4 ins., set in a mound of stone, 3 ft. base, 2 ft. high, bears S. 6 1/2° W., 56 lks. dist.</p> <p style="margin-left: 40px;">A mining claim location notice is located in a glass jar in the mound of stone.</p> <hr style="width: 60%; margin-left: 40px;"/>	T8S	R19W	S18	S17			S19	S20	1991	
T8S	R19W										
S18	S17										
S19	S20										
1991											

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the 1/4 sec. cor. of secs. 17 and 20, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above ground, with a mound of stone, 3 ft. base, 2 ft. high, to the W., with brass cap mkd., S17 1/4 S20 1912.</p>
	<p>Not remonumented.</p>
	<p>Cor. is located on a NW slope.</p>
	<p>N. 89°59' W., bet. secs. 17 and 20.</p>
	<p>Along mountainous, rocky land.</p>
16.10	<p>Trail road, 15 lks. wide, bears NE and SW, at the center of a wash, 150 lks. wide, drains SW.</p>
19.45	<p>Point for AP 26, of the bdy. of Muggins Mountains Wilderness Area.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p>
	<div style="text-align: center;"> <p>T8S R19W</p> <p>AP26 / S17</p> <hr style="width: 50%; margin: 0 auto;"/> <p>MMWA / S20</p> <p>1991</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 30 lks. W. of the W. bank of a wash, drains SW.</p>
40.21	<p>The cor. of secs. 17, 18, 19 and 20.</p>
	<hr style="border: 0.5px solid black;"/> <p>N. 89°55' W., bet. secs. 18 and 19.</p>
	<p>Along mountainous, rocky land.</p>
22.50	<p>Ridge, bears N. and S.</p>
40.07	<p>The 1/4 sec. cor. of secs. 18 and 19, monumented with an iron post, 1 in. diam., firmly set, projecting 14 ins. above ground, with a mound of stone, 3 ft. base, 2 ft. high, to the N., with brass cap mkd., S18 1/4 S19 1912.</p>
	<p>Not remonumented.</p>

Subdivision of Section 19, T. 8 S., R. 19 W.,  
Gila and Salt River Meridian, Arizona

CHAINS	N. 89°59' W., beginning new measurement.
35.97	The cor. of secs. 13, 18, 19 and 24 on the W. bdy. of the tp., hereinbefore described.
<hr/> Subdivision of Section 19, T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona	
	From the 1/4 sec. cor. of secs. 19 and 30.
	North, on the N. and S. center line of sec. 19.
	Along mountainous, rocky land.
20.00	Point for the center S. 1/16 sec. cor. of sec. 19.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.
	T8S R19W C S1/16   S19 C 1991
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	Cor. is located at the S. edge of a wash, 20 lks. wide, drains W.
21.40	Ridge, bears E. and W.
22.40	Wash, 30 lks. wide, drains WSW.
24.50	Ridge, bears ESE and NW.
40.00	Point for the center 1/4 sec. cor. of sec. 19, at the intersection with the E. and W. center line of sec. 19.

Subdivision of Section 19, T. 8 S., R. 19 W.,  
Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, in a drill hole, cemented in place, in a rock outcrop, 20 ft. x 6 ft. x 4 ft., with cap mkd.</p>
	<p style="text-align: center;">T8S R19W C1/4 S19 1991</p>
	<p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the brass tablet and in cement.</p>
	<p>Cor. is located on a N. slope.</p>
	<p>From this cor. point, a brass tablet, 3 1/2 ins. diam., firmly set flush with a rock outcrop, mkd. Corp. of Engineers C S19 T8S R19W 1956, bears N. 78 1/4° E., 10 lks. dist. This position was established using improper procedures and is not utilized in the course of this survey.</p>
43.20	<p>Wash, 30 lks. wide, drains SW.</p>
47.90	<p>Ridge, bears NE and SW.</p>
67.00	<p>Ridge, bears ENE and WSW.</p>
80.02	<p>The 1/4 sec. cor. of secs. 18 and 19.</p>
	<hr/> <p>From the 1/4 sec. cor. of secs. 19 and 20.</p>
	<p>N. 89°57' W., on the E. and W. center line of sec. 19.</p>
	<p>Along mountainous, rocky land.</p>
12.61	<p>Point for AP 21, of the bdy. of Muggins Mountains Wilderness Area.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T8S R19W AP21 C ——— C MMWA / S19 1991</p>

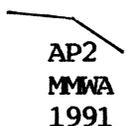
Subdivision of Section 19, T. 8 S., R. 19 W.,  
Gila and Salt River Meridian, Arizona

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 at the base of a spur and the S. edge of a wash, 50 lks. wide, drains SE.</p>
17.10	<p>Ridge, bears NNE and SSW.</p>
40.11	<p>The center 1/4 sec. cor. of sec. 19.</p>
46.20	<p>W. edge of wash, drains SW.</p>
49.50	<p>Ridge, bears N. and S.</p>
52.60	<p>Wash, 50 lks. wide, drains S.</p>
60.02	<p>Point for the center W. 1/16 sec. cor of sec. 19.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T8S R19W W1/16 C-----C S19 1991</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 on the W. slope of a ridge, bears NE and SW.</p>
66.40	<p>Wash, 50 lks. wide, drains WSW.</p>
72.59	<p>Ridge, bears NNE and SSW.</p>
76.10	<p>The 1/4 sec. cor. of secs. 19 and 24, on the W. bdy. of the Tp., hereinbefore described.</p>
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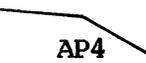
Subdivision of Section 19, T. 8 S., R. 19 W.,  
 Gila and Salt River Meridian, Arizona

CHAINS	
	<p>The SW 1/4 of Section 19</p> <hr/>
	<p>From the W 1/16 sec. cor. of secs. 19 and 30.</p>
	<p>N. 0°04' W., on the N. and S. center line of the SW 1/4 of sec. 19.</p>
	<p>Along rolling land.</p>
15.30	<p>Dike, 15 lks. wide, bears ESE and WNW.</p>
20.00	<p>Point for the SW 1/16 sec. cor of sec. 19, at the intersection with the E. and W. center line of the SW 1/4 of sec. 19.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p>
	<p>T8S R19W          SW 1/16 S19          1991</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 at the W. edge of a wash, 10 chs. wide, drains SW.</p>
	<p>From this cor. point, an open end pipe, 1 in. diam., firmly set by Thomas Yowell, R.L.S. NO. 6022, projecting 2 ins. above ground, with an affixed washer stamped RLS 6022, bears N. 2° W., 5 lks. dist. This was established using improper procedures and is not utilized in the course of this survey.</p>
40.00	<p>The center W. 1/16 sec. cor. of sec. 19.</p> <hr/>
	<p>From the center S. 1/16 sec. cor. of sec. 19.</p>
	<p>N. 89°56' W., on the E. and W. center line of the SW 1/4 of sec. 19.</p>
	<p>Along rolling land.</p>
19.89	<p>The SW 1/16 sec. cor. of sec. 19.</p>
36.00	<p>The S. 1/16 sec. cor. of secs. 19 and 24, on the W. bdy. of the Tp., hereinbefore described.</p> <hr/>

Metes-and-Bounds Survey of the Boundary of  
Muggins Mountains Wilderness Area,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>From AP 1, identical with AP 16, T. 8 S., R. 20 W., on the line bet. sec. 7 and sec. 12, on the W. bdy. of the Tp., hereinbefore described.</p> <p>From this cor. point, the cor. of secs. 7, 12, 13 and 18, on the W. bdy. of the Tp., bears S. 0°04' W., 9.41 chs. dist., hereinbefore described.</p> <p>S. 86°03' E., on line bet. AP1 and AP2.</p>
3.13	<p>Point for AP 2.</p> <p>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, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T8S R19W</p>  <p>AP2 MWA 1991</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: 30%; margin: 10px auto;"/>
6.54	<p>S. 74°01' E., on line bet. AP2 and AP3.</p> <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, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T8S R19W</p> <p>AP3 MWA 1991</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: 30%; margin: 10px auto;"/> <p>N. 83°59' E., on line bet. AP3 and AP4.</p>

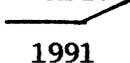
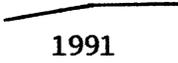
Metes-and-Bounds Survey of the Boundary of  
Muggins Mountains Wilderness Area (MMWA),  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p> <p>4.55</p> <p>7.08</p> <p>2.71</p>	<p>Point for AP 4.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T8S R19W  AP4 MMWA 1991</p> <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>N. 86°31' E., on line bet. AP4 and AP5.</p> <p>Point for AP 5.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T8S R19W  AP5 MMWA 1991</p> <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. 71°35' E., on line bet. AP5 and AP6.</p> <p>Point for AP 6.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T8S R19W  AP6 MMWA 1991</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <hr/>
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Metes-and-Bounds Survey of the Boundary of  
Miggins Mountains Wilderness Area,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p> <p>8.16</p> <p>7.14</p> <p>1.95</p>	<p>N. 78°17' E., on line bet. AP 6 and AP 7.</p> <p>Point for AP 7.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T8S R19W    AP7  MMWA  1991</p> <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>East, on line bet. AP 7 and AP 8.</p> <p>Point for AP 8.</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, in a drill hole, cemented in place, in rock outcrop, 35 x 25 x 4 ft., with cap mkd.</p> <p style="text-align: center;">T8S R19W    MMWA  AP8  1991</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the brass tablet.</p> <hr/> <p>N. 18°20' W., on line bet. AP 8 and AP 9.</p> <p>Point for AP 9.</p>
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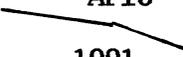
Metes-and-Bounds Survey of the Boundary of  
Muggins Mountains Wilderness Area,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T8S R19W MMWA AP9</p>  <p>1991</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: 30%; margin: auto;"/> <p>S. 64°58' W., on line bet. AP 9 and AP 10.</p>
2.14	<p>Point for AP 10.</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, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T8S R19W MMWA AP10</p>  <p>1991</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: 30%; margin: auto;"/> <p>N. 89°50' W., on line bet. AP 10 and AP 11.</p>
4.69	<p>Point for AP 11.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T8S R19W MMWA AP11</p>  <p>1991</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: 30%; margin: auto;"/>

Metes-and-Bounds Survey of the Boundary of  
Muggins Mountains Wilderness Area,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p> <p>4.01</p> <p>5.61</p> <p>3.23</p>	<p>S. 77°20' W., on line bet. AP 11 and AP 12.</p> <p>Point for AP 12.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T8S R19W MWA AP12  1991</p> <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>N. 86°33' W., on line bet. AP 12 and AP 13.</p> <p>Point for AP 13.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T8S R19W MWA AP13  1991</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>Set a steel fence post near the cor.</p> <hr/> <p>N. 68°33' W., on line bet. AP 13 and AP 14.</p> <p>Point for AP 14.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p>
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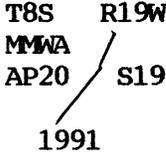
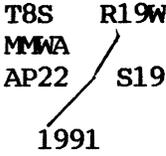
Metes-and-Bounds Survey of the Boundary of  
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T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T8S R19W MWA AP14</p>  <p>1991</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>Set a steel fence post near the cor.</p> <hr/> <p>S. 67°30' W., on line bet. AP 14 and AP 15.</p>
<p>4.85</p>	<p>Point for AP 15.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T8S R19W MWA AP15</p>  <p>1991</p> <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>N. 80°10' W., on line bet. AP 15 and AP 16.</p>
<p>6.33</p>	<p>Point for AP 16.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T8S R19W MWA AP16</p>  <p>1991</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <hr/>

Metes-and-Bounds Survey of the Boundary of  
 Muggins Mountains Wilderness Area,  
 T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	N. 83°03' W., on line bet. AP 16 and AP 17.
8.29	<p>AP 17, identical with AP 17, T 8 S., R 20 W., on the line bet. sec. 7 and sec. 12, on the W. bdy. of the Tp., hereinbefore described.</p> <p>From this cor. point, the 1/4 sec. cor. of secs. 7 and 12, on the W. bdy. of the Tp., bears N. 0°04' E., 29.12 chs. dist., hereinbefore described.</p> <hr/> <p style="text-align: center;">In Sec. 19</p> <hr/> <p>From AP 18, on the W. bdy. of the tp., hereinbefore described.</p> <p>S. 82°08' E., on the line between AP 18 and the SW 1/16 sec. cor. of sec. 19.</p>
16.27	<p>The SW 1/16 sec. cor. of sec. 19., hereinbefore described.</p> <hr/> <p>From the SW 1/16 sec. cor. of sec. 19.</p> <p>N. 0°04' W., on the N 1/2 of the N. and S. center line of the SW 1/4 of sec. 19.</p>
20.00	<p>The C-W 1/16 sec. cor. of sec. 19, hereinbefore described.</p> <hr/> <p>S. 89°57' E., on a portion of the E. and W. center line of sec. 19.</p>
19.91	<p>The C 1/4 sec. cor. of sec. 19, hereinbefore described.</p> <hr/> <p>South, on the S 1/2 of the N. and S. center line of sec. 19.</p>
40.00	<p>The 1/4 sec. cor. of secs. 19 and 30., hereinbefore described.</p> <hr/> <p>S. 89°56' E., on a portion of the line between secs. 19 and 30.</p>
17.43	<p>AP 19., hereinbefore described.</p> <hr/>

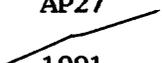
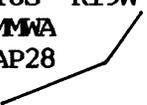
Metes-and-Bounds Survey of the Boundary of  
Muggins Mountains Wilderness Area,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>N. 15°15' E., on line bet. AP 19 and AP 20.</p>
29.90	<p>Point for AP 20.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;">  <p>T8S R19W MWA AP20 S19 1991</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 top of spur and 15 lks. W. of the edge of a wash, 75 ft. deep, drains SSW.</p> <hr style="width: 30%; margin: 10px auto;"/>
11.36	<p>N. 11°12' E., on line bet. AP 20 and AP 21.</p> <p>AP 21, at the intersection with the E. and W. center line of sec. 19, hereinbefore described.</p> <hr style="width: 30%; margin: 10px auto;"/>
11.58	<p>N. 58°15' E., on line bet. AP 21 and AP 22.</p> <p>Point for AP 22.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;">  <p>T8S R19W MWA AP22 S19 1991</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 17 lks. E. of the top of a spur, bears N. and SW.</p> <hr style="width: 30%; margin: 10px auto;"/>

Metes-and-Bounds Survey of the Boundary of  
 Miggins Mountains Wilderness Area,  
 T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>N. 17°50' E., on line bet. AP 22 and AP 23.</p>
8.97	<p>The cor., AP 23, at the intersection with the line bet. secs. 19 and 20, hereinbefore described.</p> <hr/> <p style="text-align: center;">In Section 20</p> <hr/> <p>N. 24°57' E., on line bet. AP 23 and AP 24.</p>
15.95	<p>Point for AP 24.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T8S R19W MMWA AP24 S20 1991</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 50 lks. W. of a wash, drains SSW, and on a gradual E. facing slope.</p> <hr/> <p>N. 79°23' E., on line bet. AP 24 and AP 25.</p>
7.16	<p>Point for AP 25.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T8S R19W MMWA AP25 S20 1991</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 the S. side of a spur, bears ESE and WNW.</p> <hr/>

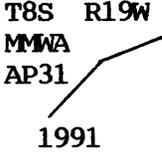
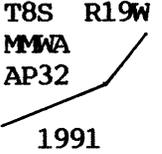
Metes-and-Bounds Survey of the Boundary of  
Miggins Mountains Wilderness Area,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>N. 36°04' E., on line bet. AP 25 and AP 26.</p>
11.83	<p>AP 26, at the intersection with the line bet. secs. 17 and 20, hereinbefore described.</p> <hr/> <p style="text-align: center;">In the Unsurveyed Portion of the Township</p> <hr/> <p>N. 49°04' E., on line bet. AP 26 and AP 27.</p>
34.15	<p>Point for AP 27.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T8S R19W MWA AP27</p>  <p>1991</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 gradual S. facing slope, and on the N. side of a wash.</p> <hr/> <p>N. 72°25' E., on line bet. AP 27 and AP 28.</p>
19.91	<p>Point for AP 28.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 16 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T8S R19W MWA AP28</p>  <p>1991</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>

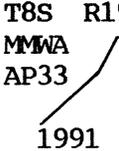
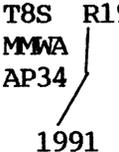
Metes-and-Bounds Survey of the Boundary of  
Muggins Mountains Wilderness Area,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Cor. is located on the top of a spur, bears SSE and NW, and 3.5 chs. N. of wash, 1.5 chs. wide, drains W.</p> <p>From this cor. point, U.S. Geological Survey triangulation station, "SNAKE", with published latitude of 32°43'49.833" N. and longitude of 114°13'45.194" W., NAD27, bears N. 17°38' E., 21.56 chs. dist., monumented with a standard brass tablet, 3 3/4 ins. diam., cemented flush with rock surface, with top mkd., SNAKE U.S.C.&amp; G.S. 1934 and a triangle.</p> <hr/> <p>N. 50°21' E., on line bet. AP 28 and AP 29.</p>
<p>30.30</p>	<p>Point for AP 29.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div data-bbox="857 856 1003 1012" style="text-align: center;"> <p>T8S R19W MMWA AP29</p> <p>1991</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 spur, bears SSE and NNW, and 40 ft. above the bottom of washes to the E., W. and S.</p> <hr/> <p>N. 5°54' W., on line bet. AP 29 and AP 30.</p>
<p>36.71</p>	<p>Point for AP 30.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, encircled with a collar of stone, 2 ft. base, to top, with brass cap mkd.</p> <div data-bbox="857 1528 1003 1684" style="text-align: center;"> <p>T8S R19W MMWA AP30</p> <p>1991</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 small spur, between two washes.</p> <hr/>

Metes-and-Bounds Survey of the Boundary of  
Muggins Mountains Wilderness Area (MMWA),  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p> <p>27.23</p> <p>43.45</p>	<p>N. 24°56' E., on line bet. AP 30 and AP 31.</p> <p>Point for AP 31.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T8S R19W MMWA AP31</p>  <p>1991</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 30 lks. W. of the NW edge of wash, 20 ft. deep, drains SSW.</p> <p>From this cor. point, U.S. Geological Survey triangulation station, "SNAKE", bears S. 22°13' W., 64.80 chs. dist., hereinbefore described.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>N. 72°59' E., on line bet. AP 31 and AP 32.</p> <p>Point for AP 32.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T8S R19W MMWA AP32</p>  <p>1991</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 flat terrace, 38 lks. N. of base of hill, bears NE and SW, and 135 lks. S. of edge of wash, 15 ft. deep, drains SW.</p> <hr style="width: 30%; margin: 10px auto;"/>
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Metes-and-Bounds Survey of the Boundary of  
Muggins Mountains Wilderness Area,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
36.84	<p>N. 54°40' E., on line bet. AP 32 and AP 33.</p> <p>Point for AP 33.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T8S R19W MMWA AP33</p>  <p>1991</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 moderate slope and on the E. side of wash.</p> <hr style="width: 20%; margin: 10px auto;"/>
26.87	<p>N. 9°24' E., on line bet. AP 33 and AP 34.</p> <p>Point for AP 34.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T8S R19W MMWA AP34</p>  <p>1991</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 top of a spur, bears N. and S.</p> <hr style="width: 20%; margin: 10px auto;"/>
15.67	<p>N. 0°59' E., on line bet. AP 34 and AP 35.</p> <p>Point for AP 35.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p>

Metes-and-Bounds Survey of the Boundary of  
 Miggins Mountains Wilderness Area,  
 T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<div style="text-align: center;"> <p>T8S R19W                      MWA                      AP35                      1991</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 top of a spur, bears S. and NW.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 10°13' W., on line bet. AP 35 and AP 36.</p>
<p>27.25</p>	<p>Point for AP 36.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T8S R19W                      MWA                      AP36                      1991</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 30 lks. W. of the top of a spur, bears N., SE and WSW.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 2°18' E., on line bet. AP 36 and AP 37.</p>
<p>27.92</p>	<p>AP 37, identical with AP 1, T. 7 S., R. 19 W., on the line bet. secs. 3 and 34, on the N. bdy. of the Tp., hereinbefore described.</p> <p>From this cor. point, the cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the Tp., bears N. 89°54' W., 8.99 chs. dist., hereinbefore described.</p> <hr style="width: 80%; margin: auto;"/>

Metes-and-Bounds Survey of the Boundary of  
Muggins Mountains Wilderness Area,  
T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	<p>From AP 39, on the line bet. secs. 5 and 32, on the N. bdy. of the Tp., identical with AP 5, T. 7 S., R. 19 W., hereinbefore described.</p> <p>From this cor. point, the 1/4 sec. cor. of secs. 5 and 32, bears S. 89°56' E., 10.82 chs. dist., hereinbefore described.</p> <p>S. 6°41' W., on line bet. AP 39 and AP 40.</p>
13.33	<p>Point for AP 40.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T8S R19W</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 top of a spur, bears SSE and WNW.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>N. 64°22' W., on line bet. AP 40 and the cor. of secs. 5, 6, 31, and 32, on the N. bdy. of the Tp.</p>
30.68	<p>The cor. of secs. 5, 6, 31, and 32, on the N. bdy. of the Tp., hereinbefore described.</p> <hr style="border: 0.5px solid black; margin: 10px 0;"/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr style="border: 0.5px solid black; margin: 10px 0;"/> <p>The area resurveyed and surveyed within T. 8 S., R. 19 W., Gila and Salt River Meridian, is located approximately 20 miles East of Yuma, Arizona and 3 miles North of Interstate Highway 40. The terrain consists of agricultural land in the southern portion, washes and rugged hills in the northern portion. Vegetation consists of palo verde, saguaro cactus and creosote undergrowth. The soil varies from sandy loam to desert pavement.</p> <p>There is extensive mining activity in the area.</p>

T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	<p style="text-align: center;">DESCRIPTION OF MUGGINS MOUNTAINS WILDERNESS AREA BOUNDARY, IN T. 8 S., R. 19 W., GILA AND SALT RIVER MERIDIAN, ARIZONA</p> <hr/> <p>The following description is for informational purposes only.</p> <hr/> <p>Beginning at Angle Point 1, on the W. bdy. of the township, identical with Angle Point 16, T. 8 S., R. 20 W.;</p> <p>thence S. 86°03' E., 3.13 chains distance to Angle Point 2;  thence S. 74°01' E., 6.54 chains distance to Angle Point 3;  thence N. 83°59' E., 4.55 chains distance to Angle Point 4;  thence N. 86°31' E., 7.08 chains distance to Angle Point 5;  thence S. 71°35' E., 2.71 chains distance to Angle Point 6;  thence N. 78°17' E., 8.16 chains distance to Angle Point 7;  thence S. 90°00' E., 7.14 chains distance to Angle Point 8;  thence N. 18°20' W., 1.95 chains distance to Angle Point 9;  thence S. 64°58' W., 2.14 chains distance to Angle Point 10;  thence N. 89°50' W., 4.69 chains distance to Angle Point 11;  thence S. 77°20' W., 4.01 chains distance to Angle Point 12;  thence N. 86°33' W., 5.61 chains distance to Angle Point 13;  thence N. 68°33' W., 3.23 chains distance to Angle Point 14;  thence S. 67°30' W., 4.85 chains distance to Angle Point 15;  thence N. 80°10' W., 6.33 chains distance to Angle Point 16;  thence N. 83°03' E., 8.29 chains distance to Angle Point 17, on  the W. bdy. of the township, identical with Angle Point 17,  T. 8 S., R. 20 W.;</p> <p>From Angle Point 18, on the W. bdy. of the township;</p> <p>thence S. 82°08' E., 16.27 chains distance to the Southwest 1/16  section corner of section 19;  thence on the North and South centerline of the Southwest  quarter of section 19, N. 0°04' W., 20.00 chains distance to  the center West 1/16 section corner of section 19;  thence on the East and West centerline of section 19,  S. 89°57' E., 19.91 chains distance to the center 1/4  section corner of section 19;  thence on the North and South centerline of section 19, South,  40.00 chains distance, to the 1/4 section corner of sections  19 and 30;  thence on the line between sections 19 and 30, S. 89°56'E.,  17.43 chains distance, to Angle Point 19;</p>
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## T. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>thence N. 15°15' E., 29.90 chains distance to Angle Point 20; thence N. 11°12' E., 11.36 chains distance to Angle Point 21; thence N. 58°15' E., 11.58 chains distance to Angle Point 22; thence N. 17°50' E., 8.97 chains distance to Angle Point 23; thence N. 24°57' E., 15.95 chains distance to Angle Point 24; thence N. 79°23' E., 7.16 chains distance to Angle Point 25; thence N. 36°04' E., 11.83 chains distance to Angle Point 26; thence N. 49°04' E., 34.15 chains distance to Angle Point 27; thence N. 72°25' E., 19.91 chains distance to Angle Point 28; thence N. 50°21' E., 30.30 chains distance to Angle Point 29; thence N. 5°54' W., 36.71 chains distance to Angle Point 30; thence N. 24°56' E., 27.23 chains distance to Angle Point 31; thence N. 72°59' E., 43.45 chains distance to Angle Point 32; thence N. 54°40' E., 36.84 chains distance to Angle Point 33; thence N. 9°24' E., 26.87 chains distance to Angle Point 34; thence N. 0°59' E., 15.67 chains distance to Angle Point 35; thence N. 10°13' W., 27.25 chains distance to Angle Point 36; thence N. 2°18' E., 27.92 chains distance to Angle Point 37, on the N. bdy. of the township, identical with Angle Point 1, T. 7 S., R. 19 W.;</p> <p>thence from Angle Point 39, on the N. bdy. of the township, identical with Angle Point 7, T. 7 S., R. 19 W.;</p> <p>thence S. 6°41' W., 13.33 chains distance to Angle Point 40; thence N. 64°22' W., 30.68 chains distance to the corner of sections 5, 6, 31 and 32 on the N. bdy. of the tp.</p> <p>thence N. 89°57' W., on the line between sections 31 and 6 on the N. bdy. of the township, 40.105 chs. distance to the 1/4 sec. cor. of sections 6 and 31;</p> <p>thence N. 89°54' W., on the line between sections 6 and 31 on the N. bdy. of the tp., 35.68 chains distance, to the corner of sections 1, 6, 31 and 36, Tps. 7 and 8 S., Rs. 19 and 20 W.</p>

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Cheryl A Baier	Surveying Technician
Gordon R. Bubel	"
Ted E. Carzier	"
Rebecca N. Ramirez	"
Steven V. Buchanan	"
Scott Peronto	Student Trainee

CERTIFICATE OF SURVEY

We, Stephen K. Hansen and Robin T. Mathews, Cadastral Surveyors, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 12th day of March, 1991, and Amended Special Instructions bearing date of the 18th day of April, 1991, We have dependently resurveyed a portion of the West and North boundaries, a portion of the subdivisional lines, the subdivision of section 19, and a metes and bounds survey of the Muggins Mountains Wilderness Area Boundary in Township 8 South, Range 19 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 us and under 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.

04/08/92

(Date)

*Stephen K Hansen*

(Cadastral Surveyor)

03/05/92

(Date)

*Rob. T. Mathews*

(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 West and North boundaries, a portion of the subdivisional lines, the subdivision of section 19, and a metes and bounds survey of the Muggins Mountains Wilderness Area Boundary in Township 8 South, Range 19 West, Gila and Salt River Meridian, Arizona, executed by Stephen K. Hansen and Robin T. Mathews, Cadastral Surveyors, having been critically examined and found correct, are hereby approved.

APR 10 1992

(Date)

*James P. Kelley*

(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. 8 S., R. 19 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

(Date)

(Chief Cadastral Surveyor of Arizona)