

ORIGINAL

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

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF
A PORTION OF THE SECOND GUIDE MERIDIAN WEST (EAST BOUNDARY)
AND A PORTION OF THE SUBDIVISIONAL LINES
AND THE METES-AND-BOUNDS SURVEY OF A PORTION OF
THE MOUNT LOGAN WILDERNESS AREA BOUNDARY,
TOWNSHIP 33 NORTH, RANGE 9 WEST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Geoffrey A. Graham, Cadastral Surveyor

Under Special Instructions dated August 31, 1998, approved August, 31 1998, which provided for the surveys included under Group No. 833, and assignment instructions dated May 29, 2003.

Survey commenced July 14, 2003

Survey completed October 26, 2003

INDEX DIAGRAM

TOWNSHIP 33 NORTH RANGE 9 WEST
GILA AND SALT RIVER MERIDIAN, ARIZONA

6	5	4	3	2	6 1 3
7	8	9	10	11	5 12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the Second Guide Meridian West (east boundary) and a portion of the subdivisional lines and the metes-and-bounds survey of a portion of the Mount Logan Wilderness Area Boundary, Township 33 North, Range 9 West, Gila and Salt River Meridian, Arizona.

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

Dupree R. Averill and William E. Hiester surveyed the Second Guide Meridian West (east boundary) and the north boundary, in 1917, and the subdivisional lines in 1921.

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 August 31, 1998, for Group No. 833, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5700 and 5800 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 Global Positioning System (GPS) static post observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) KING KINGMAN CORS ARP, FRED FREDONIA CORS ARP and FERN FERNO MESA CORS ARP. The NAD 83 (CORS96) (EPOCH:2002), geographic position of the corner of sections 1, 6, 7 and 12 on the east boundary of the township, is as follows:

Latitude: 36°16'52.95" N. Longitude: 113°12'00.80" W.

The mean magnetic declination is 13° E.

**Dependent Resurvey of a Portion of
the Second Guide Meridian West (East Boundary),
T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona**

Restoring the survey executed by
Dupree R. Averill and William E. Hiester, in 1917

**Dependent Resurvey of a Portion of
the Second Guide Meridian West (East Boundary),
T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona**

CHAINS	<p>Beginning at the corner of sections 1, 6, 7 and 12 on the E. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 21 ins. above ground, with brass cap mkd. T33N R9W R8W S1 S6 S12 S7 1917.</p> <p>from which the original bearing trees</p> <p style="padding-left: 40px;">A piñon, 11 ins. diam., bears N. 28° E., 54 lks. dist., with scribe marks S6 visible on partially healed blaze. (Record, N. 31 1/2° E., 52 lks. dist.)</p> <p style="padding-left: 40px;">A piñon, 14 ins. diam., bears S. 63 1/2° E., 1.23 chs. dist., with scribe marks T33N R8W S7 visible on weathered upper blaze and BT visible on weathered lower blaze.</p> <p style="padding-left: 40px;">A piñon, 11 ins. diam., bears S. 50° W., 81 lks. dist., with scribe marks T33N R9W visible on partially healed upper blaze and illegible scribe marks visible on mostly healed lower blaze.</p> <p style="padding-left: 40px;">A juniper, 12 ins. diam., bears N. 66° W., 52 lks. dist., with scribe marks R9W S1 visible on partially healed upper blaze and B visible on mostly healed lower blaze.</p> <p>Add the marks 2003 to the brass cap.</p> <p>Raise a supporting mound of stone, 7 ft. base, 1 1/2 ft. high.</p> <p>Cor. is located in small rill, 4 ft. wide, 1 1/2 ft. deep.</p> <p>N. 0°06' E., bet. secs. 1 and 6.</p>
40.00	<p>The 1/4 sec. cor. of secs. 1 and 6, monumented with an iron post, 1 in. diam., firmly set, projecting 17 ins. above ground, in a scattered mound of stone, with brass cap mkd. 1/4 S1 S6 191.</p> <p>from which the original bearing trees</p> <p style="padding-left: 40px;">A juniper, 10 ins. diam., bears S. 32 1/2° E., 42 lks. dist., with scribe marks 1/4 S6 BT visible on partially healed blaze.</p> <p style="padding-left: 40px;">A juniper, 22 ins. diam., bears N. 20° W., 1.26 chs. dist., with scribe marks 1/4 S1 visible on weathered upper blaze and BT visible on weathered lower blaze.</p> <p>Add the marks T33N R9W R8W 2002 to the brass cap.</p> <p>Rebuild supporting mound of stone, 4 ft. base, 1 ft. high.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°03' E., beginning new measurement.</p>

**Dependent Resurvey of a Portion of
the Second Guide Meridian West (East Boundary),
T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona**

CHAINS																
39.88	<p>The cor. of Tps. 33 and 34 N., Rs. 8 and 9 W., monumented with an iron post, 3 ins. diam., firmly set, projecting 9 ins. above ground, with brass cap mkd. T34N R9W R8W S36 S31 S1 S6 T33N 1917 2003 and witnessed as described in the field notes of the dependent resurvey of a portion of the south boundary, T. 34 N., R. 9 W. executed concurrently under this Group.</p> <hr/> <p style="text-align: center;">Dependent Resurvey of a Portion of the Subdivisional Lines, T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p style="text-align: center;">Restoring the survey executed by Dupree R. Averill and William E. Hiester, in 1921</p> <hr/> <p>From the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., hereinbefore described.</p> <p>S. 89°56' W., bet. secs. 1 and 12.</p>															
40.38	<p>The 1/4 sec. cor. of secs. 1 and 12, monumented with an iron post, 1 in. diam., firmly set, projecting 17 ins. above ground, in a scattered mound of stone, with brass cap mkd. 1/4 S1 S12 1921.</p> <p>Add the marks T33N R9W 2003 to the brass cap.</p> <p>Rebuild mound of stone, 4 ft. base, 1 1/4 ft. high.</p> <hr/> <p>N. 89°51' W., beginning new measurement.</p>															
15.46	<p>Point for AP 20, sec. 1, on the Mount Logan Wilderness Area Bdy. on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 42 ins. long, 36 ins. in the ground, in mound of stone, 4 ft. base to top, with aluminum cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T 33 N R 9 W</p> <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="text-align: center;">S 1</td> <td style="text-align: center;">/</td> <td style="text-align: center;">M</td> </tr> <tr> <td></td> <td style="text-align: center;">AP 20</td> <td style="text-align: center;">L</td> </tr> <tr> <td></td> <td style="text-align: center;">—</td> <td style="text-align: center;">W</td> </tr> <tr> <td style="text-align: center;">S 12</td> <td></td> <td style="text-align: center;">A</td> </tr> <tr> <td></td> <td style="text-align: center;">2003</td> <td></td> </tr> </table> </div> <p>Leave the Mount Logan Wilderness Area.</p>	S 1	/	M		AP 20	L		—	W	S 12		A		2003	
S 1	/	M														
	AP 20	L														
	—	W														
S 12		A														
	2003															
39.85	<p>The cor. of secs. 1, 2, 11 and 12, monumented with an iron post, 2 ins. diam., firmly set, projecting 21 ins. above ground, in a</p>															

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>scattered mound of stone, with brass cap mkd. T33N R9W S2 S1 S11 S12 1921.</p> <p>from which the remaining original bearing trees</p> <p>A piñon, 15 ins. diam., bears N. 83° E., 2.47 chs. dist., with scribe marks T3 N R9W S1 BT visible on partially healed blaze.</p> <p>A piñon, 8 ins. diam., bears S. 88 1/4° E., 2.46 chs. dist., with scribe marks T33N R9W S12 BT visible on partially healed blaze.</p> <p>A juniper, 24 ins. diam., bears S. 87 1/4° W., 1.79 chs. dist., with faint scribe marks T N R W S11 BT visible on weathered blaze on a 10 in. diam. limb.</p> <p>Add the marks 2003 to the brass cap.</p> <p>Rebuild mound of stone, 5 ft. base, 1 1/2 ft. high.</p> <hr/> <p>N. 0°13' E., bet. secs. 1 and 2.</p>
40.03	<p>The 1/4 sec. cor. of secs. 1 and 2, monumented with an iron post, 1 in. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. 1/4 S1 S2 1921.</p> <p>from which the remains of the original bearing trees</p> <p>A dead and down piñon, 16 ins. diam., bears N. 84 1/4° E., 64 lks. dist., with scribe marks 1/4 visible on extremely weathered blaze. (Record, 72 lks. dist.)</p> <p>A dead and down juniper, 16 ins. diam., bears S. 8 1/2° W., 92 lks. dist., with scribe marks 1/4 S2 BT visible on partially healed blaze. (Record, S. 32° W.)</p> <p>Add the marks T33N R9W 2003 to the brass cap.</p> <hr/> <p>N. 0°13' E., beginning new measurement.</p>
39.60	<p>The cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 11 ins. above ground, with brass cap mkd. T34N R9W S35 S36 S2 S1 T33N 1917 2003 and witnessed as described in the field notes of the dependent resurvey of a portion of the south boundary, T. 34 N., R. 9 W. executed concurrently under this Group.</p> <hr/>

**Metes-and-Bounds Survey of the Mount Logan
Wilderness Area Boundary,
T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona**

CHAINS

**Metes-and-Bounds Survey of the Mount Logan
Wilderness Area Boundary,
T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona**

In Section 1

From AP 1, sec. 1, identical with AP 14, sec. 36, T. 34 N., R. 9 W., on the N. bdy. of the Tp., on the Mount Logan Wilderness Area Bdy. on the 5200 ft. contour, monumented with an aluminum drive rod, 3/4 in. diam., firmly set, projecting 8 ins. above ground, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd. T34N R9W S36 AP 14 MLWA S1 AP 1 T33N 1999 as described in the field notes of the dependent resurvey of a portion of the south boundary, T. 34 N., R. 9 W. executed concurrently under this Group.

S. 32°32' W., on line 1-2, sec. 1.

6.39 Point for AP 2, sec. 1, on the 5200 ft. contour.

Set an aluminum drive rod, 3/4 in. diam., 32 ins. long, 27 ins. in the ground to refusal, with aluminum cap mkd.

T 33 N R 9 W

S 1 $\left\{ \begin{array}{l} \text{AP 2} \\ \text{MLWA} \end{array} \right.$
2003

S. 3°42' W., on line 2-3, sec. 1.

5.87 Point for AP 3, sec. 1, on the 5200 ft. contour.

Set an aluminum drive rod, 3/4 in. diam., 33 ins. long, 31 ins. in the ground to refusal, with aluminum cap mkd.

T 33 N R 9 W

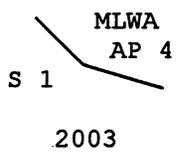
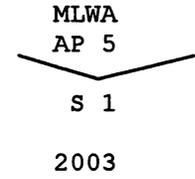
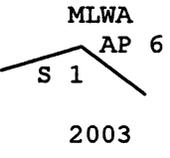
S 1 $\left\{ \begin{array}{l} \text{AP 3} \\ \text{MLWA} \end{array} \right.$
2003

S. 41°22' E., on line 3-4, sec. 1.

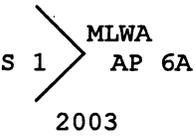
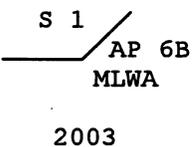
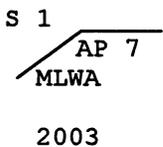
4.26 Point for AP 4, sec. 1, on the 5200 ft. contour.

Set an aluminum drive rod, 3/4 in. diam., 42 ins. long, 35 ins. in the ground, with aluminum cap mkd.

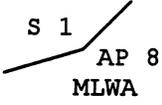
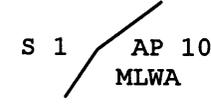
Metes-and-Bounds Survey of the Mount Logan
Wilderness Area Boundary,
T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T 33 N R 9 W</p> 
11.48	<p>S. 84°11' E., on line 4-5, sec. 1.</p> <p>Point for AP 5, sec. 1, on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 25 ins. long, 22 ins. in the ground to refusal, with aluminum cap mkd.</p>
	<p style="text-align: center;">T 33 N R 9 W</p> 
4.78	<p>N. 80°09' E., on line 5-6, sec. 1.</p> <p>Point for AP 6, sec. 1.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 64 ins. long, 60 ins. in the ground, with aluminum cap mkd.</p>
	<p style="text-align: center;">T 33 N R 9 W</p> 
8.44	<p>Cor. is located near the northern fence cor. of the Mt. Emma Wildlife Water Catchment, excluding this entity from the Mt. Logan Wilderness Area.</p> <p>S. 49°11' E., on line 6-6A, sec. 1, along the NE fence of the Mt. Emma Wildlife Water Catchment.</p> <p>Point for AP 6A, sec. 1.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 42 ins. long, 34 ins. in the ground, with aluminum cap mkd.</p>

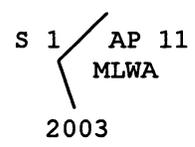
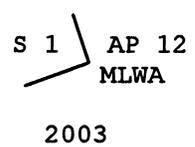
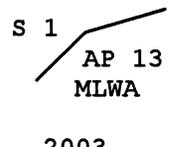
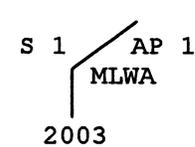
Metes-and-Bounds Survey of the Mount Logan
Wilderness Area Boundary,
T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T 33 N R 9 W</p>  <p>Cor. is located near the eastern fence cor. of the Mt. Emma Wildlife Water Catchment, excluding this entity from the Mt. Logan Wilderness Area.</p> <hr/>
8.52	<p>S. 42°52' W., on line 6A-6B, sec. 1, along the SE fence of the Mt. Emma Wildlife Water Catchment.</p> <p>Point for AP 6B, sec. 1.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 42 ins. long, 36 ins. in the ground, with aluminum cap mkd.</p>
6.10	<p style="text-align: center;">T 33 N R 9 W</p>  <p>Cor. is located near the southern fence cor. of the Mt. Emma Wildlife Water Catchment, excluding this entity from the Mt. Logan Wilderness Area.</p> <hr/> <p>S. 87°38' W., on line 6B-7, sec. 1.</p> <p>Point for AP 7, sec. 1, on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 42 ins. long, 36 ins. in the ground, with aluminum cap mkd.</p>
5.24	<p style="text-align: center;">T 33 N R 9 W</p>  <p>S. 49°13' W., on line 7-8, sec. 1.</p> <p>Point for AP 8, sec. 1, on the 5200 ft. contour.</p>

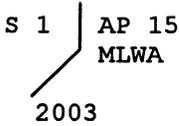
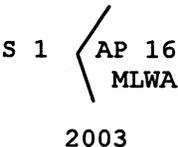
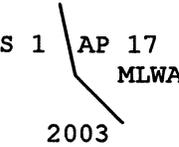
Metes-and-Bounds Survey of the Mount Logan
Wilderness Area Boundary,
T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set an aluminum drive rod, 3/4 in. diam., 34 ins. long, 28 ins. in the ground to refusal, with aluminum cap mkd.</p> <p style="text-align: center;">T 33 N R 9 W</p>  <p style="text-align: center;">2003</p> <hr/>
5.36	<p>S. 81°36' W., on line 8-9, sec. 1.</p>
	<p>Point for AP 9, sec. 1, on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 42 ins. long, 37 ins. in the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T 33 N R 9 W</p>  <p style="text-align: center;">2003</p> <hr/>
5.75	<p>S. 62°08' W., on line 9-10, sec. 1.</p>
	<p>Point for AP 10, sec. 1, on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 27 ins. long, 21 ins. in the ground to refusal, with aluminum cap mkd.</p> <p style="text-align: center;">T 33 N R 9 W</p>  <p style="text-align: center;">2003</p> <hr/>
5.47	<p>S. 39°08' W., on line 10-11, sec. 1.</p>
	<p>Point for AP 11, sec. 1, on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 42 ins. long, 34 ins. in the ground, with aluminum cap mkd.</p>

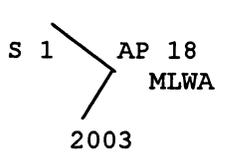
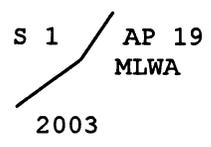
Metes-and-Bounds Survey of the Mount Logan
Wilderness Area Boundary,
T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T 33 N R 9 W</p>  <p style="text-align: center;">2003</p> <hr/>
5.58	<p>S. 6°40' E., on line 11-12, sec. 1.</p> <p>Point for AP 12, sec. 1, on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 42 ins. long, 38 ins. in the ground, with aluminum cap mkd.</p>
	<p style="text-align: center;">T 33 N R 9 W</p>  <p style="text-align: center;">2003</p> <hr/>
5.28	<p>S. 71°06' W., on line 12-13, sec. 1.</p> <p>Point for AP 13, sec. 1, on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 42 ins. long, 38 ins. in the ground, with aluminum cap mkd.</p>
	<p style="text-align: center;">T 33 N R 9 W</p>  <p style="text-align: center;">2003</p> <hr/>
7.85	<p>S. 55°55' W., on line 13-14, sec 1.</p> <p>Point for AP 14, sec. 1, on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 42 ins. long, 39 ins. in the ground, with aluminum cap mkd.</p>
	<p style="text-align: center;">T 33 N R 9 W</p>  <p style="text-align: center;">2003</p> <hr/>

**Metes-and-Bounds Survey of the Mount Logan
Wilderness Area Boundary,
T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona**

CHAINS	
5.29	<p>S. 1°04' W., on line 14-15, sec. 1.</p> <p>Point for AP 15, sec. 1, on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 42 ins. long, 38 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 33 N R 9 W</p>  </div> <hr/>
5.34	<p>S. 37°23' W., on line 15-16, sec. 1.</p> <p>Point for AP 16, sec. 1, on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 42 ins. long, 38 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 33 N R 9 W</p>  </div> <hr/>
5.75	<p>S. 8°39' E., on line 16-17, sec. 1.</p> <p>Point for AP 17, sec. 1, on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 42 ins. long, 37 ins. in the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>T 33 N R 9 W</p>  </div> <hr/>
5.48	<p>S. 56°58' E., on line 17-18, sec. 1.</p> <p>Point for AP 18, sec. 1, on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/4 in. diam., 30 ins. long, 24 ins. in the ground to refusal, with aluminum cap mkd.</p>

**Metes-and-Bounds Survey of the Mount Logan
Wilderness Area Boundary,
T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>T 33 N R 9 W</p> 
	<hr/> <p>S. 39°20' W., on line 18-19, sec. 1.</p>
5.73	<p>Point for AP 19, sec. 1, on the 5200 ft. contour.</p> <p>Set an aluminum drive rod, 3/in. diam., 33 ins. long, 26 ins. in the ground to refusal, with aluminum cap mkd.</p>
	<p>T 33 N R 9 W</p> 
	<hr/> <p>S. 57°02' W., on line 19-20, sec. 1.</p>
13.90	<p>AP 20, sec. 1, on the line bet. secs. 1 and 12, hereinbefore described.</p>
	<hr/> <p>GENERAL DESCRIPTION</p> <hr/>
	<p>This survey is located on the western slopes of the Uinkaret Mountains. The terrain is rolling with stands of piñon and juniper.</p> <p>Hiking, camping and ranching are the primary uses of the land.</p> <p>The mean magnetic declination of 13° E. was derived from the National Geophysical Data Center's magnetic declination calculator, GEOMAG v4.0, utilizing the International Geomagnetic Reference Field model for years 2000 through 2005, for the dates of survey.</p>
	<hr/> <p>Description of the Mt. Logan Wilderness Area Boundary, T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona</p> <hr/>
	<p>The following is for informational purposes only.</p> <hr/>
	<p>Beginning at AP 1, sec. 1, identical with AP 14, sec. 36, T. 34 N., R. 9 W., on the N. bdy. of the Tp.</p>

T. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona

CHAINS

thence S. 32°32' W., 6.39 chs. dist. to Angle Point 2, sec. 1;
 thence S. 3°42' W., 5.87 chs. dist. to Angle Point 3, sec. 1;
 thence S. 41°22' E., 4.26 chs. dist. to Angle Point 4, sec. 1;
 thence S. 84°11' E., 11.48 chs. dist. to Angle Point 5, sec. 1;
 thence N. 80°09' E., 4.78 chs. dist. to Angle Point 6, sec. 1;
 thence S. 49°11' E., 8.44 chs. dist. to Angle Point 6A, sec. 1;
 thence S. 42°52' W., 8.52 chs. dist. to Angle Point 6B, sec. 1;
 thence S. 87°38' W., 6.10 chs. dist. to Angle Point 7, sec. 1;
 thence S. 49°13' W., 5.24 chs. dist. to Angle Point 8, sec. 1;
 thence S. 81°36' W., 5.36 chs. dist. to Angle Point 9, sec. 1;
 thence S. 62°08' W., 5.75 chs. dist. to Angle Point 10, sec. 1;
 thence S. 39°08' W., 5.47 chs. dist. to Angle Point 11, sec. 1;
 thence S. 6°40' E., 5.58 chs. dist. to Angle Point 12, sec. 1;
 thence S. 71°06' W., 5.28 chs. dist. to Angle Point 13, sec. 1;
 thence S. 55°55' W., 7.85 chs. dist. to Angle Point 14, sec. 1;
 thence S. 1°04' W., 5.29 chs. dist. to Angle Point 15, sec. 1;
 thence S. 37°23' W., 5.34 chs. dist. to Angle Point 16, sec. 1;
 thence S. 8°39' E., 5.75 chs. dist. to Angle Point 17, sec. 1;
 thence S. 56°58' E., 5.48 chs. dist. to Angle Point 18, sec. 1;
 thence S. 39°20' W., 5.73 chs. dist. to Angle Point 19, sec. 1;
 thence S. 57°02' W., 13.90 chs. dist. to Angle Point 20, sec. 1,
 on the line bet. secs. 1 and 12.

CERTIFICATE OF SURVEY

I, Geoffrey A. Graham, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 31st day of August, 1998, I have dependently resurveyed a portion of the Second Guide Meridian West (east boundary) and a portion of the subdivisional lines and executed the metes-and-bounds survey of a portion of the Mount Logan Wilderness Area Boundary, T. 33 N., R. 9 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, and in specific manner described in the foregoing field notes.

5/10/2006
(Date)

Geoffrey A. Graham
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the Second Guide Meridian West (east boundary) and a portion of the subdivisional lines and the metes-and-bounds survey of a portion of the Mount Logan Wilderness Area Boundary, T. 33 N., R. 9 W., Gila and Salt River Meridian, in the State of Arizona, executed by Geoffrey A. Graham, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

5/18/06
(Date)

Dennis K. McKay
Acting (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. 33 N., R. 9 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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