

**ORIGINAL**

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FIELD NOTES  
OF THE  
DEPENDENT RESURVEY OF  
A PORTION OF THE FOURTH STANDARD PARALLEL NORTH (NORTH BOUNDARY)  
A PORTION OF THE SOUTH AND EAST BOUNDARIES  
A PORTION OF THE SUBDIVISIONAL LINES  
AND  
THE METES-AND-BOUNDS SURVEY OF  
THE WARM SPRINGS WILDERNESS AREA BOUNDARY  
**TOWNSHIP 16 1/2 NORTH, RANGE 19 WEST,**  
OF THE GILA AND SALT RIVER MERIDIAN,  
IN THE STATE OF ARIZONA.

**EXECUTED BY**

**W. William Foster, Cadastral Surveyor**

Under Special Instructions dated March 31, 2004, approved March 31, 2004, which provided for the surveys included under Group No. 933, and assignment instructions dated March 31, 2004.

**Survey commenced September 8, 2004**

**Survey completed October 14, 2004**

**INDEX DIAGRAM**

TOWNSHIP 16 1/2 NORTH RANGE 19 WEST  
 GILA AND SALT RIVER MERIDIAN, ARIZONA

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Metes-and-Bounds Survey of the Warm Springs Wilderness Area  
 Boundary in Sections 20 and 32 ..... Pages 17-33

**T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

## CHAINS

The following field notes describe the dependent resurvey of a portion of the Fourth Standard Parallel North (north boundary), a portion of the south and east boundaries, a portion of the subdivisional lines and the metes-and-bounds survey of the Warm Springs Wilderness Area Boundary, Township 16 1/2 North, Range 19 West, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey is as follows:

Albert Smith Jr. and Ray D. Armstrong surveyed the east, south and west boundaries and the subdivisional lines in 1916. William B. Alexander surveyed a portion of the Fourth Standard Parallel North (north boundary) in 1910. John J. Fisher surveyed a portion of the Fourth Standard Parallel North (north boundary) in 1905.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated March 31, 2004, for Group No. 933, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Topcon Hyper Plus model receivers.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from a tie to "A" order United States Geological Survey triangulation station "B-391 1961", as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of the corner of sections 2, 3, 34 and 35, on the south boundary of the township, is as follows:

Latitude: 34°45'50.16" N.                      Longitude: 114°13'44.43" W.

The mean magnetic declination is 12 3/4° E.

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**Dependent Resurvey of a Portion of the  
Fourth Standard Parallel North (North Boundary),  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS

Restoring the survey executed by  
John J. Fisher, in 1905

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Beginning at the stan. cor. of secs. 35 and 36, T. 17 N., R. 19 W., monumented with a stone, 16 X 9 X 5 ins., firmly set, projecting 12 ins. above the ground, with SC scribed on N. face and 5 grooves on E. face and 1 groove on W. face.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, in a collar of stone, with brass cap mkd.

SC  
T 17 N R 19 W  
S 35 | S 36

2004

Deposit a magnet in a white plastic case at the base of the stainless steel post and bury the orig. stone alongside the stainless steel post.

Build an accessory mound of stone, 3 ft. base, 1 1/2 ft. high, N. of cor.

S. 89°59' W., on the S. bdy. of sec. 35.

Over mountainous broken land, through scattered bunch grass.

5.85 The closing cor. of secs. 20 and 21, monumented with an iron post, 2 ins. diam., firmly set, projecting 13 ins. above the ground, in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd. S35 T16 1/2 N R19 W CC S20 S21 1916.

Add the marks 2004 to the brass cap.

21.75 Point for AP 16, sec. 20, hereinafter described.

23.28 Graded road, 12 ft. wide, bears S. 12° E. and N. 12° W.

24.81 Point for AP 15, sec. 20, hereinafter described.

39.86 The stan. 1/4 sec. cor. of sec. 35, monumented with a stone, 24 X 10 X 6 ins., firmly set, projecting 5 ins. above the ground, with SC 1/4 scribed on N. face, with an accessory mound of stone, 3 ft. base, 2 ft. high, N. of cor.

At the corner point

**Dependent Resurvey of a Portion of the  
Fourth Standard Parallel North (North Boundary),  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 9 ins. in the ground, in a supporting mound of stone, 3 ft. base, to top, with brass cap mkd.

SC  
T 17 N R 19 W  
1/4 S 35

2004

Deposit a magnet in a white plastic case at the base of the stainless steel post and bury orig. stone alongside stainless steel post.

The accessory mound of stone was utilized in the supporting mound of stone.

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S. 89°54' W., beginning new measurement.

Over rolling land, through scattered bunch grass.

22.92 Point for AP 1, sec. 20, hereinafter described.

40.04 The stan. cor. of secs. 34 and 35, monumented with a stone, 26 X 8 X 5 ins., firmly set, projecting 10 ins. above the ground, with SC scribed on the N. face and 2 grooves on E. face and 4 grooves on W. face, with an accessory mound of stone, 3 ft. base, 2 ft. high, N. of cor.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

SC  
T 17 N R 19 W  
S 34 | S 35

2004

Deposit a magnet in a white plastic case at the base of the stainless steel post and bury orig. stone alongside the stainless steel post.

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**Dependent Resurvey of a Portion of the South Boundary,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

<p>CHAINS</p>	<p style="text-align: center;">Restoring the survey executed by Albert Smith Jr. and Ray D. Armstrong, in 1916</p> <hr style="width: 20%; margin: auto;"/> <p>From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., monumented with an iron post, 3 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd. T16 1/2N R19W S32 S33 S5 S4 T16N 1916, with an accessory mound of stone, 3 ft. base, 3 ft. high, W. of cor.</p> <p>Add the marks 2004 to the brass cap.</p> <p>N. 89°58' W., on the S. bdy. of sec. 32.</p> <p>Over rolling rocky land, through scattered creosote and cactus.</p> <p>12.21 Point for a witness point on line bet. secs. 5 and 32.</p> <p>Set an aluminum drive rod, 42 ins. long, 3/4 in. diam., 36 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">WP T 16 1/2 N R 19 W S 32</p> <hr style="width: 10%; margin: auto;"/> <p style="text-align: center;">S 5 T 16 N</p> <p style="text-align: center;">2004</p> <p>27.14 Point for a witness point on line bet. secs. 5 and 32.</p> <p>Set an aluminum drive rod, 42 ins. long, 3/4 in. diam., 36 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">WP T 16 1/2 N R 19 W S 32</p> <hr style="width: 10%; margin: auto;"/> <p style="text-align: center;">S 5 T 16 N</p> <p style="text-align: center;">2004</p> <p>37.92 Point for AP 9, sec. 32, hereinafter described.</p>
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**Dependent Resurvey of a Portion of the South Boundary,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS					
40.02	<p>The 1/4 sec. cor. of secs. 5 and 32, monumented with an iron post, 1 in. diam., firmly set, projecting 10 ins. above the ground, in a supporting mound of stone, 3 ft. base, 1 ft. high, with brass cap mkd. 1/4 S32 S5 1916, with an accessory mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.</p> <p>Add the marks T16 1/2N R19W T16N 2004 to the brass cap.</p>				
<hr/> <p><b>Dependent Resurvey of a Portion of the East Boundary, T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona</b></p> <hr/>					
<p>Restoring the survey executed by Albert Smith Jr. and Ray D. Armstrong, in 1916</p> <hr/>					
	<p>From the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the Tp., monumented with an iron post, 3 ins. diam., firmly set, projecting 19 ins. above the ground, in a mound of stone, 3 ft. base, 1 ft. high, with brass cap mkd. T16 1/2N R19W R18W S24 S19 S25 S30 1916, with an accessory mound of stone, 3 ft. base, 2 ft. high, W. of cor.</p> <p>Add the marks 2004 to the brass cap.</p> <p>N. 0°02' E., bet. secs. 19 and 24 on the E. bdy. of the Tp.</p> <p>Over broken rocky land, through scattered creosote bush and Cholla cactus.</p>				
6.55	<p>Point for a witness point on line bet. secs. 19 and 24.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 27 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>WP T 16 1/2 N</p> <table border="0" style="margin: auto;"> <tr> <td style="padding-right: 10px;">R 19 W</td> <td style="border-left: 1px solid black; padding-left: 10px;">R 18 W</td> </tr> <tr> <td style="padding-right: 10px;">S 24</td> <td style="border-left: 1px solid black; padding-left: 10px;">S 19</td> </tr> </table> <p>2004</p> </div>	R 19 W	R 18 W	S 24	S 19
R 19 W	R 18 W				
S 24	S 19				
32.32	<p>Point for a witness point on line bet. secs. 19 and 24.</p> <p>Set an aluminum drive rod, 6 ins. long, 3/4 in. diam., flush with the ground, with aluminum cap mkd.</p>				

Dependent Resurvey of a Portion of the East Boundary,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona

<p>CHAINS</p>	<p style="text-align: center;">WP T 16 1/2 N</p> <p style="text-align: center;">R 19 W   R 18 W S 24   S 19</p> <p style="text-align: center;">2004</p> <p>40.05 The 1/4 sec. cor. of secs. 19 and 24, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above a mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd. 1/4 S24 S19 1916 with an accessory mound of stone, 2 ft. base, 1 ft. high, W. of cor.</p> <p>Add the marks T16 1/2 N R18W R19W 2004 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°04' E., beginning new measurement.</p> <p>Over broken rocky land, through scattered creosote bush and Cholla cactus.</p> <p>14.34 Point for a witness point on line bet. secs. 19 and 24.</p> <p>Set an aluminum drive rod, 6 ins. long, 3/4 in. diam., flush with the ground, with aluminum cap mkd.</p> <p style="text-align: center;">WP T 16 1/2 N</p> <p style="text-align: center;">R 19 W   R 18 W S 24   S 19</p> <p style="text-align: center;">2004</p> <p>Raise a mound of stone, 2 1/2 ft. base, 2 ft. high, W. of cor.</p> <p>28.97 Point for a witness point on line bet. secs. 19 and 24.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 6 ins. in the ground, to bedrock, in a supporting mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <p style="text-align: center;">WP T 16 1/2 N</p> <p style="text-align: center;">R 19 W   R 18 W S 24   S 19</p> <p style="text-align: center;">2004</p>
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**Dependent Resurvey of a Portion of the East Boundary,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
43.39	<p>The closing cor. of T. 16 1/2 N., Rgs. 18 and 19 W., at intersection with the 4th stan. par. N.; monumented with an iron post, 3 ins. diam., set, mkd., and witnessed as described in the field notes of the dependent resurvey of a portion of the 4th stan. par. N., T. 16 1/2 N., R. 18 W., executed concurrently under this same group.</p> <hr/> <p style="text-align: center;"><b>Dependent Resurvey of a Portion of the Subdivisional Lines, T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p style="text-align: center;">Restoring the survey executed by Albert Smith Jr. and Ray D. Armstrong, in 1916</p> <hr/> <p>From the cor. of secs. 25, 26, 35 and 36, monumented with an iron post, 2 ins. diam., firmly set, projecting 22 ins. above a scattered mound of stone, 3 ft. base, with brass cap mkd. T16 1/2N R19W S26 S25 S36 S35 1916, with an accessory mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Brass cap is marked incorrectly.</p> <p>Remark brass cap to read T16 1/2N R19W S26 S25 S35 S36 1916.</p> <p>Add the marks 2004 to the brass cap.</p> <p>Rebuild supporting mound of stone, 4 ft. base, to top.</p> <p>N. 0°06' E., bet. secs. 25 and 26.</p> <p>Over broken, rocky land, through scattered creosote bush and Cholla cactus.</p>
40.06	<p>The 1/4 sec. cor. of secs. 25 and 26, monumented with an iron post, 1 in. diam., firmly set, projecting 31 ins. above the ground, in a scattered supporting mound of stone, with brass cap mkd. 1/4 S26 S25 1916, with an accessory mound of stone, 3 ft. base, 1 1/2 ft. high, W. of cor.</p> <p>Add the marks T16 1/2N R19W 2004 to the brass cap.</p> <p>Rebuild supporting mound of stone, 4 ft. base, to top.</p> <hr/> <p>N. 0°04' E., beginning new measurement.</p>
40.06	<p>The cor. of secs. 23, 24, 25 and 26, monumented with a stone, 18 X 6 x 6 ins., firmly set, projecting 10 ins. above the ground, mkd. with 1 groove on E. face and 2 grooves on S. face, with an accessory mound of stone, 3 ft. base, 1 1/2 ft. high, W. of cor. Not remonumented.</p> <hr/>

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

<p>CHAINS</p>	<p>From the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the Tp.</p> <p>N. 89°27' W., bet. secs. 24 and 25.</p> <p>Over level to rolling rocky land, gradual ascent, through creosote bush, ocotillo, Cholla and Barrel cactus.</p> <p>40.00 The 1/4 sec. cor. of secs. 24 and 25, monumented with an iron post, 1 in. diam., firmly set, in a supporting mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd. 1/4 S24 S25 1916.</p> <p>Add the marks T16 1/2N R19W 2004 to the brass cap.</p> <hr/> <p>S. 89°42' W., beginning new measurement.</p> <p>40.00 The cor. of secs. 23, 24, 25 and 26.</p> <hr/> <p>From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., monumented with an iron post, 3 ins. diam., firmly set, projecting 11 ins. above the ground, with brass cap mkd. T16 1/2 N R19W S3 S2 S34 S35 T16N 1916, with an accessory mound of stone, 4 ft. base, 2 ft. high, W. of cor. Brass cap is marked incorrectly.</p> <p>Remark brass cap to read T16 1/2N R19W S34 S35 S3 S2 T16N 1916.</p> <p>Add the marks 2004 to the brass cap.</p> <p>From this cor. point, U.S.C. &amp; G.S. triangulation station (bench mark) "B-391 1961", bears N. 62°09' E. (forward bearing), 309.54 chs. dist., a brass disc, 3 ins. diam., cemented in a rock outcrop, 8 X 3 ft., with top mkd. B391 + 1961.</p> <p>N. 0°01' W., bet. secs. 34 and 35.</p> <p>Over broken, rocky land, through scattered creosote bush.</p> <p>15.49 Point for a witness point on line bet. secs. 34 and 35.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 15 ins. in the ground, to bedrock, in a supporting mound of stone, 2 ft. base, to top, with aluminum cap mkd.</p>
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**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
27.25	<p style="text-align: center;">WP T 16 1/2 N R 19 W S 34   S 35 2004</p> <p>Point for a witness point on line bet. secs. 34 and 35.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 26 ins. in the ground, with aluminum cap mkd.</p>
39.94	<p style="text-align: center;">WP T 16 1/2 N R 19 W S 34   S 35 2004</p> <p>The 1/4 sec. cor. of secs. 34 and 35, monumented with an iron post, 1 in. diam., firmly set, projecting 7 ins. above the ground, with brass cap mkd. 1/4 S34 S35 1916, with an accessory mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.</p> <p>Add the marks T16 1/2N R19W 2004 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°01' E., beginning new measurement.</p> <p>Over broken, rocky land, through scattered creosote bush.</p>
12.17	<p>Point for a witness point on line bet. secs. 34 and 35.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 23 ins. in the ground, with aluminum cap mkd.</p>
30.28	<p style="text-align: center;">WP T 16 1/2 N R 19 W S 34   S 35 2004</p> <p>Point for a witness point on line bet. secs. 34 and 35.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 10 ins. in the ground, to bedrock, in a supporting mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
40.10	<p style="text-align: center;">WP T 16 1/2 N R 19 W S 34   S 35 2004</p> <p>The cor. of secs. 26, 27, 34 and 35, monumented with an iron post, 2 ins. diam., firmly set, projecting 11 ins. above the ground, with brass cap mkd. T16 1/2N R19W S27 S26 S34 S35 1916, with an accessory mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.</p> <p>Add the marks 2004 to the brass cap.</p> <hr/> <p>From the cor. of secs. 25, 26, 35 and 36.</p> <p>N. 89°59' W., bet. secs. 26 and 35.</p> <p>Over rugged broken rocky land, through scattered creosote bush.</p>
12.05	<p>Point for a witness point on line bet. secs. 26 and 35.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 22 ins. in the ground, with aluminum cap mkd.</p>
33.61	<p style="text-align: center;">WP T 16 1/2 N R 19 W S 26 ----- S 35 2004</p> <p>Point for a witness point on line bet. secs. 26 and 35.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 24 ins. in the ground, with aluminum cap mkd.</p>
	<p style="text-align: center;">WP T 16 1/2 N R 19 W S 26 ----- S 35 2004</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
39.92	<p>The 1/4 sec. cor. of secs. 26 and 35, monumented with an iron post, 1 in. diam., firmly set, projecting 3 ins. above a supporting mound of stone, 4 ft. base, 2 ft. high, with brass cap mkd. 1/4 S26 S35 1916, with an accessory mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p> <p>Add the marks T16 1/2N R 19 W 2004 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 89°59' W., beginning new measurement.</p> <p>Over rugged broken rocky land, through scattered creosote bush and scattered cacti.</p>
19.06	<p>Point for a witness point on line bet. secs. 26 and 35.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 10 ins. in the ground, to bedrock, in a supporting mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;">             WP              T 16 1/2 N R 19 W              S 26  <hr style="width: 10%; margin: 0 auto;"/>             S 35              2004         </div>
32.14	<p>Point for a witness point on line bet. secs. 26 and 35.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 6 ins. in the ground, to bedrock, in a supporting mound of stone, 4 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;">             WP              T 16 1/2 N R 19 W              S 26  <hr style="width: 10%; margin: 0 auto;"/>             S 35              2004         </div>
40.03	<p>The cor. of secs. 26, 27, 34 and 35.</p> <hr style="width: 60%; margin: 10px auto;"/> <p>From the cor. of secs. 28, 29, 32 and 33, monumented with an iron post, 2 ins. diam., firmly set, projecting 9 ins. above the ground, with brass cap mkd. T16 1/2N R19W S29 S28 S32 S33 1916, with an accessory mound of stone, 4 ft. base, 2 ft. high, W. of cor.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
8.49	<p>Add the marks 2004 to the brass cap.</p> <p>N. 0°03' W., bet. secs. 28 and 29.</p> <p>Over broken rocky land, through scattered creosote and Yucca bush.</p> <p>Point for a witness point on line bet. secs. 28 and 29.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., on bedrock, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <p align="center">           WP            T 16 1/2 N R 19 W            S 29   S 28            2004         </p>
26.11	<p>Point for a witness point on line bet. secs. 28 and 29.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 10 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <p align="center">           WP            T 16 1/2 N R 19 W            S 29   S 28            2004         </p>
39.97	<p>The 1/4 sec. cor. of secs. 28 and 29, monumented with a stone, 19 X 10 X 10 ins., firmly set, projecting 8 ins. above the ground, with 1/4 scribed on W. face, with a scattered accessory mound of stone, 2 ft. base, W. of cor.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 15 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p align="center">           T 16 1/2 N R 19 W            1/4            S 29   S 28            2004         </p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post and bury orig. stone alongside the stainless steel post.</p> <p>Rebuild accessory mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°04' W., beginning new measurement.</p> <p>Over rolling rocky land, through scattered creosote, Yucca and various specie of cactus.</p>		
25.20	<p>Point for a witness point on line bet. secs. 28 and 29.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 13 ins. in the ground, to bedrock, in a mound of stone, 2 1/2 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>WP</p> <p>T 16 1/2 N R 19 W</p> <table style="margin: 0 auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S 29</td> <td style="padding: 0 5px;">S 28</td> </tr> </table> <p>2004</p> </div>	S 29	S 28
S 29	S 28		
40.04	<p>The cor. of secs. 20, 21, 28 and 29, monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above a supporting mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. T16 1/2N R19W S20 S21 S29 S28 1916, with an accessory mound of stone, 4 ft. base, 2 ft. high, W. of cor.</p> <p>Add the marks 2004 to the brass cap.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>From the cor. of secs. 28, 29, 32 and 33.</p> <p>N. 89°59' W., bet. secs. 29 and 32.</p> <p>Over rolling rocky land, through scattered creosote, Yucca and various species of cactus.</p>		
6.44	<p>Point for a witness point, identical with AP 1, sec. 32, on line bet. secs. 29 and 32.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 25 ins. in the ground, with aluminum cap mkd.</p>		

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<div data-bbox="771 384 1063 556" data-label="Diagram"> <p style="text-align: center;">WP T 16 1/2 N R 19 W S 29 ----- S 32 / AP1           WSWA</p> </div> <div data-bbox="885 590 950 619" data-label="Text"> <p style="text-align: center;">2004</p> </div> <div data-bbox="402 646 1437 709" data-label="Text"> <p>Cor. is located on the right bank of a dry sandy wash, 15 ft. deep, drains S. 33° W.</p> </div> <div data-bbox="256 737 1437 856" data-label="Text"> <p>40.07 The 1/4 sec. cor. of secs. 29 and 32, monumented with an iron post, 1 in. diam., firmly set, projecting 7 ins. above the ground, with brass cap mkd. 1/4 S29 S32 1916, with an accessory mound of stone, 2 ft. base, 2 ft. high, W. of cor.</p> </div> <div data-bbox="402 884 1193 919" data-label="Text"> <p>Add the marks T16 1/2N R19W 2004 to the brass cap.</p> <hr/> </div> <div data-bbox="402 972 1047 1003" data-label="Text"> <p>From the cor. of secs. 20, 21, 28 and 29.</p> </div> <div data-bbox="402 1031 950 1062" data-label="Text"> <p>S. 89°57' W., bet. secs. 20 and 29.</p> </div> <div data-bbox="402 1094 1437 1150" data-label="Text"> <p>Over broken rocky land, through scattered creosote and native grasses.</p> </div> <div data-bbox="256 1178 1161 1209" data-label="Text"> <p>21.05 Point for AP 31, sec. 20, hereinafter described.</p> </div> <div data-bbox="256 1241 1437 1360" data-label="Text"> <p>40.10 The 1/4 sec. cor. of secs. 20 and 29, monumented with an iron post, 1 in. diam., firmly set, in a scattered mound of stone, 4 ft. base, with brass cap mkd. 1/4 S20 S29 1916, with a scattered accessory mound of stone, 2 ft. base, N. of cor.</p> </div> <div data-bbox="402 1388 1193 1419" data-label="Text"> <p>Add the marks T16 1/2N R19W 2004 to the brass cap.</p> </div> <div data-bbox="402 1451 1437 1507" data-label="Text"> <p>Rebuild supporting mound of stone, 4 ft. base, 2 1/2 ft. high and the accessory mound of stone, 2 ft. base, 1 1/2 ft. high.</p> <hr/> </div>



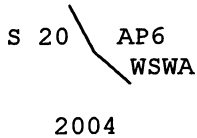
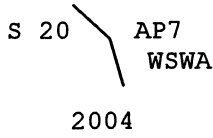
**Metes-and-Bounds Survey of the Warm Springs  
Wilderness Area Boundary, in Sections 20 and 32,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>In section 20</p> <hr style="width: 30%; margin: auto;"/>
	<p>From the point for AP 1, sec. 20, determined on the N. bdy. of the Tp., 30 ft. easterly of a bladed road, hereinbefore described.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 15 ins. in the ground, to bedrock, in a supporting mound of stone, 2 1/2 ft. base, to top, with aluminum cap mkd.</p>
	<p style="text-align: center;">T 17 N R 19 W S 35 ----- S 20 \ AP1           / WSWA</p>
	<p>2004</p>
	<p>From this cor. point, the stan. 1/4 sec. cor. of sec. 35, bears N. 89°54' E., 22.92 chs. dist., hereinbefore described.</p> <p>Cor. is located 30 ft. dist., E. of a bladed road.</p> <p>S. 53°30' E., on line 1-2, sec. 20, along the Warm springs Wilderness Area Boundary.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
13.22	<p>Point for AP 2, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 25 ins. in the ground, with aluminum cap mkd.</p>
	<p style="text-align: center;">T 16 1/2 N R 19 W S 20 \ AP2           / WSWA</p>
	<p>2004</p>
	<p>Cor. is located 30 ft. dist., E. of a bladed road.</p> <hr style="width: 30%; margin: auto;"/> <p>S. 20°50' E., on line 2-3, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
1.58	<p>Point for AP 3, sec. 20.</p>

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CHAINS	
	<p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 21 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 16 1/2 N R 19 W</p> <p>S 20 \ AP3           WSWA</p> <p>2004</p> </div> <p>Cor. is located 30 ft. dist., E. of a bladed road.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 38°58' E., on line 3-4, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
7.02	<p>Point for AP 4, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 23 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 16 1/2 N R 19 W</p> <p>S 20 \ AP4           WSWA</p> <p>2004</p> </div> <p>Cor. is located 30 ft. dist., E. of a bladed road.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 4°37' E., on line 4-5, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
1.81	<p>Point for AP 5, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 24 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 16 1/2 N R 19 W</p> <p>S 20 \ AP5           WSWA</p> <p>2004</p> </div>

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CHAINS	
2.05	<p>Cor. is located 30 ft. dist., E. of a bladed road.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 31°37' E., on line 5-6, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>Point for AP 6, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 26 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T 16 1/2 N R 19 W</p>  <p>2004</p> </div> <p>Cor. is located 30 ft. dist., E. of a bladed road.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 43°53' E., on line 6-7, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>Point for AP 7, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 24 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T 16 1/2 N R 19 W</p>  <p>2004</p> </div> <p>Cor. is located 30 ft. dist., E. of a bladed road.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 27°00' E., on line 7-8, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>Point for AP 8, sec. 20.</p>
7.20	

Metes-and-Bounds Survey of the Warm Springs  
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CHAINS

Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 22 ins. in the ground, with aluminum cap mkd.

T 16 1/2 N R 19 W

S 20 

2004

Cor. is located 30 ft. dist., E. of a bladed road.

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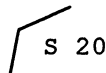
N. 6°10' E., on line 8-9, sec. 20.

Over rolling rocky land, through scattered creosote, yucca and scrub brush.

2.97 Point for AP 9, sec. 20.

Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 22 ins. in the ground, with aluminum cap mkd.

T 16 1/2 N R 19 W

AP9 

2004

Cor. is located 100 ft. dist., W. of a bladed road.

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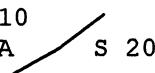
N. 48°27' E., on line 9-10, sec. 20.

Over rolling rocky land, through scattered creosote, yucca and scrub brush.

7.05 Point for AP 10, sec. 20.

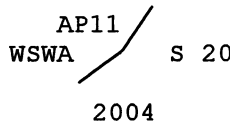
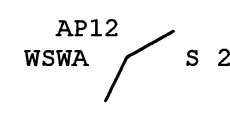
Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 15 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.

T 16 1/2 N R 19 W

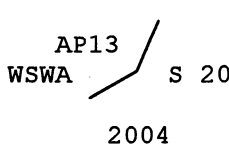
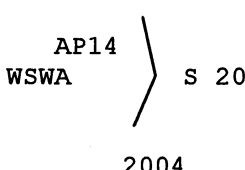
AP10 

2004

**Metes-and-Bounds Survey of the Warm Springs  
Wilderness Area Boundary, in Sections 20 and 32,  
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CHAINS	
4.10	<p>Cor. is located 100 ft. dist., W. of a bladed road.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>N. 48°06' E., on line 10-11, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>Point for AP 11, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 19 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T 16 1/2 N R 19 W</p>  </div> <p>Cor. is located 100 ft. dist., W. of a bladed road.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>N. 26°29' E., on line 11-12, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>Point for AP 12, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 16 ins. in the ground, to bedrock, in a mound of stone, 2 1/2 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T 16 1/2 N R 19 W</p>  </div> <p>Cor. is located 100 ft. dist., W. of a bladed road.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>N. 57°01' E., on line 12-13, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>

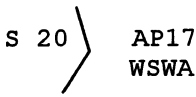
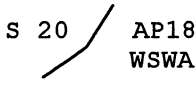
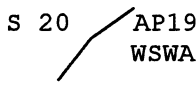
**Metes-and-Bounds Survey of the Warm Springs  
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T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
<p>5.06</p>	<p>Point for AP 13, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 15 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W</p> <div style="text-align: center;">  <p>AP13 WSWA      S 20</p> <p>2004</p> </div> <p>Cor. is located 100 ft. dist., W. of a bladed road.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 18°31' E., on line 13-14, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
<p>2.16</p>	<p>Point for AP 14, sec. 20.</p> <p>Set an aluminum drive rod, 36 ins. long, 3/4 in. diam., 19 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W</p> <div style="text-align: center;">  <p>AP14 WSWA      S 20</p> <p>2004</p> </div> <p>Cor. is located 100 ft. dist., W. of a bladed road.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 11°47' W., on line 14-15, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
<p>5.02</p>	<p>Point for AP 15, Sec. 20, at intersection with the N. bdy. of the Tp., hereinbefore described.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p>

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CHAINS	<div style="text-align: center; margin-bottom: 20px;"> <p>T 17 N R 19 W S 35</p> <hr style="width: 100px; margin: 0 auto;"/> <p>AP15 WSWA      S 20</p> <p style="margin-left: 100px;"> </p> <p>T 16 1/2 N</p> <p>2004</p> </div> <p>From this cor. point, the stan. 1/4 sec. cor. of sec. 35, bears S. 89°59' W., 15.05 chs. dist.</p> <p>Cor. is located 100 ft. dist., W. of a bladed road.</p> <hr style="width: 100%; margin: 20px 0;"/> <p>From the point for AP 16, sec. 20, on the N. bdy. of the Tp., hereinbefore described.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 14 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center; margin-bottom: 20px;"> <p>T 17 N R 19 W S 35</p> <hr style="width: 100px; margin: 0 auto;"/> <p>S 20      AP16                    WSWA</p> <p>T 16 1/2 N</p> <p>2004</p> </div> <p>From this cor. point, the stan. cor. of secs. 35 and 36, bears N. 89°59' E., 21.75 chs. dist.</p> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <p>S. 12°05' E., on line 16-17, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>5.48      Point for AP 17, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 26 ins. in the ground, with aluminum cap mkd.</p>
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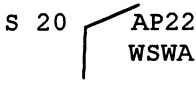

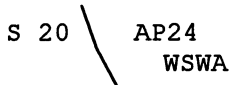
CHAINS	
	<div style="text-align: center; margin-bottom: 10px;"> <p>T 16 1/2 N R 19 W</p>  <p>2004</p> </div> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 24°12' W., on line 17-18, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>4.10 Point for AP 18, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 24 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center; margin-bottom: 10px;"> <p>T 16 1/2 N R 19 W</p>  <p>2004</p> </div> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 57°24' W., on line 18-19, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>6.12 Point for AP 19, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center; margin-bottom: 10px;"> <p>T 16 1/2 N R 19 W</p>  <p>2004</p> </div>



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<p>CHAINS</p>	<p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr/> <p>S. 21°52' W., on line 19-20, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>6.46 Point for AP 20, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 26 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W</p> <p style="text-align: center;">S 20 / AP20 WSWA</p> <p style="text-align: center;">2004</p> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr/> <p>S. 44°38' W., on line 20-21, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>4.97 Point for AP 21, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 26 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W</p> <p style="text-align: center;">S 20 / AP21 WSWA</p> <p style="text-align: center;">2004</p> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr/> <p>S. 53°48' W., on line 21-22, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>5.30 Point for AP 22, sec. 20.</p>
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**Metes-and-Bounds Survey of the Warm Springs  
Wilderness Area Boundary, in Sections 20 and 32,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 2 ins. in the ground, to bedrock, in a supporting mound of stone, 4 ft. base, to top, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W</p> <div style="text-align: center;">  <p>S 20      AP22                  WSWA</p> </div> <p style="text-align: center;">2004</p> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 2°38' W., on line 22-23, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
<p>2.36</p>	<p>Point for AP 23, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 24 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W</p> <div style="text-align: center;">  <p>S 20      AP23                  WSWA</p> </div> <p style="text-align: center;">2004</p> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 31°19' E., on line 23-24, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
<p>9.14</p>	<p>Point for AP 24, sec. 20.</p> <p>Set an aluminum drive rod, 24 ins. long, 3/4 in. diam., 19 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W</p> <div style="text-align: center;">  <p>S 20      AP24                  WSWA</p> </div> <p style="text-align: center;">2004</p>

**Metes-and-Bounds Survey of the Warm Springs  
Wilderness Area Boundary, in Sections 20 and 32,  
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CHAINS	
7.38	<p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 20%; margin: 0 auto;"/> <p>S. 33°14' E., on line 24-25, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>Point for AP 25, sec. 20.</p> <p>Set an aluminum drive rod, 36 ins. long, 3/4 in. diam., 30 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 16 1/2 N R 19 W</p> <p>S 20 \ AP25</p> <p style="margin-left: 100px;">WSWA</p> <p>2004</p> </div> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 20%; margin: 0 auto;"/> <p>S. 9°01' E., on line 25-26, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
5.01	<p>Point for AP 26, sec. 20.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 28 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 16 1/2 N R 19 W</p> <p>S 20 \ AP26</p> <p style="margin-left: 100px;">WSWA</p> <p>2004</p> </div> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 20%; margin: 0 auto;"/> <p>S. 32°18' E., on line 26-27, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
14.83	<p>Point for AP 27, sec. 20.</p>

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T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Set an aluminum drive rod, 36 ins. long, 3/4 in. diam., 32 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W</p> <div style="text-align: center;"> <p>S 20 \ WSWA AP27 2004</p> </div> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 20%; margin: auto;"/> <p>S. 27°24' E., on line 27-28, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
<p>6.84</p>	<p>Point for AP 28, sec. 20.</p> <p>Set an aluminum drive rod, 36 ins. long, 3/4 in. diam., 32 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W</p> <div style="text-align: center;"> <p>S 20 } AP28 WSWA 2004</p> </div> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 20%; margin: auto;"/> <p>S. 25°55' W., on line 28-29, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
<p>5.12</p>	<p>Point for AP 29, sec. 20.</p> <p>Set an aluminum drive rod, 24 ins. long, 3/4 in. diam., 5 ins. in the ground, to bedrock, in a supporting mound of stone, 5 ft. base, to top, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W</p> <div style="text-align: center;"> <p>S 20 / AP29 WSWA 2004</p> </div>

**Metes-and-Bounds Survey of the Warm Springs  
Wilderness Area Boundary, in Sections 20 and 32,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
12.23	<p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 30°42' W., on line 29-30, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>Point for AP 30, sec. 20.</p> <p>Set an aluminum drive rod, 36 ins. long, 3/4 in. diam., 6 ins. in the ground, to bedrock, in a mound of stone, 4 ft. base, to top, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T 16 1/2 N R 19 W</p> <p>S 20 / AP30           WSWA</p> <p>2004</p> </div> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 18°13' W., on line 30-31, sec. 20.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
4.07	<p>Point for AP 31, sec. 20, at intersection with the line bet. secs. 20 and 29, hereinbefore described.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 19 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T 16 1/2 N R 19 W</p> <p>S 20 / WSWA           AP31</p> <hr style="width: 20%; margin: 0 auto;"/> <p>S 29</p> <p>2004</p> </div> <p>From this cor. point, the cor. of secs. 20, 21, 28 and 29, bears N. 89°57' E., 21.05 chs. dist.</p> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 20%; margin: 10px auto;"/>

**Metes-and-Bounds Survey of the Warm Springs  
Wilderness Area Boundary, in Sections 20 and 32,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS

In section 32

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From the AP 1, sec. 32, identical with a witness point, on the line bet. secs. 29 and 32, hereinbefore described.

From this cor. point, the cor. of secs. 28, 29, 32 and 33, bears S. 89°59' E., 6.44 chs. dist.

Cor. is located on the right bank of a dry sandy wash, 15 ft. deep, drains S. 35° W.

S. 45°27' W., on line 1-2, sec. 32.

Over rolling rocky land, through scattered creosote, yucca and scrub brush.

4.30 Point for AP 2, sec. 32.

Set an aluminum drive rod, 40 ins. long, 3/4 in. diam., 34 ins. in the ground, with aluminum cap mkd.

T 16 1/2 N R 19 W  
S 32



2004

Cor. is located on the right bank of a dry sandy wash, 15 ft. deep, drains S. 72° W.

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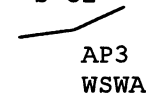
S. 62°58' W., on line 2-3, sec. 32.

Over rolling rocky land, through scattered creosote, yucca and scrub brush.

8.78 Point for AP 3, sec. 32.

Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 27 ins. in the ground, with aluminum cap mkd.

T 16 1/2 N R 19 W  
S 32



2004

**Metes-and-Bounds Survey of the Warm Springs  
Wilderness Area Boundary, in Sections 20 and 32,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
13.14	<hr style="width: 30%; margin: 0 auto;"/> <p>S. 83°23' W., on line 3-4, sec. 32.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>Point for AP 4, sec. 32.</p> <p>Set an aluminum drive rod, 30 ins. long, 3/4 in. diam., 8 ins. in the ground, to bedrock, in a mound of stone, 2 1/2 ft. base, to top, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W</p> <div style="text-align: center;"> <p>S 32 / AP4 WSWA</p> </div> <p style="text-align: center;">2004</p> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 30%; margin: 0 auto;"/>
6.31	<p>S. 24°22' W., on line 4-5, sec. 32.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>Point for AP 5, sec. 32.</p> <p>Set an aluminum drive rod, 36 ins. long, 3/4 in. diam., 21 ins. in the ground, to bedrock, in a mound of stone, 2 ft. base, to top, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W</p> <div style="text-align: center;"> <p>S 32 / AP5 WSWA</p> </div> <p style="text-align: center;">2004</p> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 30%; margin: 0 auto;"/>
13.40	<p>S. 0°15' E., on line 5-6, sec. 32.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p> <p>Point for AP 6, sec. 32.</p>

**Metes-and-Bounds Survey of the Warm Springs  
Wilderness Area Boundary, in Sections 20 and 32,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Set an aluminum drive rod, 24 ins. long, 3/4 in. diam., 6 ins. in the ground, to bedrock, in a supporting mound of stone, 3 ft. base, to top, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W S 32 / AP6 WSWA 2004</p> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 14°49' W., on line 6-7, sec. 32.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
4.76	<p>Point for AP 7, sec. 32.</p> <p>Set an aluminum drive rod, 24 ins. long, 3/4 in. diam., 21 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W S 32 / AP7 WSWA 2004</p> <p>Cor. is located 100 ft. dist., E. of a bladed road.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 4°00' W., on line 7-8, sec. 32.</p> <p>Over rolling rocky land, through scattered creosote, yucca and scrub brush.</p>
23.86	<p>Point for AP 8, sec. 32.</p> <p>Set an aluminum drive rod, 36 ins. long, 3/4 in. diam., 26 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T 16 1/2 N R 19 W S 32 / AP8 WSWA 2004</p>



**Metes-and-Bounds Survey of the Warm Springs  
Wilderness Area Boundary, in Sections 20 and 32,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS

Cor. is located 100 ft. dist., E. of a bladed road.

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S. 4°59' W., on line 8-9, sec. 32.

Over rolling rocky land, through scattered creosote, yucca and scrub brush.

24.07

Point for AP 9, sec. 32, on the S. bdy. of the Tp., hereinbefore described.

Set an aluminum drive rod, 54 ins. long, 3/4 in. diam., 44 ins. in the ground, with aluminum cap mkd.

T 16 1/2 N R 19 W

S 32	WSWA AP9
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S 5  
T 16 N

2004

From this cor. point, the 1/4 sec. cor. of secs. 5 and 32, on the S. bdy. of the Tp., bears N. 89°58' W., 2.10 chs. dist.

Cor. is located 100 ft. dist., E. of a bladed road.

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**T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS

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**GENERAL DESCRIPTION**

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The Warm Springs Wilderness Area is located approximately 35 miles southwesterly of Kingman, AZ. Access is by way of I-40 and various trail roads in sections 20, 29, and 32. The Burlington Northern Santa Fe railroad runs along the southeasterly boundary of the wilderness area.

The terrain varies from level and rolling in sections 3, 4, 5, in T. 16 N., R. 19 W., sections 20, 29 and 32 in T. 16 1/2 N., R. 19 W., to rolling and mountainous in sections 25, 26, 35 and the NE cor. of section 20. The vegetation consists mostly of creosote and yucca bush, various cacti and native grasses.

There is mining activity in the NE cor. of section 20, T. 16 1/2 N., R. 19 W. There are several wild burros roaming in the area. There is some evidence of a large meteor having landed in section 4, T. 16 N., R. 19 W.

The mean magnetic declination of  $12\ 3/4^\circ$  E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2000 for the dates of survey.

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**Description of the Warm Springs Wilderness Area Boundary,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS

The following is for informational purposes only

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Beginning at the Angle Point 1, sec. 20, on the N. bdy. of the Tp.

thence S. 53°30' E., 13.22 chs. dist. to Angle Point 2, sec. 20;

thence S. 20°50' E., 1.58 chs. dist. to Angle Point 3, sec. 20;

thence S. 38°58' E., 7.02 chs. dist. to Angle Point 4, sec. 20;

thence S. 4°37' E., 1.81 chs. dist. to Angle Point 5, sec. 20;

thence S. 31°37' E., 2.05 chs. dist. to Angle Point 6, sec. 20;

thence S. 43°53' E., 2.83 chs. dist. to Angle Point 7, sec. 20;

thence S. 27°00' E., 7.20 chs. dist. to Angle Point 8, sec. 20;

thence N. 6°10' E., 2.97 chs. dist. to Angle Point 9, sec. 20;

thence N. 48°27' E., 7.05 chs. dist. to Angle Point 10, sec. 20;

thence N. 48°06' E., 4.10 chs. dist. to Angle Point 11, sec. 20;

thence N. 26°29' E., 7.56 chs. dist. to Angle Point 12, sec. 20;

thence N. 57°01' E., 5.06 chs. dist. to Angle Point 13, sec. 20;

thence N. 18°31' E., 2.16 chs. dist. to Angle Point 14, sec. 20;

thence N. 11°47' W., 5.02 chs. dist. to Angle Point 15, sec. 20, on the N. bdy. of the Tp.

From Angle Point 16, sec. 20, on the N. bdy. of the Tp.;

thence S. 12°05' E., 5.48 chs. dist. to Angle Point 17, sec. 20;

thence S. 24°12' W., 4.10 chs. dist. to Angle Point 18, sec. 20;

thence S. 57°24' W., 6.12 chs. dist. to Angle Point 19, sec. 20;

thence S. 21°52' W., 6.46 chs. dist. to Angle Point 20, sec. 20;

thence S. 44°38' W., 4.97 chs. dist. to Angle Point 21, sec. 20;

thence S. 53°48' W., 5.30 chs. dist. to Angle Point 22, sec. 20;

thence S. 2°38' W., 2.36 chs. dist. to Angle Point 23, sec. 20;

thence S. 31°19' E., 9.14 chs. dist. to Angle Point 24, sec. 20;

thence S. 33°14' E., 7.38 chs. dist. to Angle Point 25, sec. 20;

**Description of the Warm Springs Wilderness Area Boundary,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	thence S. 9°01' E., 5.01 chs. dist. to Angle Point 26, sec. 20;
	thence S. 32°18' E., 14.83 chs. dist. to Angle Point 27, sec. 20;
	thence S. 27°24' E., 6.84 chs. dist. to Angle Point 28, sec. 20;
	thence S. 25°55' W., 5.12 chs. dist. to Angle Point 29, sec. 20;
	thence S. 30°42' W., 12.23 chs. dist. to Angle Point 30, sec. 20;
	thence S. 18°13' W., 4.07 chs. dist. to Angle Point 31, sec. 20, on the line bet. secs. 20 and 29;
	thence N. 89°57' E., 21.05 chs. dist., on the line bet. secs. 20 and 29, to the cor. of secs. 20, 21, 28 and 29;
	thence S. 0°04' E., 14.84 chs. dist. to a WP, on line bet. secs. 28 and 29;
	thence S. 0°04' E., 25.20 chs. dist. to the 1/4 sec. cor. of secs. 28 and 29;
	thence S. 0°03' E., 13.86 chs. dist. to a WP, on line bet. secs. 28 and 29;
	thence S. 0°03' E., 17.62 chs. dist. to a WP, on line bet. secs. 28 and 29;
	thence S. 0°03' E., 8.49 chs. dist., on line bet. secs. 28 and 29, to the cor. of secs. 28, 29, 32 and 33;
	thence N. 89°59' W., 6.44 chs. dist. to a WP, identical with Angle Point 1, sec. 32, on line bet. secs. 29 and 32;
	thence S. 45°27' W., 4.30 chs. dist., to Angle Point 2, sec. 32;
	thence S. 62°58' W., 8.78 chs. dist., to Angle Point 3, sec. 32;
	thence S. 83°23' W., 13.14 chs. dist., to Angle Point 4, sec. 32;
	thence S. 24°22' W., 6.31 chs. dist., to Angle Point 5, sec. 32;
	thence S. 0°15' E., 13.40 chs. dist., to Angle Point 6, sec. 32;
	thence S. 14°49' W., 4.76 chs. dist., to Angle Point 7, sec. 32;
	thence S. 4°00' W., 23.86 chs. dist., to Angle Point 8, sec. 32;
	thence S. 4°59' W., 24.07 chs. dist., to Angle Point 9, sec. 32, on the S. bdy. of the Tp.;
	thence S. 89°58' E., 10.78 chs. dist. to a WP, on the S. bdy. of the Tp.;
	thence S. 89°58' E., 14.93 chs. dist. to a WP, on the S. bdy. of the Tp.;
	thence S. 89°58' E., 12.21 chs. dist. to the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp.
	From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp.
	thence N. 0°01' W., 15.49 chs. dist. to a WP, on line bet. secs. 34 and 35;

**Description of the Warm Springs Wilderness Area Boundary,  
T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	thence N. 0°01' W., 11.76 chs. dist. to a WP, on line bet. secs. 34 and 35;
	thence N. 0°01' W., 12.69 chs. dist. to the 1/4 sec. cor. of secs. 34 and 35;
	thence N. 0°01' E., 12.17 chs. dist. to a WP, on line bet. secs. 34 and 35;
	thence N. 0°01' E., 18.11 chs. dist. to a WP, on line bet. secs. 34 and 35;
	thence N. 0°01' E., 9.82 chs. dist. to the cor. of secs. 26, 27, 34 and 35;
	thence N. 89°59' E., 7.88 chs. dist. to a WP, on line bet. secs. 26 and 35;
	thence N. 89°59' E., 13.09 chs. dist. to a WP, on line bet. secs. 26 and 35;
	thence N. 89°59' E., 19.06 chs. dist. to the 1/4 sec. cor. of secs. 26 and 35;
	thence S. 89°59' E., 6.31 chs. dist. to a WP, on line bet. secs. 26 and 35;
	thence S. 89°59' E., 21.56 chs. dist. to a WP, on line bet. secs. 26 and 35;
	thence S. 89°59' E., 12.05 chs. dist. to the cor. of secs. 25, 26, 35 and 36;
	thence N. 0°06' E., 40.06 chs. dist. to the 1/4 sec. cor. of secs. 25 and 26;
	thence N. 0°04' E., 40.06 chs. dist. to the cor. of secs. 23, 24, 25 and 26;
	thence N. 89°42' E., 40.00 chs. dist. to the 1/4 sec. cor. of secs. 24 and 25;
	thence S. 89°27' E., 40.00 chs. dist. to the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the Tp.;
	thence N. 0°02' E., 6.55 chs. dist. to a WP, on E. bdy. of the Tp.;
	thence N. 0°02' E., 25.77 chs. dist. to a WP, on E. bdy. of the Tp.;
	thence N. 0°02' E., 7.73 chs. dist. to the 1/4 sec. cor. of secs. 19 and 24, on the E. bdy. of the Tp.;
	thence N. 0°04' E., 14.34 chs. dist. to a WP, on E. bdy. of the Tp.;
	thence N. 0°04' E., 14.63 chs. dist. to a WP, on E. bdy. of the Tp.
	thence N. 0°04' E., 14.42 chs. dist. to the closing cor. of secs. 19 and 24, T. 16 1/2 N., Rs. 18 and 19 W., on the N. bdy. of the Tp.



CERTIFICATE OF SURVEY

I, W. William Foster, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 31st day of March, 2004, I have dependently resurveyed a portion of the Fourth Standard Parallel North (north boundary), a portion of the south and east boundaries, a portion of the subdivisional lines and the metes-and-bounds survey of the Warm Springs Wilderness Area Boundary, T. 16 1/2 N., R. 19 W., of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction. 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, 1973, and in specific manner described in the foregoing field notes.

W. William Foster is no longer assigned to this office  
and is unavailable for signature

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the Fourth Standard Parallel North (north boundary), a portion of the south and east boundaries, a portion of the subdivisional lines and the metes-and-bounds survey of the Warm Springs Wilderness Area Boundary, T. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, in the State of Arizona, executed by W. William Foster, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

11/03/2006  
(Date)

Stephen K. Hansen  
(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. 16 1/2 N., R. 19 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.

~~\_\_\_\_\_  
(Date)~~

~~\_\_\_\_\_  
(Chief Cadastral Surveyor of Arizona)~~