**ORIGINAL** 

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

COMPOSITE FIELD NOTES

OF THE

SURVEY OF THE

LEGAL DESCRIPTIVE BOUNDARY

OF THE

ARAVAIPA CANYON WILDERNESS AREA

IN

TOWNSHIPS 7 SOUTH, RANGES 18 AND 19 EAST

AND TOWNSHIPS 6 SOUTH, RANGES 17 THRU 19 EAST

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

## **EXECUTED BY**

## Gordon R. Bubel and Geoffrey A. Graham, Cadastral Surveyors

Under Special Instructions dated January 17, 2001, approved January 17, 2001, and Supplemental Special Instructions dated February 14, 2011, approved February 14, 2011, which provided for the surveys included under Group No. 860 and assignment instructions dated January 17, 2001, and February 14, 2011.

Survey commenced February 12, 2001

Survey completed February 16, 2011

## Tps. 7 S., Rs. 18 and 19 E. and Tps. 6 S., Rs. 17 thru 19 E., Gila and Salt River Meridian, Arizona

#### CHAINS

The approval of these composite field notes will constitute the legal description of the Aravaipa Canyon Wilderness Area boundary, as required by <u>Public Law 101-628</u>, <u>"Arizona Desert Wilderness Act of 1990"</u>, TITLE 1, SEC. 101 (c).

This survey was executed in compliance with the provisions as set forth in <a href="Public Law 101-628">Public Law 101-628</a>, "Arizona Desert Wilderness Act of 1990".

These field notes are a composite of the approved surveys executed in the individual townships. They describe the survey of the descriptive boundary of the Aravaipa Canyon Wilderness Area in Townships 7 South, Ranges 18 and 19 East and Townships 6 South, Ranges 17 thru 19 East, Gila and Salt River Meridian, Arizona.

For detailed information regarding the survey history of the townships, refer to the approved field notes of the individual townships.

This 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 January 17, 2001, and Supplemental Special Instructions dated February 14, 2011, for Group Number 860, Arizona.

For detailed information regarding monumentation and topography, refer to the field note record for that particular township.

The distances and directions of all lines were determined by use of the Trimble 4400 and 5800 real time kinematic surveying system, and refer to the true meridian.

Geodetic control was derived by differential positioning using the Trimble Navigation 4400 Series global positioning system. United States Coast and Geodetic Survey triangulation station "DEER 1946" was used as the control station. The geographic position of the cor. of secs. 1 and 12 only, on the E. bdy. of T. 7 S., R. 18 E. is as follows:

Latitude: 33°50'45.54" N. Longitude: 110°26'54.68" W. NAD 83 (1992)

Tps. 7 S., Rs. 18 and 19 E. and

Tps. 6 S., Rs. 17 thru 19 E., Gila and Salt River Meridian, Arizona

CHAINS

### In Township 7 South, Range 18 East

Beginning at Angle Point 1, sec. 4, identical with Angle Point 12, sec. 33, T. 6 S., R. 18 E., on the line bet. secs. 4 and 33, on the N. bdy. of the Tp.

thence S. 38°58' E., 4.03 chs. dist., to Angle Point 2, sec. 4; thence N. 88°25' E., 2.65 chs. dist., to Angle Point 3, sec. 4; thence N. 33°43' E., 3.67 chs. dist., to Angle Point 4, sec. 4, identical with Angle Point 13, sec. 33, T. 6 S., R. 18 E., on the line bet. secs. 4 and 33, on the N. bdy. of the Tp.

### In Township 6 South, Range 18 East

From Angle Point 13, sec. 33, identical with Angle Point 4, sec. 4, T. 7 S., R. 18 E., on the line bet. secs. 33 and 4, on the S. bdy. of the Tp.

thence N. 33°29' E., 10.13 chs. dist. to Angle Point 14, sec. 33; thence N. 63°06' E., 3.10 chs. dist. to Angle Point 15, sec. 33; thence N. 12°58' E., 5.18 chs. dist. to Angle Point 16, sec. 33; thence N. 24°22' E., 6.12 chs. dist. to Angle Point 17, sec. 33; thence N. 11°40' W., 2.97 chs. dist. to Angle Point 18, sec. 33; thence N. 7°31' W., 8.38 chs. dist. to Angle Point 19, sec. 33; thence N. 6°10' E., 7.07 chs. dist. to Angle Point 20, sec. 33; thence N. 25°24' W., 3.65 chs. dist. to Angle Point 21, sec. 33; thence N. 57°15' W., 6.83 chs. dist. to Angle Point 22, sec. 33; thence N. 27°24' W., 6.47 chs. dist. to Angle Point 23, sec. 33; thence N. 0°01' W., 4.21 chs. dist. to Angle Point 24, sec. 33; thence N. 9°38' E., 6.47 chs. dist. to Angle Point 25, sec. 33; thence N. 63°43' E., 8.72 chs. dist. to Angle Point 26, sec. 33; thence N. 15°23' E., 4.70 chs. dist. to Angle Point 27, sec. 33; thence N.  $17^{\circ}36'$  E., 5.00 chs. dist. to Angle Point 28, sec. 33, identical with Angle Point 1, sec. 34,, on the line bet. secs. 33 and 34; thence N. 22°17' E., 2.78 chs. dist. to Angle Point 2, sec. 34; thence N. 17°07' W., 2.25 chs. dist. to Angle Point 3, sec. 34, identical with Angle Point 1, sec. 27, on the line bet. secs. 27 and 34; thence N. 17°07' W., 1.21 chs. dist. to Angle Point 2, sec. 27; thence N. 8°19' E., 2.91 chs. dist. to Angle Point 3, sec. 27; thence N. 81°01' E., 5.64 chs. dist. to Angle Point 4, sec. 27; thence N. 46°28' E., 4.30 chs. dist. to Angle Point 5, sec. 27; thence N. 35°21' E., 3.09 chs. dist. to Angle Point 6, sec. 27; thence S. 86°24' E., 19.90 chs. dist. to Angle Point 7, sec. 27; thence S. 27°22' E., 8.13 chs. dist. to Angle Point 8, sec. 27; thence N. 89°28' E., 11.51 chs. dist. to Angle Point 9, sec. 27; thence N. 87°58' E., 10.81 chs. dist. to Angle Point 10,

thence N. 73°34' E., 3.68 chs. dist. to Angle Point 11, sec. 27;

sec. 27;

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CHAINS
         thence N. 0°52' E., 9.57 chs. dist. to Angle Point 12, sec. 27;
         thence S. 86°04' E., 7.18 chs. dist. to Angle Point 13, sec. 27;
         thence S. 34°02' E., 3.25 chs. dist. to Angle Point 14, sec. 27;
         thence S. 9°50' E., 4.89 chs. dist. to Angle Point 15, sec. 27;
         thence S. 41°11' E., 5.16 chs. dist. to Angle Point 16, sec. 27;
         thence S. 48°03' E., 1.45 chs. dist. to Angle Point 17, sec. 27,
             identical with Angle Point 4, sec. 34, on the line bet. secs.
             27 and 34;
         thence S. 48°03' E., 4.42 chs. dist., to Angle Point 5, sec. 34;
         thence S. 70°41' E., 2.14 chs. dist., to Angle Point 6, sec. 34,
             identical with Angle Point 1, sec. 35, on the line bet. secs.
             34 and 35;
         thence S. 70°41' E., 1.05 chs. dist., to Angle Point 2, sec. 35;
         thence S. 41°14' E., 5.31 chs. dist., to Angle Point 3, sec. 35;
         thence S. 80°43' E., 5.07 chs. dist., to Angle Point 4, sec. 35;
         thence S. 9°43' E., 2.09 chs. dist., to Angle Point 5, sec. 35;
         thence S. 42°47' W., 2.92 chs. dist., to Angle Point 6, sec. 35;
         thence N. 82°21' E., 7.15 chs. dist., to Angle Point 7, sec. 35;
         thence N. 2°45' W., 5.25 chs. dist., to Angle Point 8, sec. 35;
         thence N. 84°35' E., 4.07 chs. dist., to Angle Point 9, sec. 35;
         thence N. 59°10' E., 3.74 chs. dist., to Angle Point 10,
             sec. 35;
         thence N. 47°44' W., 6.74 chs. dist., to Angle Point 11,
             sec. 35, identical with Angle Point 1, sec. 26,, on the line
             bet. secs. 26 and 35;
         thence N. 17°45' W., 1.91 chs. dist., to Angle Point 2, sec. 26;
         thence N. 68°03' E., 4.16 chs. dist., to Angle Point 3, sec. 26;
         thence N. 78°53' E., 5.19 chs. dist., to Angle Point 4, sec. 26;
         thence N. 56°15' E., 3.54 chs. dist., to Angle Point 5, sec. 26;
         thence N. 53°30' W., 6.79 chs. dist., to Angle Point 6, sec. 26;
         thence N. 36°39' W., 12.12 chs. dist., to Angle Point 7,
             sec. 26;
         thence N. 30°41' E., 8.63 chs. dist., to Angle Point 8, sec. 26;
         thence N. 3°41' W., 4.75 chs. dist., to Angle Point 9, sec. 26;
                     74°28' W., 8.12 chs. dist., to Angle Point 10,
         thence N.
             sec. 26;
         thence N. 46°49' W.,
                                 9.12 chs. dist., to Angle Point 11,
             sec. 26;
         thence N. 15°47' W., 5.63 chs.
                                            dist., to Angle Point 12,
             sec. 26;
         thence N. 0°14' W., 7.18 chs. dist., to Angle Point 13, sec. 26;
         thence N. 42°17' E., 6.39 chs. dist., to Angle Point 14,
             sec. 26;
                            E., 5.39 chs. dist., to Angle Point 15,
         thence N. 22°08'
             sec. 26;
                            E., 11.06 chs. dist., to Angle Point 16,
         thence N. 55°42'
             sec. 26;
                                 5.26 chs.
                                             dist., to Angle
         thence N. 64°12'
                            Ε.,
                                                               Point 17,
             sec. 26;
                                             dist., to Angle Point 18,
                            E.,
                                 5.94 chs.
         thence N.
                     72°41′
             sec. 26;
         thence N. 10°06' W., 4.18 chs. dist., to Angle Point 19,
             sec. 26;
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Tps. 7 S., Rs. 18 and 19 E. and

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CHAINS
         thence S. 69°50' E., 5.16 chs. dist., to Angle Point 20,
            sec. 26;
         thence N. 14°52' E., 4.67 chs. dist., to Angle Point 21,
            sec. 26, identical with Angle Point 1, sec. 23, on the line
            bet. secs. 23 and 26;
         thence N. 14°52' E., 1.92 chs. dist., to Angle Point 2, sec. 23;
         thence N. 16°24' E., 8.44 chs. dist., to Angle Point 3, sec. 23;
         thence S. 87°33' E., 7.32 chs. dist., to Angle Point 4, sec. 23;
         thence N. 27°02' E., 4.27 chs. dist., to Angle Point 5, sec. 23;
         thence N. 89°47' E., 1.64 chs. dist., to Angle Point 6, sec. 23;
         thence S. 44°10' E., 5.12 chs. dist., to Angle Point 7, sec. 23;
         thence N. 54°13' E., 6.81 chs. dist., to Angle Point 8, sec. 23;
         thence N. 29°43' E., 6.89 chs. dist., to Angle Point 9, sec. 23;
         thence N. 9°29' W., 4.70 chs. dist., to Angle Point 10, sec. 23;
         thence N. 44°37' W., 4.83 chs. dist., to Angle Point 11,
            sec. 23;
         thence N. 25°56' W., 7.40 chs. dist., to Angle Point 12,
            sec. 23;
         thence N. 80°00' W., 5.92 chs. dist., to Angle Point 13,
            sec. 23;
         thence N. 80°53' W., 6.94 chs. dist., to Angle Point 14,
            sec. 23;
         thence S. 76°30' W., 7.19 chs. dist., to Angle Point 15,
            sec. 23;
         thence N. 59°03' W., 3.06 chs. dist., to Angle Point 16,
            sec. 23;
         thence N. 27°49' W., 6.60 chs. dist., to Angle Point 17,
            sec. 23;
         thence N. 34°22' E., 5.17 chs. dist., to Angle Point 18,
            sec. 23;
         thence N. 17°06' E., 6.04 chs. dist., to Angle Point 19,
            sec. 23;
         thence N. 65°05' W., 4.69 chs. dist., to Angle Point 20,
            sec. 23;
         thence N. 46°38' W., 5.20 chs. dist., to Angle Point 21,
            sec. 23;
         thence N. 5°37' W., 2.54 chs. dist., to Angle Point 22, sec. 23;
         thence N. 18°14' E., 1.48 chs. dist., to Angle Point 23,
            sec. 23;
         thence S. 86°25' E., 3.01 chs. dist., to Angle Point
            sec. 23;
         thence S. 81°37' E., 2.36 chs. dist., to Angle Point 25,
         thence S. 3°16' W., 5.95 chs. dist., to Angle Point 26, sec. 23;
         thence S. 78°26' E., 3.54 chs. dist., to Angle Point 27,
            sec. 23;
         thence S. 20°30' E., 2.62 chs. dist., to Angle Point 28,
            sec. 23;
         thence S. 20°22' W., 7.56 chs. dist., to Angle Point 29,
            sec. 23;
         thence S. 16°52' W., 4.97 chs. dist., to Angle Point 30,
            sec. 23;
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CHAINS											l
	3	s. . 23		Ε.,	3.08	chs.	dist.,	to	Angle	Point	31,
	thence	N.	88°58′	Ε.,	11.70	chs.	dist.,	to	Angle	Point	32,
		. 23 S.		Ε.,	4.30	chs.	dist.,	to	Angle	Point	33,
		. 23 S		Ε.,	6.04	chs.	dist.,	to	Angle	Point	34,
	sec	. 23	;				dist.,		_		35,
	sec	. 23	;								
		s. . 23		Ε.,	13.01	chs.	dist.,	to	Angle	Point	36,
	1	s. . 23		W.,	3.82	chs.	dist.,	to	Angle	Point	37,
	thence	S.	29°43′	W.,	6.70	chs.	dist.,	to	Angle	Point	38,
	thence		63°06′	W.,	4.49	chs.	dist.,	to	Angle	Point	39,
		. 23 N.		W.,	2.33	chs.	dist.,	to	Angle	Point	40,
		. 23		W.,	4.72	chs.	dist.,	to	Angle	Point	41,
	sec	. 23	;				dist.,				42,
	sec	. 23	•								
	ì	s. . 23	71°47′ ;	W.,			dist.,				43,
	1	N. . 23	89°14′ :	W.,	4.99	chs.	dist.,	to	Angle	Point	44,
	thence		12°24′	W.,	5.28	chs.	dist.,	to	Angle	Point	45,
	thence	s.	17°13′	W.,	3.05	chs.	dist.,	to	Angle	Point	46,
į	1					ngre P	oint 22,	sec	26, 0	on the	TIME
			cs. 23								
	sec	. 26	;				dist.,				
	•	s.		W.,	5.08	chs.	dist.,	to	Angle	Point	24,
	thence		75°46′	W.,	6.54	chs.	dist.,	to	Angle	Point	25,
	thence	s.	51°55′	W.,	11.41	chs.	dist.,	to	Angle	Point	26,
	thence		45°10′	W.,	6.69	chs.	dist.,	to	Angle	Point	27,
	thence		24°41′	W.,	5.27	chs.	dist.,	to	Angle	Point	28,
		:. 26 s.		W.,	3.37	chs.	dist.,	to	Angle	Point	29,
	sec	. 26	; ;				, to Ang				
1	thongo	o 1	2025/ 12	, Δ. Δ	5 che	diet.	, to Ang	ile P	oint 31	. sec	26:
	thence	s.	49°49′				dist.,				
	thence		71°24′	E.,	7.98	chs.	dist.,	to	Angle	Point	33,
	sec	26	;								

198.	6 S., Rs.	1/	caru 19	5.,	Glia a	nd Sar	C VIAGE	Mer 1	.u.a., ,	AL LEVING	
CHAINS											
	§	s. 26		Ε.,	3.43	chs.	dist.,	to	Angle	Point	34,
				E 1	2 aha	diet	, to Ang	1 a D	oint 35	Sec	26.
	thence	о.	200/01	M 2.T	Q AA	che	dist.,	+0	Angle	Point	36,
	sec.	. 26	;								
		S. 26		Ε.,	11.10	chs.	dist.,	to	Angle	Point	37,
	thence		56°33′	Ε.,	6.24	chs.	dist.,	to	Angle	Point	38,
	thence	s.	10°49′	Ε.,	2.20	chs.	dist.,	to	Angle	Point	39,
		. 26					33		31-	Doine	40
	5	S. 26		W.,	6.66	cns.	dist.,	to	Angle	Point	40,
	thence	s.	81°32′	W.,	5.63	chs.	dist.,	to	Angle	Point	41,
	sec.	. 26	, identi	cal	with A	ngle F	Point 12	, se	c 35, c	on the	line
			cs. 26 a								
	3	s. 35		Ε.,	4.51	chs.	dist.,	to	Angle	Point	13,
	thence		24°20′	Ε.,	5.40	chs.	dist.,	to	Angle	Point	14,
	thence	N.	82°37′	W.,	4.57	chs.	dist.,	to	Angle	Point	15,
		. 35 S.		W.,	8.08	chs.	dist.,	to	Angle	Point	16,
		. 35 s.		W.,	8.16	chs.	dist.,	to	Angle	Point	17,
		. 35									
	•	s. . 35		W.,	10.35	chs.	dist.,	to	Angle	Point	18,
	thence		35°10′	Ε.,	5.87	chs.	dist.,	to	Angle	Point	19,
	thence		79°47′	Ε.,	7.27	chs.	dist.,	to	Angle	Point	20,
	thence	s.	78°59′	Ε.,	3.76	chs.	dist.,	to	Angle	Point	21,
	thence		31°19′	Ε.,	13.21	chs.	dist.,	to	Angle	Point	22,
	thence		37°07′	Ε.,	5.17	chs.	dist.,	to	Angle	Point	23,
	sec thence	. 35 s.	; 21°43′	Ε.,	10.80	chs.	dist.,	to	Angle	Point	24,
1	sec	. 35	;								
	thence		64°46′	Ε.,	7.81	chs.	dist.,	to	Angle	Point	25,
	thence	s.	61°07′	Ε.,	6.69	chs.	dist.,	to	Angle	Point	26,
	thence		38°56′	Ε.,	5.36	chs.	dist.,	to	Angle	Point	27,
1		. 35		_		•	• • •			<b>5</b>	0.0
	1	S. . 35	18°29′ ;	Ε.,	4.93	chs.	dist.,	to	Angle	Point	28,
1				W.,	8.98	chs.	dist.,	to	Angle	Point	29,
							oint 1,		-		
							nd 35,				
									en antendamento en estado el contrato		
1	t										

Tps. 7 S., Rs. 18 and 19 E. and

Tps. 6 S., Rs. 17 thru 19 E., Gila and Salt River Meridian, Arizona

CHAINS

### In Township 7 South, Range 18 East

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From Angle Point 1, sec. 2, identical with Angle Point 29,
sec. 35, T. 6 S., R. 18 E., on the line bet. secs. 2 and 35, on
the N. bdy. of the Tp.
thence S. 1°23' W., 7.11 chs. dist., to Angle Point 2, sec. 2;
thence S. 41°15' E., 7.27 chs. dist., to Angle Point 3, sec. 2;
thence S. 9°54' E., 8.14 chs. dist., to Angle Point 4, sec. 2;
thence S. 10°36' W., 7.88 chs. dist., to Angle Point 5, sec. 2;
thence S. 6°56' W., 4.62 chs. dist., to Angle Point 6, sec. 2;
thence S. 21°42' W., 1.78 chs. dist., to Angle Point 7, sec. 2;
thence S. 31°22' E., 9.72 chs. dist., to Angle Point 8, sec. 2;
thence S. 25°24' E., 1.98 chs. dist., to Angle Point 9, sec. 2;
thence S. 14°43' W., 4.67 chs. dist., to Angle Point 10, sec. 2;
thence S. 28°20' W., 3.62 chs. dist., to Angle Point 11, sec. 2;
thence S. 31°10' W., 15.38 chs. dist., to Angle Point 12,
   sec. 2;
thence S. 32°55' W., 5.25 chs. dist., to Angle Point 13, sec. 2;
thence S. 58°25' W., 4.26 chs. dist., to Angle Point 14, sec. 2;
thence S. 38°29' W., 8.91 chs. dist., to Angle Point 15, sec. 2;
thence S. 2°39' W., 6.42 chs. dist., to Angle Point 16, sec. 2,
   identical with Angle Point 1, sec. 11, on the line bet.
   secs. 2 and 11;
thence S. 13°42' W., 11.00 chs. dist., to Angle Point 2,
   sec. 11;
thence S. 53°30' W., 7.82 chs. dist., to Angle Point 3, sec. 11;
thence S. 41°38' W., 3.63 chs. dist., to Angle Point 4, sec. 11;
thence S. 3°14' E., 5.43 chs. dist., to Angle Point 5, sec. 11;
thence S. 40°40' E., 7.52 chs. dist., to Angle Point 6, sec. 11;
thence S. 34°10' W., 11.59 chs. dist., to Angle Point 7,
   sec. 11;
thence S. 19°09' E., 7.23 chs. dist., to Angle Point 8, sec. 11;
thence S. 45°55' E., 1.98 chs. dist., to Angle Point 9, sec. 11;
thence S. 37°34' W., 4.49 chs. dist., to Angle Point 10,
   sec. 11;
thence S. 11°04' E., 7.83 chs. dist., to Angle Point 11,
   sec. 11;
thence S. 1°48' W., 8.32 chs. dist., to Angle Point 12, sec. 11;
thence S. 46°28' W., 3.86 chs. dist., to Angle Point 13,
   sec. 11;
thence S. 9°11' E., 8.35 chs. dist., to Angle Point 14, sec. 11;
thence S. 41°10′ W., 3.56 chs. dist., to Angle Point 15, sec. 11, identical with Angle Point 1, sec. 14, on the line
   bet. secs. 11 and 14;
thence S. 16°05' W., 5.31 chs. dist., to Angle Point 2, sec. 14;
thence S. 27°25' E., 9.15 chs. dist., to Angle Point 3, sec. 14;
thence S. 25°51' E., 9.38 chs. dist., to Angle Point 4, sec. 14;
thence S. 8°45' E., 13.47 chs. dist., to Angle Point 5, sec. 14;
thence N. 89°56' E., 2.42 chs. dist., to Angle Point 6, sec. 14;
thence N. 89°57' E., 4.95 chs. dist., to Angle Point 7, sec. 14;
thence S. 0°14' E., 1.69 chs. dist., to Angle Point 8, sec. 14;
thence S. 75°36' E., 9.06 chs. dist., to Angle Point 9, sec. 14;
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CHAINS
                                           dist., to Angle Point 10,
                           E., 8.09 chs.
         thence S. 79°45'
            sec. 14;
                                5.11 chs. dist., to Angle Point 11,
         thence N. 51°28'
                            Ε.,
            sec. 14;
                                9.31 chs. dist., to Angle Point 12,
         thence N. 51°13'
                            W.,
            sec. 14;
                                2.55 chs. dist., to Angle Point 13,
         thence N. 13°01'
                            Ε.,
            sec. 14;
                                4.60 chs. dist., to
                                                       Angle Point
                                                                    14,
         thence S. 67°29' E.,
            sec. 14;
                                6.72 chs. dist., to Angle Point 15,
         thence S. 87°33'
                           Ε.,
            sec. 14;
                                2.85 chs. dist., to Angle Point 16,
         thence N. 50°39' E.,
            sec. 14;
                                8.54 chs. dist., to Angle Point
                                                                   17,
         thence N. 54°16'
                           E.,
            sec. 14;
         thence N. 67°49' E., 8.21 chs. dist., to Angle Point 18,
            sec. 14;
         thence S. 85°14' E., 3.21 chs. dist., to Angle Point 19,
            sec. 14, identical with Angle Point 1, sec. 13,, on the line
            bet. secs. 13 and 14;
         thence S. 86°50' E., 6.43 chs. dist., to Angle Point 2, sec. 13;
         thence N. 72°48' E., 4.91 chs. dist., to Angle Point 3, sec. 13;
         thence N. 74°37' E., 4.98 chs. dist., to Angle Point 4, sec. 13;
         thence N. 46°45' E., 1.85 chs. dist., to Angle Point 5, sec. 13;
         thence N. 1°08' W., 7.91 chs. dist., to Angle Point 6, sec. 13;
         thence N. 89°07' W., 4.76 chs. dist., to Angle Point 7, sec. 13;
         thence N. 0°45' W., 6.57 chs. dist., to Angle Point 8, sec. 13;
         thence N. 26°46' W., 3.37 chs. dist., to Angle Point 9, sec. 13,
             identical with Angle Point 1, sec. 12,, on the line bet.
             secs. 12 and 13;
         thence N. 76°27' W., 3.79 chs. dist., to Angle Point 2, sec. 12;
         thence N. 51°07' W., 7.27 chs. dist., to Angle Point 3, sec. 12;
         thence N. 17°45' E., 8.31 chs. dist., to Angle Point 4, sec. 12;
         thence N. 42°11' E., 6.88 chs. dist., to Angle Point 5, sec. 12;
         thence N. 67°49' E., 11.59 chs. dist., to Angle Point 6,
             sec. 12;
         thence N. 23°18' E., 2.50 chs. dist., to Angle Point 7, sec. 12;
         thence N. 65°47' E., 9.35 chs. dist., to Angle Point 8, sec. 12;
         thence N. 44°52' E., 19.95 chs. dist., to Angle Point 9,
             sec. 12;
         thence N. 58°37' E., 6.64 chs. dist., to Angle Point 10,
             sec. 12;
         thence N. 40°44' E., 5.90 chs. dist., to Angle Point 11,
             sec. 12;
         thence N. 9°58' E., 6.75 chs. dist., to Angle Point 12, sec. 12;
         thence N. 1°17' E., 6.86 chs. dist., to Angle Point 13, sec. 12;
         thence S. 77°31' E., 3.50 chs. dist., to Angle Point 14,
             sec. 12;
         thence N. 45°53' E., 6.77 chs. dist., to Angle Point 15,
             sec. 12;
         thence N. 68°44' E., 5.83 chs. dist., to Angle Point 16,
             sec. 12;
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Tps. 6 S., Rs. 17 thru 19 E., Gila and Salt River Meridian, Arizona

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CHAINS
          thence N. 10°42' W., 9.34 chs. dist., to Angle Point 17,
             sec. 12, identical with Angle Point 1, sec. 1, on the line
             bet. secs. 1 and 12;
          thence N. 11°51' W., 2.54 chs. dist., to Angle Point 2, sec. 1;
          thence N. 38°01' E., 8.90 chs. dist., to Angle Point 3, sec. 1;
          thence N. 77°30' W., 2.29 chs. dist., to Angle Point 4, sec. 1;
          thence N. 12°35' E., 3.16 chs. dist., to Angle Point 5, sec. 1;
          thence N. 25°17' E., 2.20 chs. dist., to Angle Point 6, sec. 1;
          thence N. 29°26' W., 3.75 chs. dist., to Angle Point 7, sec. 1;
          thence N. 17°38' W., 5.80 chs. dist., to Angle Point 8, sec. 1;
          thence N. 59°20' W., 2.24 chs. dist., to Angle Point 9, sec. 1;
          thence N. 32°08' W., 6.37 chs. dist., to Angle Point 10, sec. 1;
          thence S. 53°53' W., 6.67 chs. dist., to Angle Point 11, sec. 1;
          thence S. 72°53' W., 2.95 chs. dist., to Angle Point 12, sec. 1;
          thence S. 77°38' W., 3.72 chs. dist., to Angle Point 13, sec. 1;
          thence S. 79°26' W., 5.52 chs. dist., to Angle Point 14, sec. 1;
          thence N. 25°16' W., 4.34 chs. dist., to Angle Point 15, sec. 1;
          thence S. 15°18' W., 2.18 chs. dist., to Angle Point 16, sec. 1;
          thence S. 73°32' W., 2.34 chs. dist., to Angle Point 17, sec. 1;
          thence N. 47°12' W., 5.24 chs. dist., to Angle Point 18, sec. 1;
          thence N. 14°29' W., 5.13 chs. dist., to Angle Point 19, sec. 1;
          thence S. 69°39' W., 4.24 chs. dist., to Angle Point 20, sec. 1;
          thence N. 33°18' W., 5.62 chs. dist., to Angle Point 21, sec. 1;
          thence N. 61°45' E., 4.39 chs. dist., to Angle Point 22, sec. 1;
          thence S. 43°44' E., 6.78 chs. dist., to Angle Point 23, sec. 1;
          thence S. 11°41' E., 4.48 chs. dist., to Angle Point 24, sec. 1;
          thence S. 44°58' E., 3.34 chs. dist., to Angle Point 25, sec. 1;
          thence N. 57°25' E., 5.05 chs. dist., to Angle Point 26, sec. 1;
          thence S. 20°18' E., 4.80 chs. dist., to Angle Point 27, sec. 1;
          thence N. 77°27' E., 9.00 chs. dist., to Angle Point 28, sec. 1;
          thence N. 57°07' E., 11.52 chs. dist., to Angle Point 29,
             sec. 1;
          thence S. 17°24' E., 8.29 chs. dist., to Angle Point 30, sec. 1;
          thence S. 77°59' E., 1.58 chs. dist., to Angle Point 31, sec. 1;
          thence S. 20°37' E., 11.47 chs. dist., to Angle Point 32,
             sec. 1;
          thence S. 9°48' E., 5.16 chs. dist., to Angle Point 33, sec. 1;
          thence S. 24°45' E., 2.98 chs. dist., to Angle Point 34, sec. 1;
          thence N. 72°46' E., 4.64 chs. dist., to Angle Point 35, sec. 1;
          thence N. 8°11' W., 15.25 chs. dist., to Angle Point 36, sec. 1;
          thence N. 9°02' W., 5.02 chs. dist., to Angle Point 37, sec. 1;
          thence N. 65°42' E., 6.29 chs. dist., to Angle Point 38, sec. 1,
              identical with Angle Point 1, sec. 6, T. 7 S., R. 18 E., on
             the line bet. secs. 1 and 6, on the E. bdy. of the Tp.
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#### In Township 7 South, Range 19 East

From Angle Point 1, sec. 6, identical with Angle Point 38, sec. 1, T. 7 S., R. 18 E., on the line bet. secs. 1 and 6, on the W. bdy. of the Tp.

thence N. 28°10' E., 8.48 chs. dist., to Angle Point 2, sec. 6;

Tps. 7 S., Rs. 18 and 19 E. and

Tps. 6 S., Rs. 17 thru 19 E., Gila and Salt River Meridian, Arizona

CHAINS

thence N. 48°37′ E., 5.26 chs. dist., to Angle Point 3, sec. 6; thence N. 21°58′ W., 9.80 chs. dist., to Angle Point 4, sec. 6; thence N. 42°31′ E., 4.77 chs. dist., to Angle Point 5, sec. 6; thence N. 2°55′ W., 12.30 chs. dist., to Angle Point 6, sec. 6; thence N. 27°27′ E., 4.60 chs. dist., to Angle Point 7, sec. 6; thence N. 1°42′ E., 6.83 chs. dist., to Angle Point 8, sec. 6; thence N. 33°00′ W., 4.60 chs. dist., to Angle Point 9, sec. 6; thence N. 13°51′ E., 4.63 chs. dist., to Angle Point 10, sec. 6, identical with Angle Point 1, sec. 31, T. 6 S., R. 19 E., on the line bet. secs. 6 and 31, on the N. bdy. of the Tp.

### In Township 6 South, Range 19 East

From Angle Point 1, sec. 31, identical with Angle Point 10, sec. 6, T. 7 S., R. 19 E., on the line bet. secs. 6 and 31, on the S. bdy. of the Tp.

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thence N. 29°18' W., 3.41 chs. dist., to Angle Point 2, sec. 31;
thence N. 1°38' E., 2.01 chs. dist., to Angle Point 3, sec. 31;
thence S. 75°51' E., 1.52 chs. dist., to Angle Point 4, sec. 31;
thence S. 50°28' E., 3.31 chs. dist., to Angle Point 5, sec. 31;
thence N. 19°38' W., 5.51 chs. dist., to Angle Point 6, sec. 31;
thence N. 9°54' W., 2.17 chs. dist., to Angle Point 7, sec. 31;
thence N. 13°12' E., 3.80 chs. dist., to Angle Point 8, sec. 31;
thence N. 20°54' E., 4.76 chs. dist., to Angle Point 9, sec. 31;
thence N. 30°25' E., 10.62 chs. dist., to Angle Point 10,
   sec. 31;
thence N. 74°32'
                  E., 1.36 chs. dist., to Angle Point 11,
   sec. 31;
thence S. 35°10' E., 1.24 chs. dist., to Angle Point 12,
   sec. 31;
thence S. 25°36'
                  E., 3.26 chs.
                                  dist., to Angle Point 13,
   sec. 31;
thence N. 79°27'
                  E., 13.46 chs. dist., to Angle Point 14,
   sec. 31;
thence S. 86°04' E., 11.18 chs.
                                  dist., to Angle Point 15,
   sec. 31;
thence S. 35°27'
                  Ε.,
                       3.18 chs.
                                  dist., to Angle Point 16,
   sec. 31;
thence N. 88°53'
                  Ε.,
                       7.03 chs.
                                 dist., to Angle Point 17,
   sec. 31;
thence S. 27°46'
                       4.45 chs.
                                  dist., to Angle Point 18,
                  E.,
   sec. 31;
thence N. 58°54' E., 3.46 chs. dist., to Angle Point 19,
   sec. 31;
thence S. 70°56' E., 2.69 chs. dist., to Angle Point 20,
   sec. 31, identical with Angle Point 1, sec. 32, on the line
   bet. secs. 31 and 32;
thence S. 55°37' E., 3.99 chs. dist., to Angle Point 2, sec. 32;
thence N. 87°45' E., 6.57 chs. dist., to Angle Point 3, sec. 32;
thence N. 84°31' E., 6.29 chs. dist., to Angle Point 4, sec. 32;
thence N. 43°05' E., 3.43 chs. dist., to Angle Point 5, sec. 32;
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CHAINS
         thence S. 80°15' E., 1.96 chs. dist., to Angle Point 6, sec. 32;
         thence S. 3°25' E., 2.16 chs. dist., to Angle Point 7, sec. 32;
         thence N. 56°40' E., 3.86 chs. dist., to Angle Point 8, sec. 32;
         thence N. 21°20' W., 3.44 chs. dist., to Angle Point 9, sec. 32;
         thence N. 58°27' W., 13.65 chs. dist., to Angle Point 10,
             sec. 32;
         thence N. 18°01' W., 5.48 chs. dist., to Angle Point 11,
             sec. 32;
         thence N. 26°28' W., 10.45 chs. dist., to Angle Point 12,
             sec. 32;
         thence N. 54°19' W., 5.60 chs. dist., to Angle Point 13,
             sec. 32, identical with Angle Point 21, sec. 31, on the line
             bet. secs. 31 and 32;
         thence N. 53°20' W., 8.93 chs. dist., to Angle Point 22,
             sec. 31;
         thence N. 11°57' W., 2.91 chs. dist., to Angle Point 23,
             sec. 31;
         thence N. 5°30' E., 8.26 chs. dist., to Angle Point 24, sec. 31;
         thence N. 9°50' W., 6.77 chs. dist., to Angle Point 25, sec. 31;
         thence N. 22°00' W., 8.87 chs. dist., to Angle Point 26, sec.
             31, identical with Angle Point 1, sec. 30, on the line bet.
             secs. 30 and 31;
         thence N. 27°48' E., 9.96 chs. dist., to Angle Point 2, sec. 30;
         thence N. 20°11' E., 7.37 chs. dist., to Angle Point 3, sec. 30;
         thence N. 35°19' W., 14.31 chs. dist., to Angle Point 4, sec.
         thence N. 18°53' E., 8.84 chs. dist., to Angle Point 5, sec. 30;
         thence N. 1°50' W., 22.04 chs. dist., to Angle Point 6, sec. 30;
         thence N. 45°35' W., 9.99 chs. dist., to Angle Point 7, sec. 30;
         thence N. 16°14' W., 9.08 chs. dist., to Angle Point 8, sec. 30;
         thence N. 7°52' W., 2.81 chs. dist., to Angle Point 9, sec. 30,
             identical with Angle Point 1, sec. 19, on the line bet. secs.
             19 and 30;
         thence N. 7°52' W., 10.79 chs. dist., to Angle Point 2, sec. 19;
          thence N. 20°41' W., 5.26 chs. dist., to Angle Point 3, sec. 19;
          thence N. 0°05' E., 6.61 chs. dist., to Angle Point 4, sec. 19;
          thence N. 53°33' W., 17.10 chs. dist., to Angle Point 5,
             sec. 19;
          thence N. 21°44' W., 8.08 chs. dist., to Angle Point 6, sec. 19,
             identical with the true point for the center 1/4 sec. cor. of
             sec. 19;
          thence N. 0°07' E., 39.95 chs. dist., on the N. and S. center
             line of sec. 19, to the 1/4 sec. cor. of secs. 18 and 19;
          thence S. 89°56' E., 6.74 chs. dist., bet. secs. 18 and 19, to
             Angle Point 1, sec. 18;
          thence N. 40°30' E., 5.05 chs. dist., to Angle Point 2, sec. 18;
          thence N. 18°11' W., 14.91 chs. dist., to Angle Point 3,
             sec. 18;
          thence N. 22°13' E., 12.10 chs. dist., to Angle Point 4,
             sec. 18;
          thence N. 42°24' W., 6.71 chs. dist., to Angle Point 5, sec. 18;
          thence N. 3°28' E., 3.66 chs. dist., to Angle Point 6, sec. 18;
          thence S. 89°43' W., 11.83 chs. dist., to Angle Point 7,
             sec. 18;
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Tps. 7 S., Rs. 18 and 19 E. and

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CHAINS
         thence N. 45°06' W., 2.46 chs. dist., to Angle Point 8, sec. 18;
         thence N. 19°20' E., 3.50 chs. dist., to Angle Point 9, sec. 18;
         thence N. 84°51' E., 5.54 chs. dist., to Angle Point 10,
             sec. 18;
                                             dist., to Angle Point 11,
         thence S. 53°09'
                            W., 6.29 chs.
             sec. 18;
                                 11.46 chs. dist., to Angle Point 12,
         thence S. 87°06'
                            Ε.,
                                 5.19 chs.
                                            dist., to Angle
                                                               Point
         thence N. 42°43'
                            Ε.,
             sec. 18;
                                            dist., to Angle Point 14,
         thence N. 82°33'
                            Ε.,
                                 4.16 chs.
             sec. 18;
         thence N. 32°10'
                            Ε.,
                                 4.37 chs.
                                            dist., to Angle Point
             sec. 18;
                                 17.87 chs. dist., to Angle Point 16,
         thence N. 52°11'
                            Ε.,
             sec. 18;
         thence N. 19°03' E., 7.57 chs. dist., to Angle Point 17,
             sec. 18;
         thence N. 64°43' E., 9.05 chs. dist., to Angle Point 18,
             sec. 18, identical with Angle Point 1, sec. 17, on the line
             bet. secs. 17 and 18;
         thence N. 63°40' E., 8.72 chs. dist., to Angle Point 2, sec. 17;
         thence N. 24°59' E., 3.66 chs. dist., to Angle Point 3, sec. 17;
         thence N. 72°13' E., 3.90 chs. dist., to Angle Point 4, sec. 17;
         thence N. 31°24' E., 3.00 chs. dist., to Angle Point 5, sec. 17,
             identical with Angle Point 1, sec. 8, on the line bet. secs.
         thence N. 49°52' E., 6.90 chs. dist., to Angle Point 2, sec. 8;
         thence N. 88°11' E., 2.48 chs. dist., to Angle Point 3, sec. 8;
         thence N. 17°53' E., 2.74 chs. dist., to Angle Point 4, sec. 8;
         thence N. 44°28' E., 2.16 chs. dist., to Angle Point 5, sec. 8;
         thence S. 87°54' E., 3.67 chs. dist., to Angle Point 6, sec. 8;
         thence N. 31°18' E., 3.59 chs. dist., to Angle Point 7, sec. 8;
         thence N. 57°43' E., 1.94 chs. dist., to Angle Point 8, sec. 8;
         thence N. 78°51' E., 1.37 chs. dist., to Angle Point 9, sec. 8;
         thence N. 16°00' E., 4.51 chs. dist., to Angle Point 10, sec. 8;
         thence N. 33°53' W., 3.75 chs. dist., to Angle Point 11, sec. 8;
         thence N. 9°58' W., 2.50 chs. dist., to Angle Point 12, sec. 8;
         thence N. 39°08' E., 5.28 chs. dist., to Angle Point 13, sec. 8;
         thence N. 57°08' W., 4.18 chs. dist., to Angle Point 14, sec. 8;
         thence N. 30°27' W., 4.20 chs. dist., to Angle Point 15, sec. 8;
         thence N. 69°38' W., 4.64 chs. dist., to Angle Point 16, sec. 8;
         thence N. 36°18' W., 8.60 chs. dist., to Angle Point 17, sec. 8;
         thence N. 84°11' W., 18.25 chs. dist., to Angle Point 18,
             sec. 8;
         thence N. 22°52' W., 12.54 chs. dist., to Angle Point 19,
             sec. 8, identical with Angle Point 1, sec. 7, on the line
             bet. secs. 7 and 8;
         thence N. 74°04' W., 9.69 chs. dist., to Angle Point 2, sec. 7;
         thence N. 4°48' E., 7.95 chs. dist., to Angle Point 3, sec. 7;
         thence N. 37°09' W., 8.34 chs. dist., to Angle Point 4, sec. 7;
         thence N. 17°48' E., 10.70 chs. dist., to Angle Point 5, sec. 7,
             identical with Angle Point 6, sec. 7, on the line bet. secs.
             6 and 7;
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### Tps. 6 S., Rs. 17 thru 19 E., Gila and Salt River Meridian, Arizona

CHAINS

thence S. 41°09' W., 5.36 chs. dist., to Angle Point 7, sec. 7; thence S. 72°02' W., 6.15 chs. dist., to Angle Point 8, sec. 7, identical with Angle Point 1, sec. 12, T. 6 S., R. 18 E., on the line bet. secs. 7 and 12, on the W. bdy. of the Tp.

### In Township 6 South, Range 18 East

From Angle Point 1, sec. 12, identical with Angle Point 8, sec. 7, T. 6 S., R. 19 E., on the line bet. secs. 7 and 12, on the E. bdy. of the Tp.

thence S. 41°08' W., 3.04 chs. dist., to Angle Point 2, sec. 12; thence S. 74°25' W., 8.38 chs. dist., to Angle Point 3, sec. 12; thence S. 50°21' W., 13.00 chs. dist., to Angle Point 4, sec. 12;

thence S. 28°55' W., 7.96 chs. dist., to Angle Point 5, sec. 12;

thence S. 24°18' W., 6.50 chs. dist., to Angle Point 6, sec. 12;

thence S. 46°26' W., 8.75 chs. dist., to Angle Point 7, sec. 12; thence S. 63°31' W., 15.42 chs. dist., to Angle Point 8.

thence S. 63°31' W., 15.42 chs. dist., to Angle Point 8, sec. 12;

thence S. 81°13′ W., 9.61 chs. dist., to Angle Point 9, sec. 12; thence S. 55°40′ W., 4.95 chs. dist., to Angle Point 10, sec. 12;

thence S. 61°20' W., 8.92 chs. dist., to Angle Point 11, sec. 12;

thence S. 17°16' W., 6.20 chs. dist., to Angle Point 12, sec. 12;

thence S. 54°06' E., 9.09 chs. dist., to Angle Point 13, sec. 12;

thence S. 38°08' W., 13.41 chs. dist., to Angle Point 14, sec. 12;

thence S. 61°28' W., 6.69 chs. dist., to Angle Point 15, sec. 12, identical with Angle Point 1, sec. 13, on the line bet. secs. 12 and 13;

thence S. 33°59' W., 5.52 chs. dist., to Angle Point 2, sec. 13, on the line bet. secs. 13 and 14;

thence S. 0°06' W., 15.35 chs. dist., bet secs. 13 and 14, to the N. 1/16 sec. cor. of secs. 13 and 14;

thence S. 89°58′ W., 39.93 chs. dist., on the E. and W. center line of the NE 1/4 of sec. 14, to the center N. 1/16 sec. cor. of sec. 14;

thence N. 0°07' W., 19.945 chs. dist., on the N. and S. center line of sec. 14, to the 1/4 sec. cor. of secs. 11 and 14, identical with Angle Point 1, sec. 11;

thence N. 89°59' E., 40.01 chs. dist., bet. secs. 11 and 14, to the cor. of secs. 11, 12, 13 and 14, identical with Angle Point 2, sec. 11, identical with Angle Point 16, sec. 12;

thence N. 36°40' E., 9.20 chs. dist., to Angle Point 17, sec. 12;

thence N. 20°24' E., 5.82 chs. dist., to Angle Point 18, sec. 12;

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CHAINS
         thence N. 41°09' W., 2.80 chs. dist., to Angle Point 19,
            sec. 12;
         thence N. 22°46' E., 9.41 chs. dist., to Angle Point 20,
            sec. 12;
         thence S. 73°50' W., 5.09 chs. dist., to Angle Point 21,
            sec. 12;
         thence S. 2°06' E., 7.67 chs. dist., to Angle Point 22, sec. 12;
         thence S. 54°44' W., 5.72 chs. dist., to Angle Point 23,
            sec. 12, identical with Angle Point 3, sec. 11, on the line
            bet. secs. 11 and 12;
         thence N. 63°05' W., 16.49 chs. dist., to Angle Point 4,
            sec. 11;
         thence N. 65°25' W., 6.32 chs. dist., to Angle Point 5, sec. 11;
         thence N. 45°57' W., 7.18 chs. dist., to Angle Point 6, sec. 11;
         thence N. 64°43' W., 9.56 chs. dist., to Angle Point 7, sec. 11;
         thence N. 15°36' W., 3.90 chs. dist., to Angle Point 8, sec. 11;
         thence N. 37°58' E., 10.07 chs. dist., to Angle Point 9,
            sec. 11;
         thence N. 4°51' E., 4.47 chs. dist., to Angle Point 10, sec. 11;
         thence N. 22°16' W., 8.64 chs. dist., to Angle Point 11,
            sec. 11;
         thence N. 28°49' W., 3.70 chs. dist., to Angle Point 12,
            sec. 11;
         thence N. 52°50' W., 1.60 chs. dist., to Angle Point 13,
            sec. 11;
         thence S. 62°48' W., 5.33 chs. dist., to Angle Point 14,
            sec. 11;
         thence S. 36°28' W., 3.92 chs. dist., to Angle Point 15,
            sec. 11;
         thence S. 10°23' W., 3.57 chs. dist., to Angle Point 16,
            sec. 11;
         thence S. 22°47' W., 4.42 chs. dist., to Angle Point 17,
            sec. 11;
         thence N. 87°08' W., 3.34 chs. dist., to Angle Point 18,
            sec. 11;
                               8.60 chs.
                                         dist., to Angle Point 19,
         thence S. 28°24' W.,
            sec. 11;
         thence S. 87°27' W.,
                               3.06 chs.
                                         dist., to Angle Point 20,
            sec. 11;
         thence S. 43°57' W.,
                               8.69 chs. dist., to Angle Point 21,
            sec. 11;
         thence S. 67°07' W., 5.83 chs. dist., to Angle Point 22,
            sec. 11;
         thence S. 70°52' W., 12.09 chs. dist., to Angle Point 23,
         thence S. 5°02' E., 0.88 chs. dist., to Angle Point 24, sec. 11;
         thence S. 77°58' W., 1.22 chs. dist., to Angle Point 25,
            sec. 11;
         thence N. 3°04' W., 1.80 chs. dist., to Angle Point 26, sec. 11;
         thence N. 75°05' E., 1.09 chs. dist., to Angle Point 27,
            sec. 11;
         thence N. 63°23' E., 7.31 chs. dist., to Angle Point 28,
            sec. 11;
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Tps. 7 S., Rs. 18 and 19 E. and

CHAINS	
C	thence N. 67°30' E., 3.50 chs. dist., to Angle Point 29, sec. 11;
	thence N. 77°24' E., 6.27 chs. dist., to Angle Point 30,
	sec. 11; thence N. 39°19' E., 5.86 chs. dist., to Angle Point 31,
	sec. 11; thence N. 54°14' E., 3.97 chs. dist., to Angle Point 32,
	sec. 11; thence S. 87°39' E., 2.35 chs. dist., to Angle Point 33,
	sec. 11;
	thence N. 32°45' E., 9.24 chs. dist., to Angle Point 34, sec. 11;
	thence S. 84°52' E., 3.03 chs. dist., to Angle Point 35, sec. 11;
	thence N. 22°03' E., 2.94 chs. dist., to Angle Point 36, sec. 11;
	thence N. 8°03' E., 2.22 chs. dist., to Angle Point 37, sec. 11;
	thence N. 53°49' W., 16.04 chs. dist., to Angle Point 38, sec. 11;
	thence N. 61°10' W., 2.90 chs. dist., to Angle Point 39, sec. 11;
	thence S. 64°00' W., 7.97 chs. dist., to Angle Point 40, sec. 11;
	thence N. 61°24' W., 8.47 chs. dist., to Angle Point 41,
	sec. 11; thence N. 14°32' W., 12.03 chs. dist., to Angle Point 42,
	sec. 11; thence S. 88°11' W., 3.56 chs. dist., to Angle Point 43,
	sec. 11, identical with Angle Point 1, sec. 10, on the line
	bet. secs. 10 and 11;
	thence S. 88°11' W., 7.42 chs. dist., to Angle Point 2, sec. 10;
	thence S. 49°10' E., 6.06 chs. dist., to Angle Point 3, sec. 10; thence N. 69°20' W., 3.20 chs. dist., to Angle Point 4, sec. 10;
	thence S. 83°06' W., 14.42 chs. dist., to Angle Point 5, sec. 10;
	thence N. 86°01' W., 6.99 chs. dist., to Angle Point 6, sec. 10;
	thence S. 13°25' W., 3.63 chs. dist., to Angle Point 7, sec. 10;
	thence S. 42°53' W., 3.34 chs. dist., to Angle Point 8, sec. 10;
	thence S. 70°51' W., 3.12 chs. dist., to Angle Point 9, sec. 10;
	thence S. 20°46' W., 3.40 chs. dist., to Angle Point 10, sec. 10;
	thence S. 34°09' E., 5.05 chs. dist., to Angle Point 11, sec. 10;
	thence S. 28°27' W., 9.38 chs. dist., to Angle Point 12, sec. 10;
	thence S. 70°38' W., 4.28 chs. dist., to Angle Point 13, sec. 10;
	thence S. 85°29' W., 3.22 chs. dist., to Angle Point 14,
	sec. 10; thence S. 52°18' W., 5.48 chs. dist., to Angle Point 15,
	sec. 10; thence S. 81°38' W., 4.84 chs. dist., to Angle Point 16,
	sec. 10;

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CHAINS
         thence S. 85°17'
                             W., 1.58 chs.
                                              dist., to Angle
                                                                Point
                                                                       17.
             sec. 10;
         thence S. 67°27'
                             W., 9.69 chs. dist., to Angle
                                                                Point 18,
             sec. 10;
         thence S. 74°11'
                             W., 7.97 chs. dist.,
                                                     to Angle
                                                               Point
                                                                       19,
             sec. 10;
         thence S. 36°35' W., 5.73 chs.
                                            dist.,
                                                     to Angle Point
                                                                       20,
             sec. 10;
         thence S. 78°01' W., 6.13 chs. dist., to Angle Point 21, sec. 10, identical with Angle Point 1, sec. 9, on the line
             bet. secs. 9 and 10;
         thence S. 49°46' W., 6.13 chs. dist., to Angle Point 2, sec. 9;
         thence S. 42°26' W., 6.05 chs. dist., to Angle Point 3, sec. 9;
         thence S. 35°20' W., 3.52 chs. dist., to Angle Point 4, sec. 9;
         thence S. 74°01' W., 2.03 chs. dist., to Angle Point 5, sec. 9;
         thence N. 36°14' E., 10.58 chs. dist., to Angle Point 6, sec. 9;
         thence N. 33°21' E., 5.60 chs. dist., to Angle Point 7, sec. 9;
         thence N. 16°38' W., 5.36 chs. dist., to Angle Point 8, sec. 9;
         thence N. 54°07' E., 4.84 chs. dist., to Angle Point 9, sec. 9;
         thence N. 6°20' W., 7.78 chs. dist., to Angle Point 10, sec. 9;
         thence N. 60°24' W., 10.17 chs. dist., to Angle Point 11,
             sec. 9;
         thence N. 31°21' E., 4.96 chs. dist., to Angle Point 12, sec. 9;
         thence S. 81°27' E., 8.27 chs. dist., to Angle Point 13, sec. 9,
             identical with Angle Point 22, sec. 10, on the line bet.
             secs. 9 and 10;
         thence N. 36°34' E., 4.36 chs. dist., to Angle Point 23,
             sec. 10;
         thence N. 1°45' E., 8.80 chs. dist., to Angle Point 24, sec. 10;
         thence N. 50°51' E., 7.65 chs. dist., to Angle Point 25,
             sec. 10;
         thence S. 82°06' E., 4.64 chs. dist., to Angle Point 26,
             sec. 10;
         thence N. 1°18' E., 7.58 chs. dist., to Angle Point 27, sec. 10;
         thence N. 9°15' E., 0.34 chs. dist., to Angle Point 28, sec. 10,
             identical with Angle Point 1, sec. 3, on the line bet. secs.
             3 and 10;
         thence N. 9°15' E., 12.77 chs. dist., to Angle Point 2, sec. 3;
         thence N. 8°20' E., 5.87 chs. dist., to Angle Point 3, sec. 3;
         thence N. 24°20' E., 6.33 chs. dist., to Angle Point 4, sec. 3;
         thence N. 71°23' E., 8.16 chs. dist., to Angle Point 5, sec. 3;
         thence N. 36^{\circ}26' E., 5.13 chs. dist., to Angle Point 6, sec. 3;
         thence N. 45°59' E., 8.37 chs. dist., to Angle Point 7, sec. 3;
         thence N. 1°34' W., 3.97 chs. dist., to Angle Point 8, sec. 3;
         thence N. 85°13' E., 4.15 chs. dist., to Angle Point 9, sec. 3,
             on the N. and S. center line of sec. 3;
         thence N. 0°02' W., 32.72 chs. dist., on the N. and S. center
             line of sec. 3, to the 1/4 sec. cor. of sec. 3 only, on the
             First Standard Parallel South;
         thence S. 89°55' W., 4.44 chs. dist., on the First Standard
             Parallel South, to the standard 1/4 sec. cor. of sec. 34;
         thence N. 89°59' W., 35.54 chs. dist., on the First Standard
             Parallel South to the closing cor. of secs. 3 and 4;
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Tps. 7 S., Rs. 18 and 19 E. and

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CHAINS
         thence N. 89°59' W., 4.41 chs. dist., on the First Standard
             Parallel South to the standard cor. of secs. 33 and 34;
         thence S. 89°43' W., 23.56 chs. dist., on the First Standard
             Parallel South to Angle Point 1, sec. 4;
         thence S. 28°00' W., 5.79 chs. dist., to Angle Point 2, sec. 4;
         thence S. 44°14′ W., 12.45 chs. dist., to Angle Point 3, sec. 4;
         thence S. 71°54' W., 24 55chs. dist., to Angle Point 4, sec. 4;
         thence S. 87°44' W., 6.85 chs. dist., to Angle Point 5, sec. 4;
         thence S. 26°00' E., 4.00 chs. dist., to Angle Point 6, sec. 4;
         thence S. 27°41' W., 1.95 chs. dist., to Angle Point 7, sec. 4;
         thence S. 56°56' E., 2.18 chs. dist., to Angle Point 8, sec. 4;
         thence S. 13°21' E., 2.62 chs. dist., to Angle Point 9, sec. 4;
         thence S. 22°48' W., 5.39 chs. dist., to Angle Point 10, sec. 4;
         thence S. 0°13' W., 7.10 chs. dist., to Angle Point 11, sec. 4;
         thence S. 17°39' E., 2.45 chs. dist., to Angle Point 12, sec. 4;
         thence S. 38°40' W., 5.07 chs. dist., to Angle Point 13, sec. 4;
         thence S. 86°17' W., 4.91 chs. dist., to Angle Point 14, sec. 4;
         thence S. 70°49' W., 4.67 chs. dist., to Angle Point 15, sec. 4,
             identical with Angle Point 1, sec. 5, on the line bet. secs.
             4 and 5;
         thence S. 38°16' W., 8.78 chs. dist., to Angle Point 2, sec. 5;
         thence S. 15°48' W., 2.91 chs. dist., to Angle Point 3, sec. 5;
         thence S. 12°01' E., 3.76 chs. dist., to Angle Point 4, sec. 5;
         thence S. 34°24' W., 7.00 chs. dist., to Angle Point 5, sec. 5;
         thence S. 44°45' W., 4.69 chs. dist., to Angle Point 6, sec. 5,
             identical with Angle Point 1, sec. 8, on the line bet. secs.
             5 and 8;
         thence S. 20°08' W., 8.14 chs. dist., to Angle Point 2, sec. 8;
         thence S. 26°05' W., 8.97 chs. dist., to Angle Point 3, sec. 8;
         thence S. 12°50' W., 8.60 chs. dist., to Angle Point 4, sec. 8;
         thence S. 67°28' E., 8.18 chs. dist., to Angle Point 5, sec. 8;
         thence S. 41°52' E., 5.22 chs. dist., to Angle Point 6, sec. 8;
         thence S. 27°29' E., 4.37 chs. dist., to Angle Point 7, sec. 8;
         thence S. 23°44′ W., 2.60 chs. dist., to Angle Point 8, sec. 8;
         thence S. 47°52' W., 5.06 chs. dist., to Angle Point 9, sec. 8;
         thence S. 49°47' W., 2.79 chs. dist., to Angle Point 10, sec. 8;
         thence N. 83°45' W., 4.89 chs. dist., to Angle Point 11, sec. 8;
         thence N. 78°14' W., 10.01 chs. dist., to Angle Point 12,
             sec. 8;
         thence S. 44°02' W., 4.81 chs. dist., to Angle Point 13, sec. 8;
         thence S. 29°22' W., 2.26 chs. dist., to Angle Point 14, sec. 8;
         thence S. 60°48' W., 3.89 chs. dist., to Angle Point 15, sec. 8;
         thence N. 87°26' W., 3.71 chs. dist., to Angle Point 16, sec. 8;
         thence N. 53°39' W., 8.66 chs. dist., to Angle Point 17, sec. 8;
         thence N. 31°43' W., 8.67 chs. dist., to Angle Point 18, sec. 8;
         thence N. 81°45' W., 4.77 chs. dist., to Angle Point 19, sec. 8;
         thence S. 86°47' W., 15.38 chs. dist., to Angle Point 20,
             sec. 8;
         thence S. 34°27' W., 4.35 chs. dist., to Angle Point 21, sec. 8;
         thence N. 33°06' W., 5.52 chs. dist., to Angle Point 22, sec. 8;
         thence S. 70°07' W., 1.51 chs. dist., to Angle Point 23, sec. 8,
             identical with Angle Point 1, sec. 7, on the line bet. secs.
             7 and 8;
         thence S. 88°49' W., 2.93 chs. dist., to Angle Point 2, sec. 7;
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Tps. 7 S., Rs. 18 and 19 E. and

Tps. 6 S., Rs. 17 thru 19 E., Gila and Salt River Meridian, Arizona

CHAINS

```
thence S. 29°19' W., 8.65 chs. dist., to Angle Point 2A, sec. 7;
thence S. 36°08' W., 3.72 chs. dist., to Angle Point 2B, sec. 7;
thence N. 51°21' W., 3.12 chs. dist., to Angle Point 2C, sec. 7;
thence N. 17°32' E., 2.62 chs. dist., to Angle Point 2D, sec. 7;
thence N. 19°13' E., 7.52 chs. dist., to Angle Point 2E, sec. 7;
thence N. 69°16' W., 1.53 chs. dist., to Angle Point 2F, sec. 7;
thence N. 0°14' E., 2.88 chs. dist., to Angle Point 3, sec. 7;
thence N. 26°25' W., 20.97 chs. dist., to Angle Point 4, sec. 7;
thence S. 75°53' W., 2.98 chs. dist., to Angle Point 5, sec. 7;
thence S. 84°39' W., 10.53 chs. dist., to Angle Point 6, sec. 7;
thence S. 81°30' W., 9.30 chs. dist., to Angle Point 7, sec. 7;
thence N. 43°04' W., 5.09 chs. dist., to Angle Point 8, sec. 7;
thence S. 73°15' W., 5.08 chs. dist., to Angle Point 9, sec. 7;
thence N. 81°26' W., 5.74 chs. dist., to Angle Point 10, sec. 7;
thence N. 60°07' W., 5.12 chs. dist., to Angle Point 11, sec. 7;
thence N. 66°56' W., 4.71 chs. dist., to Angle Point 12, sec. 7;
thence S. 27°36' W., 9.41 chs. dist., to Angle Point 13, sec. 7;
thence S. 71°52' W., 8.90 chs. dist., to Angle Point 14, sec. 7;
thence S. 42°14′ W., 3.72 chs. dist., to Angle Point 15, sec. 7;
thence S. 80°54' W., 4.91 chs. dist., to Angle Point 16, sec. 7;
thence S. 17°09' E., 1.40 chs. dist., to Angle Point 17, sec. 7;
thence S. 25°43' W., 3.16 chs. dist., to Angle Point 18, sec. 7,
   on the line bet. secs. 7 and 12, on the W. bdy. of the Tp.
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### In Township 6 South, Range 17 East

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From Angle Point 18, sec. 7, T. 6 S., R. 18 E., on the line bet.
secs. 7 and 12, on the E. bdy. of the Tp.
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thence S. 69°29' E., 5.73 chs. dist., to Angle Point 2, sec. 24;
thence S. 23°08' E., 2.84 chs. dist., to Angle Point 3, sec. 24;
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thence S. 0°01' E., 14.28 chs. dist., on the line bet. secs. 7 and 12, on the E. bdy. of the Tp., to the 1/4 sec. cor. of sec. 7, T. 6 S., R. 18 E. only;

thence S. 0°02' E., 6.27 chs. dist., on the line bet. secs. 7 and 12, on the E. bdy. of the Tp., to the true point for the 1/4 sec. cor. of sec. 12, T. 6 S., R. 17 E. only;

thence N. 89°26' W., 20.11 chs. dist., on the E. and W. center line of sec. 12, to the E. 1/16 sec. cor. of sec. 12;

thence S. 0°08' W., 39.35 chs. dist., on the N. and S. center line of the SE 1/4 of sec. 12, to the E. 1/16 sec. cor. of secs. 12 and 13;

thence S. 89°58' W., 19.97 chs. dist., on the line bet. secs. 12 and 13, to the 1/4 sec. cor. of secs. 12 and 13;

thence S. 0°02' W., 79.40 chs. dist., on the N. and S. center line of sec. 13, to the 1/4 sec. cor of secs. 13 and 24;

thence S. 0°52' W., 26.60 chs. dist., on the N. and S. center line of sec. 24, to Angle Point 1, sec. 24;

thence S. 83°00' E., 3.94 chs. dist., to Angle Point 4, sec. 24;

thence S. 1°17' W., 2.94 chs. dist., to Angle Point 5, sec. 24;

thence S. 62°12' W., 5.26 chs. dist., to Angle Point 6, sec. 24;

thence S. 47°55' W., 5.57 chs. dist., to Angle Point 7, sec. 24;

Tps. 6 S., Rs. 17 thru 19 E., Gila and Salt River Meridian, Arizona

CHAINS thence S. 32°59' W., 3.31 chs. dist., to Angle Point 8, sec. 24; thence S. 0°52' W., 12.94 chs. dist., on the N. and S. center line of sec. 24, to Angle Point 9, sec. 24; thence N. 71°14' E., 1.96 chs. dist., to Angle Point 10, sec. 24; thence S. 56°56' E., 5.45 chs. dist., to Angle Point 11, sec. 24; thence S. 88°36' E., 4.90 chs. dist., to Angle Point 12, sec. 24; thence S. 50°18' E., 5.89 chs. dist., to Angle Point 13. sec. 24; thence S. 45°52' E., 6.24 chs. dist., to Angle Point 14, sec. 24; dist., to Angle thence S. 77°17' E., 4.45 chs. Point 15, sec. 24; thence N. 60°03' E., 2.87 chs. dist., to Angle Point 16, sec. 24; thence S. 52°27' E., 7.87 chs. dist., to Angle Point 17, sec. 24; thence S. 41°48' E., 5.40 chs. dist., to Angle Point 18, sec. 24;

### In Township 6 South, Range 18 East

the Tp.

thence N. 80°08' E., 4.17 chs. dist., to Angle Point 19, sec. 24, identical with Angle Point 1, sec. 19, T. 6 S., R. 18 E., on the line bet. secs. 19 and 24, on the E. bdy. of

From Angle Point 1, sec. 19, identical with Angle Point 19, sec. 24, T. 6 S., R. 17 E., on the line bet. secs. 19 and 24, on the W. bdy. of the Tp.

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thence N. 48°53' E., 3.09 chs. dist., Angle Point 2, sec. 19;
thence N. 75°23' E., 9.28 chs. dist., Angle Point 3, sec. 19;
thence S. 46°01' E., 3.16 chs. dist., Angle Point 4, sec. 19;
thence S. 45°39' W., 3.79 chs. dist., Angle Point 5, sec. 19,
   identical with Angle Point 1, sec. 30, on the line bet. secs.
   19 and 30;
thence S. 45°39' W., 3.00 chs. dist., Angle Point 2, sec. 30;
thence S. 61°10' W., 6.86 chs. dist., Angle Point 3, sec. 30;
thence S. 13°20' W., 3.03 chs. dist., Angle Point 4, sec. 30;
thence S. 63°42' E., 5.20 chs. dist., Angle Point 5, sec. 30;
thence S. 52°26' E., 2.38 chs. dist., Angle Point 6, sec. 30;
thence S. 85°04' E., 7.76 chs. dist., Angle Point 7, sec. 30;
thence S. 72°59' E., 14.42 chs. dist., Angle Point 8, sec. 30;
thence N. 56°13' E., 3.03 chs. dist., Angle Point 9, sec. 30;
thence S. 71°37' E., 2.00 chs. dist., Angle Point 10, sec. 30;
thence S. 65°58' E., 6.48 chs. dist., Angle Point 11, sec. 30;
thence S. 72°12' E., 8.78 chs. dist., Angle Point 12, sec. 30;
thence S. 60°06' E., 10.08 chs. dist., Angle Point 13, sec. 30;
thence S. 50°14' E., 5.72 chs. dist., Angle Point 14, sec. 30;
thence S. 51°59' E., 2.84 chs. dist., Angle Point 15, sec. 30;
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Tps. 7 S., Rs. 18 and 19 E. and

Tps. 6 S., Rs. 17 thru 19 E., Gila and Salt River Meridian, Arizona

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CHAINS
         thence S. 58°05' E., 11.27 chs. dist., Angle Point 16, sec. 30;
         thence S. 38°16' E., 3.88 chs. dist., Angle Point 17, sec. 30;
         thence S. 58°24' E., 3.53 chs. dist., Angle Point 18, sec. 30;
         thence S. 42°22' E., 10.26 chs. dist., Angle Point 19, sec. 30,
             identical with Angle Point 1, sec. 29, on the line bet.
             secs. 29 and 30;
         thence S. 46°53' E., 4.49 chs. dist., Angle Point 2, sec. 29;
         thence S. 37°12' E., 8.93 chs. dist., Angle Point 3, sec. 29;
         thence S. 70°52' E., 3.04 chs. dist., Angle Point 4, sec. 29;
         thence S. 60°00' E., 13.57 chs. dist., Angle Point 5, sec. 29;
         thence S. 30°24' E., 3.99 chs. dist., Angle Point 6, sec. 29;
         thence S. 61°08' E., 17.46 chs. dist., Angle Point 7, sec. 29,
             identical with Angle Point 1, sec. 32, on the line bet. secs.
             29 and 32;
         thence S. 66°35' E., 12.98 chs. dist., Angle Point 2, sec. 32;
         thence S. 66°07' E., 15.74 chs. dist., Angle Point 3, sec. 32;
         thence S. 50°45' E., 11.51 chs. dist., Angle Point 4, sec. 32;
         thence S. 31°26' E., 7.24 chs. dist., Angle Point 5, sec. 32;
         thence S. 0°18' E., 5.29 chs. dist., Angle Point 6, sec. 32;
         thence S. 14°13' W., 4.90 chs. dist., Angle Point 7, sec. 32;
         thence S. 41°42' E., 2.52 chs. dist., Angle Point 8, sec. 32,
             identical with Angle Point 1, sec. 33, on the line bet.
             secs. 32 and 33.
         thence S. 64°32' E., 1.96 chs. dist., Angle Point 2, sec. 33;
         thence S. 34°40' E., 8.44 chs. dist., Angle Point 3, sec. 33;
         thence S. 70°31' E., 12.74 chs. dist., Angle Point 4, sec. 33;
         thence S. 47°54' E., 4.54 chs. dist., Angle Point 5, sec. 33;
         thence S. 30°44' E., 4.10 chs. dist., Angle Point 6, sec. 33;
         thence S. 48°25' E., 10.13 chs. dist., Angle Point 7, sec. 33;
         thence S. 49°36' E., 4.72 chs. dist., Angle Point 8, sec. 33;
         thence S. 69°03' E., 11.69 chs. dist., Angle Point 9, sec. 33;
         thence S. 59°41' E., 8.67 chs. dist., Angle Point 10, sec. 33;
         thence S. 50°25' E., 7.30 chs. dist., Angle Point 11, sec. 33;
         thence S. 34°05' E., 1.74 chs. dist., Angle Point 12, sec. 33,
             identical with Angle Point 1, sec. 4, T. 7 S., R. 18 E., on
             the line bet. secs. 33 and 4, on the S. bdy. of the Tp., the
             point of beginning.
         The following parcels within the Legal Descriptive Boundary are
         excluded from the Aravaipa Canyon Wilderness Area:
         SW 1/4 SE 1/4, SE 1/4 SW 1/4, sec. 17, T. 6 S., R. 18 E.;
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W 1/2 NE 1/4, SE 1/4, E 1/2 NW 1/4, sec. 20, T. 6 S., R. 18 E.;
NE 1/4, N 1/2 SE 1/4, sec. 29, T. 6 S., R. 18 E.;
Portion of the NW 1/4 SW 1/4, sec. 33, T. 6 S., R. 18 E.;
Portion of the NW 1/4, sec. 14, T. 7 S., R. 18 E.;
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The above-described Survey of the Legal Descriptive Boundary of the Aravaipa Canyon Wilderness Area contains 19,617 acres, more or less.

#### CERTIFICATE OF SURVEY

These composite field notes constitute the legal description of the Aravaipa Canyon Wilderness Area, as required by <a href="Public Law 101-628">Public Law 101-628</a>, <a href=""">"Arizona Desert Wilderness Act of 1990"</a>, TITLE 1, SEC. 101. (c).

The preceding field note record of the survey of the descriptive boundary of the Aravaipa Canyon Wilderness Area in Townships 7 South, Ranges 18 and 19 East, and Townships 6 South, Ranges 17 thru 19 East, Gila and Salt River Meridian, Arizona, was executed in compliance with the provisions as set forth in <a href="Public Law 101-628">Public Law 101-628</a>, "Arizona Desert Wilderness Act of 1990" and in pursuance of the Special Instructions dated January 17, 2001, and Supplemental Special Instructions dated February 14, 2011, for Group No. 860, Arizona; 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.

#### CERTIFICATE OF APPROVAL

## BUREAU OF LAND MANAGEMENT Arizona State Office Phoenix, Arizona

The foregoing field notes of the survey of the descriptive boundary of the Aravaipa Canyon Wilderness Area in Townships 7 South, Ranges 18 and 19 East, and Townships 6 South, Ranges 17 thru 19 East, Gila and Salt River Meridian, Arizona, executed by Gordon R. Bubel and Geoffrey A. Graham, Cadastral Surveyors, having been critically examined and found correct, are hereby approved.

(Date) (Chief Cadastral Surveyor of Arizona)

#### CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above described surveys in Townships 7 South, Ranges 18 and 19 East, and Townships 6 South, Ranges 17 thru 19 East, GiTa and Salt River Meridian, Arizona, is a true copy of the original field notes.

(Date) (Chief Cadastral Surveyor of Arizona) -