

ORIGINAL

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

COMPOSITE FIELD NOTES  
OF THE  
SURVEY OF THE  
LEGAL DESCRIPTIVE BOUNDARY  
OF THE  
ADMINISTRATIVE BOUNDARY OF THE  
DAVIS-MONTHAN AIR FORCE BASE  
IN  
**TOWNSHIPS 14 SOUTH, RANGES 14 AND 15 EAST  
AND TOWNSHIPS 15 SOUTH, RANGES 14 AND 15 EAST**  
OF THE GILA AND SALT RIVER MERIDIAN,  
IN THE STATE OF ARIZONA.

**EXECUTED BY**

**Blas J. Urena, Cadastral Surveyor**

Under Special Instructions dated January 4, 2013, approved January 4, 2013, which provided for the surveys included under Group No. 1111, and assignment instructions dated February 25, 2013.

**Survey commenced January 16, 2013**

**Survey completed April 23, 2013**

Tps. 14 S., Rs. 14 and 15 E. and Tps. 15 S., Rs. 14 and 15 E.,  
Gila and Salt River Meridian, Arizona

FEET	<p>The approval of these composite field notes will constitute the legal description of the administrative boundary of the Davis-Monthan Air Force Base.</p> <p>These field notes are a composite of the approved surveys executed in the individual townships. They describe the survey of the administrative boundary of the Davis-Monthan Air Force Base in Townships 14 South, Ranges 14 and 15 East and Townships 15 South, Ranges 14 and 15 East, Gila and Salt River Meridian, Arizona.</p> <p>For detailed information regarding the survey history refer to the approved field notes of the individual Townships.</p> <p>The surveys were executed in accordance with the specifications as set forth in the <u>Manual of Surveying Instructions for the Survey of the Public Lands of the United States, 2009</u>, and the <u>Special Instructions dated January 4, 2013, for Group Number 1111, Arizona</u>.</p> <p>For detailed information regarding monumentation and topography, refer to the field note record of the surveys in that particular township.</p> <p>The true meridian direction and length of all lines were determined by static and real time kinematic global positioning system observations using Trimble Navigation 5700, 5800 and R8 model receivers.</p> <p>Geodetic control was derived from global Position System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) DF7063 COT2 CITY OF TUCSON 2, DN9197 AZBR KBC LIBRARY, DM2672 PIMA PIMA COMM COLLEGE, DM7129 AZVA SYCOMORE ELEM SCH, DL7716 P014 SAHUARITA_AZ2007, DM7127 AZAM SOPORI ELEM SCH, DN6063 AZST SAN TAN PARK and DF5763 AZGB GILA COUNTY. The NAD 83 (CORS2011) (EPOCH 2010.0000), geographic position of the corner of sections 24 and 25 only, Township 14 South, Range 14 East, is as follows:</p> <p>Latitude: 32°11'32.517" N.                      Longitude: 110°51'28.573" W.</p> <p>The NAD 83 (CORS2011) (EPOCH 2010.0000), geographic position of the corner of sections 2, 3, 34 and 35, Townships 14 and 15 South, Range 14 East, is as follows:</p> <p>Latitude: 32°09'46.952" N.                      Longitude: 110°53'31.348" W.</p> <p>The NAD 83 (CORS2011) (EPOCH 2010.0000) geographic position of the corner of sections 5, 6, 31 and 32 of Township 14 South, Range 15 East, is as follows:</p> <p>Latitude: 32°09'46.197" N.                      Longitude: 110°50'27.116" W.</p>
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Tps. 14 S., Rs. 14 and 15 E. and Tps. 15 S., Rs. 14 and 15 E.,  
Gila and Salt River Meridian, Arizona

FEET	<p>The NAD 83 (CORS2011) (EPOCH 2010.0000), geographic position of the corner of sections 14, 15, 22 and 23, Township 15 South, Range 15 East, is as follows:</p> <p>Latitude: 32°07'08.683" N.                      Longitude: 110°47'23.189" W.</p> <hr/> <p style="text-align: center;"><b>Survey of the Legal Descriptive Boundary of the Administrative Boundary of the Davis-Monthan Air Force Base, Tps. 14 S., Rs. 14 and 15 E. and Tps. 15 S., Rs. 14 and 15 E., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p style="text-align: center;">In Township 14 South, Range 14 East</p> <hr/> <p>Beginning at the S. 1/16 sec. cor. of sec. 30 only T. 14 S., R. 15 E. on the E. bdy. of sec. 25, T. 14 S., R. 14 E.</p> <p>thence N. 0°15' E., 1323.9 ft. dist., on the line bet. secs. 25 and 30, to the 1/4 sec. cor. of sec. 30 only T. 14 S., R. 15 E.;</p> <p>thence N. 0°15' E., 99.3 ft. dist., continuing on the line bet. secs. 25 and 30, to the 1/4 sec. cor. of sec. 25 only T. 14 S., R. 14 E.;</p> <p>thence N. 0°15' E., 2552.3 ft. dist., continuing on the line bet. secs. 25 and 30, to the cor. of secs. 19 and 30, T. 14 S., R. 15 E.;</p> <p>thence N. 0°07' W., 135.5 ft. dist., on the line bet. secs. 19 and 25, to the cor. of secs. 24 and 25, T. 14 S., R. 14 E.;</p> <p>thence N. 89°55' W., 2657.9 ft. dist., on the line bet. secs. 24 and 25, to the 1/4 sec. cor. of secs. 24 and 25;</p> <p>thence N. 89°55' W., 2659.1 ft. dist., continuing on the line bet. secs. 24 and 25, to the cor. of secs. 23, 24, 25 and 26;</p> <p>thence N. 0°07' E., 111.9 ft. dist., on the line bet. secs. 23 and 24, to Angle Point 1, sec. 23;</p> <p>thence N. 89°30' W., 389.5 ft. dist., to Angle Point 1A, sec. 23;</p> <p>thence 1140.9 ft. dist., along a circular curve to the right, having a central angle of 31°57', a radius of 2045.81 ft. the chord of said arc bears N. 73°34' W., 1126.18 ft. dist., to Angle Point 1B, sec. 23;</p> <p>thence N. 57°35' W., 721.3 ft. dist., to Angle Point 1C, sec. 23;</p> <p>thence 1362.5 ft. dist., along a circular curve to the left, having a central angle of 31°58', a radius of 2442.07 ft., the chord of said arc bears N. 73°34' W., 1344.84 ft. dist., to Angle Point 1D, sec. 23;</p> <p>thence N. 89°34' W., 1982.6 ft. dist., to Angle Point 2, sec. 23, on the line bet. secs. 22 and 23;</p> <p>thence N. 0°36' E., 145.3 ft. dist., to the S. 1/16 sec. cor. of secs. 22 and 23;</p>
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Tps. 14 S., Rs. 14 and 15 E. and Tps. 15 S., Rs. 14 and 15 E.,  
Gila and Salt River Meridian, Arizona

FEET	
	<p>thence N. 89°42' W., 2630.4 ft. dist., to the center S. 1/16 sec. cor. of sec. 22;  thence N. 89°42' W., 2596.2 ft. dist., to Angle Point 1, sec. 22;  thence S. 0°32' E., 1315.1 ft. dist., to Angle Point 2, sec. 22, identical with Angle Point 1, sec. 27, on the line bet. secs. 22 and 27;  thence S. 0°32' E., 30.0 ft. dist., to Angle Point 2, sec. 27;  thence N. 89°15' W., 10.0 ft. dist., to Angle Point 3, sec. 27;  thence S. 1°03' E., 1516.4 ft. dist., to Angle Point 4, sec. 27;  thence S. 4°18' E., 749.6 ft. dist., to Angle Point 5, sec. 27;  thence 228.3 ft. dist., along a circular curve to the left, having a central angle of 17°48', a radius of 734.72 ft., the chord of said arc bears S. 13°13' E., 227.34 ft. dist., to Angle Point 6, sec. 27;  thence N. 68°07' E., 19.9 ft. dist., to Angle Point 7, sec. 27;  thence S. 22°08' E., 116.1 ft. dist., to Angle Point 8, sec. 27;  thence 545.0 ft. dist., along a circular curve to the right, having a central angle of 21°04', a radius of 1482.39 ft., the chord of said arc bears S. 11°36' E., 541.96 ft. dist., to Angle Point 9, sec. 27;  thence S. 1°04' E., 2149.3 ft. dist., to Angle Point 10, sec. 27, on the line bet. secs. 27 and 34;  thence N. 89°58' E., 317.3 ft. dist., on the line bet. secs. 27 and 34, to Angle Point 1, sec. 34;  thence S. 44°06' E., 944.3 ft. dist., to Angle Point 2, sec. 34;  thence S. 0°19' E., 680.0 ft. dist., to Angle Point 3, sec. 34;  thence S. 89°52' E., 655.5 ft. dist., to Angle Point 4, sec. 34;  thence S. 44°09' E., 949.5 ft. dist., to Angle Point 5, sec. 34;  thence S. 41°03' E., 905.4 ft. dist., to Angle Point 6, sec. 34;  thence S. 1°06' E., 500.0 ft. dist., to Angle Point 7, sec. 34;  thence S. 89°48' E., 439.8 ft. dist., to Angle Point 8, sec. 34;  thence S. 1°01' E., 559.8 ft. dist., to Angle Point 9, sec. 34;  thence S. 89°48' E., 296.8 ft. dist., to Angle Point 10, sec. 34;  thence S. 0°37' E., 1090.2 ft. dist., to Angle Point 11, sec. 34;  thence S. 0°37' E., 542.5 ft. dist., to Angle Point 12, sec. 34;  thence S. 89°39' E., 1329.2 ft. dist., to Angle Point 13, sec. 34, on the line bet. secs. 34 and 35.  thence S. 0°32' E., 30.0 ft. dist., on the line bet. secs. 34 and 35, to the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp.</p>
	<hr/> <p>In Township 15 South, Range 14 East</p> <hr/>
	<p>From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp.</p>

Tps. 14 S., Rs. 14 and 15 E. and Tps. 15 S., Rs. 14 and 15 E.,  
Gila and Salt River Meridian, Arizona

FEET	
	<p>thence S. 89°38' E., 329.9 ft. dist., on the N. bdy. of the Tp., to Angle Point 1, sec. 2;</p> <p>thence S. 45°27' E., 919.4 ft. dist., to Angle Point 2, sec. 2;</p> <p>thence S. 46°45' E., 899.6 ft. dist., to Angle Point 3, sec. 2;</p> <p>thence S. 43°45' E., 947.8 ft. dist., to Angle Point 4, sec. 2;</p> <p>thence S. 29°41' E., 717.9 ft. dist., to Angle Point 5, sec. 2;</p> <p>thence S. 42°18' E., 932.2 ft. dist., to Angle Point 6, sec. 2;</p> <p>thence S. 47°20' E., 935.5 ft. dist., to Angle Point 7, sec. 2;</p> <p>thence S. 42°00' E., 936.4 ft. dist., to Angle Point 8, sec. 2;</p> <p>thence S. 45°50' E., 918.1 ft. dist., to Angle Point 9, sec. 2;</p> <p>thence S. 0°40' W., 30.0 ft. dist., to the cor. of secs. 1, 2, 11 and 12;</p> <p>thence S. 0°35' E., 2410.0 ft. dist., on the line bet. secs. 11 and 12, to Angle Point 1, sec. 12;</p> <p>thence S. 56°32' E., 395.5 ft. dist., to Angle Point 2, sec. 12, on the E. and W. center line of sec. 12;</p> <p>thence S. 89°57' E., 2930.1 ft. dist., on the E. and W. center line of sec. 12, to a Witness Point;</p> <p>thence S. 89°57' E., 1973.2 ft. dist., continuing on the E. and W. center line of sec. 12, to Angle Point 3, sec. 12;</p> <p>thence N. 0°05' E., 2597.7 ft. dist., to Angle Point 4, sec. 12, identical with Angle Point 1, sec. 1;</p> <p>thence N. 0°11' E., 520.7 ft. dist., to Angle Point 2, sec. 1;</p> <p>thence S. 88°59' E., 40.0 ft. dist., to Angle Point 3, sec. 1, identical with Angle Point 4, sec. 6, T. 15 S., R. 15 E., on the E. bdy. of the Tp.;</p>
	<hr/> <p>In Township 15 South, Range 15 East</p> <hr/>
	<p>From Angle Point 4, sec. 6, identical with Angle Point 3, sec. 1, T. 15 S., R. 14 E., on the W. bdy. of the Tp.</p> <p>thence S. 88°57' E., 609.8 ft. dist., to Angle Point 5, sec. 6;</p> <p>thence N. 0°13' E., 780.7 ft. dist., to Angle Point 6, sec. 6;</p> <p>thence S. 89°19' E., 757.4 ft. dist., to Angle Point 7, sec. 6;</p> <p>thence S. 54°09' E., 2281.1 ft. dist., to Angle Point 8, sec. 6, identical with Angle Point 1, sec. 7, on the line bet. secs. 6 and 7;</p> <p>thence S. 54°09' E., 2496.6 ft. dist., to Angle Point 2, sec. 7; identical with Angle Point 1, sec. 8, on the line bet. secs. 7 and 8;</p> <p>thence S. 54°09' E., 2410.8 ft. dist., to Angle Point 2, sec. 8;</p> <p>thence S. 10°21' E., 147.4 ft. dist., to Angle Point 3, sec. 8;</p> <p>thence S. 0°05' W., 979.7 ft. dist., to Angle Point 4, sec. 8;</p> <p>thence S. 89°54' E., 330.5 ft. dist., to Angle Point 5, sec. 8;</p> <p>thence S. 0°04' W., 659.0 ft. dist., to Angle Point 6, sec. 8;</p> <p>thence S. 89°45' E., 331.2 ft. dist., to Angle Point 7, sec. 8;</p> <p>thence S. 0°04' W., 659.0 ft. dist., to the 1/4 sec. cor. of secs. 8 and 17;</p> <p>thence S. 0°04' W., 1086.0 ft. dist., on the N. and S. center line of sec. 17, to Angle Point 1, sec. 17;</p>

Tps. 14 S., Rs. 14 and 15 E. and Tps. 15 S., Rs. 14 and 15 E.,  
Gila and Salt River Meridian, Arizona

FEET	
	<p>thence S. 17°40' W., 201.3 ft. dist., to Angle Point 2, sec. 17;  thence S. 57°37' E., 72.0 ft. dist., to Angle Point 3, sec. 17;  thence S. 0°04' W., 430.5 ft. dist., to Angle Point 4, sec. 17;  thence N. 17°46' E., 1479.6 ft. dist., to Angle Point 5,  sec. 17;  thence S. 89°54' E., 2193.3 ft. dist., to Angle Point 6,  sec. 17, identical with Angle Point 1, sec. 16, on the line  bet. secs. 16 and 17;  thence S. 89°59' E., 528.6 ft. dist., to Angle Point 2, sec. 16;  thence S. 53°48' E., 106.6 ft. dist., to Angle Point 3, sec. 16;  thence N. 89°58' E., 1347.6 ft. dist., to Angle Point 4,  sec. 16;  thence S. 54°09' E., 2051.0 ft. dist., to a witness point on the  line bet. Angle Point 4 and Angle Point 5, sec. 16;  thence continuing S. 54°09' E., 2051.0 ft. dist., to Angle  Point 5, sec. 16 on the line bet. secs. 15 and 16;  thence N. 0°02' W., 157.8 ft. dist., on the line bet. secs. 15  and 16, to the 1/4 sec. cor. of secs. 15 and 16;  thence S. 89°35' E., 1323.2 ft. dist., on the E. and W. center  line of sec. 15, to the center W. 1/16 sec. cor. of sec. 15;  thence S. 0°02' E., 1322.5 ft. dist., on the N. and S. center  line of the SW 1/4 of sec. 15, to the SW 1/16 sec. cor. of  sec. 15;  thence S. 89°37' E., 1323.1 ft. dist., on the E. and W. center  line of the SW 1/4 of sec. 15, to the center S. 1/16 sec. cor.  of sec. 15;  thence S. 0°02' E., 1246.7 ft. dist., on the N. and S. center  line of sec. 15, to Angle Point 1, sec. 15;  thence S. 89°40' E., 1323.1 ft. dist., to Angle Point 2,  sec. 15, on the N. and S. center line of the SE 1/4 of sec.  15;  thence N. 0°01' W., 1245.6 ft. dist., on the N. and S. center  line of the SE 1/4 of sec. 15, to the SE 1/16 sec. cor. of  sec. 15;  thence S. 89°37' E., 1323.2 ft. dist., on the E. and W. center  line of the SE 1/4 of sec. 15, to the S. 1/16 sec. cor. of  secs. 14 and 15;  thence N. 0°01' W., 1319.5 ft. dist., on the line bet. secs. 14  and 15, to the 1/4 sec. cor. of secs. 14 and 15;  thence N. 0°01' W., 2639.0 ft. dist., continuing on the line  bet. secs. 14 and 15, to the cor. of secs. 10, 11, 14 and 15;  thence N. 0°01' W., 2617.0 ft. dist., on the line bet. secs. 10  and 11, to the 1/4 sec. cor. of secs. 10 and 11;  thence N. 0°01' W., 2616.9 ft. dist., continuing on the line  bet. secs. 10 and 11, to the cor. of secs. 2, 3, 10 and 11;  thence N. 0°06' E., 2668.9 ft. dist., on the line bet. secs. 2  and 3, to the 1/4 sec. cor. of secs. 2 and 3;  thence N. 0°06' E., 2509.1 ft. dist., continuing on the line  bet. secs. 2 and 3, to Angle Point 1, sec. 3;  thence N. 89°51' W., 2639.7 ft. dist., to Angle Point 2, sec. 3;  thence N. 89°53' W., 2641.5 ft. dist., to Angle Point 3,  sec. 3, identical with Angle Point 1, sec. 4, on the line bet.  secs. 3 and 4;</p>

Tps. 14 S., Rs. 14 and 15 E. and Tps. 15 S., Rs. 14 and 15 E.,  
Gila and Salt River Meridian, Arizona

FEET

thence N. 89°53' W., 2639.5 ft. dist., to Angle Point 2, sec. 4;  
thence N. 89°53' W., 2639.5 ft. dist., to Angle Point 3, sec. 4,  
identical with Angle Point 1, sec. 5, on the line bet. secs. 4  
and 5;  
thence N. 89°54' W., 2630.3 ft. dist., to Angle Point 2, sec. 5;  
thence N. 89°56' W., 2630.2 ft. dist., to Angle Point 3, sec. 5,  
on the line bet. secs. 5 and 6;  
thence N. 0°27' E., 200.1 ft. dist., on the line bet. secs. 5  
and 6, to the cor. of secs. 5, 6, 31 and 32, on the N. bdy. of  
the Tp.

In Township 14 South, Range 15 East

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the  
Tp.

thence N. 89°54' W., 75.0 ft. dist., on the line bet. secs. 6  
and 31, to Angle Point 1, sec. 31;  
thence N. 0°17' W., 2650.0 ft. dist., to Angle Point 2, sec. 31;  
thence N. 0°17' W., 2575.0 ft. dist., to Angle Point 3, sec. 31;  
thence N. 89°54' W., 2571.0 ft. dist., to Angle Point 4,  
sec. 31;  
thence N. 0°24' W., 75.0 ft. dist., to the 1/4 cor. of secs. 30  
and 31;  
thence N. 89°57' W., 1314.4 ft. dist., on the line bet. secs. 30  
and 31, to the W. 1/16 cor. of secs. 30 and 31;  
thence N. 89°57' W., 664.6 ft. dist., continuing on the line  
bet. secs. 30 and 31, to Angle Point 1, sec. 30;  
thence N. 0°24' E., 1327.2 ft. dist., to Angle Point 2, sec. 30,  
on the E. and W. center line of the SW 1/4 of sec. 30;  
thence N. 89°52' W., 657.7 ft. dist., continuing on the E. and  
W. center line of the SW 1/4 of sec. 30, to the S. 1/16 cor.  
of sec. 30 only, T. 14 S., R. 15 E., on the W. bdy. of the  
Tp., the point of beginning.

The following parcels within the Legal Descriptive Boundary are  
excluded from the Administrative Boundary of the Davis-Monthan  
Air Force Base:

A strip of land in secs. 5 and 8, T. 15 S., R. 15 E., described  
as an exception to the lease in part 2a of Lease  
No. DA-04-353-ENG-4430 between The City of Tucson and The United  
States of America, more particularly described as follows:

The East 190 feet of the West 250 feet of Section Five  
(S. 5), containing 22.28 acres, more or less;

The East 190 feet of the West 250 feet of the North half  
of the Northwest quarter (N1/2NW1/4) of Section Eight  
(S. 8 ), containing 5.76 acres, more or less;

Tps. 14 S., Rs. 14 and 15 E. and Tps. 15 S., Rs. 14 and 15 E.,  
Gila and Salt River Meridian, Arizona

<p>FEET</p>	<p>A parcel as described in Lease No. DA-04-353-ENG-4430, Supplemental Agreement No. 3, between The City of Tucson and The United States of America, more particularly described as follows:</p> <p>“That certain 100 foot by 360 foot parcel of land situate within the NW1/4 of NW1/4, Section 3, Township 15 South, Range 15 East, G&amp;SRM, Pima County, Arizona, described as follows:</p> <p>Commencing at the Northwest corner of said Section 3; thence N. 89° 57' 58" E. along the North line of said section, a distance of 711.49 feet; thence S. 00° 02' 02" E. a distance of 200.00 feet to a point, said point being the TRUE POINT OF BEGINNING of the herein described parcel; thence continuing S. 00° 02' 02" E. a distance of 100.00 feet to a point; thence N. 89° 57' 58" E. a distance of 360.00 feet to a point; thence N. 00° 02' 02" W. a distance of 100.00 feet to a point; thence S. 89° 57' 58" W. a distance of 360.00 feet to the TRUE POINT OF BEGINNING. Containing 0.83 acres, more or less;</p> <p>Note: The preceding exclusions within the legal descriptive boundary of the administrative boundary of the Davis-Monthan Air Force Base were not returned during the official surveys and are described herein based on the deed descriptions. They are depicted on the plat titled "Administrative Boundary of the Davis-Monthan Air Force Base" and Bureau of Land Management's Geographic Coordinate Database (GCDB) for mapping purposes only.</p> <hr/> <p>The above description of the Legal Descriptive Boundary of the Administrative Boundary of the Davis-Monthan Air Force Base contains 10,530.18 acres, more or less.</p> <hr/>
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CERTIFICATE OF SURVEY

These composite field notes constitute the legal descriptive boundary of the administrative boundary of the Davis-Monthan Air Force Base.

The preceding composite field note record of the survey of the legal descriptive boundary of the administrative boundary of the Davis-Monthan Air Force Base in Townships 14 South, Ranges 14 and 15 East and Townships 15 South, Ranges 14 and 15 East, Gila and Salt River Meridian, Arizona, was executed in pursuance of the Special Instructions dated January 4, 2013, for Group Number 1111, Arizona; that said survey has been made in strict conformity with said special instructions, the Manual of Surveying Instructions for the Survey of the Public Lands of the United States, 2009, and in specific manner described in the foregoing field notes.

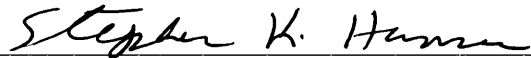
CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Phoenix, Arizona

The foregoing composite field notes of the survey of the legal descriptive boundary of the administrative boundary of the Davis-Monthan Air Force Base in Townships 14 South, Ranges 14 and 15 East and Townships 15 South, Ranges 14 and 15 East, Gila and Salt River Meridian, in the State of Arizona, executed by Blas J. Urena, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

8/07/2013

(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 14 South, Ranges 14 and 15 East and Townships 15 South, Ranges 14 and 15 East, Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~