

ORIGINAL

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

**FIELD NOTES
OF THE
DEPENDENT RESURVEY
OF A PORTION OF THE SUBDIVISIONAL LINES
AND
THE SUBDIVISION OF SECTION 29,
TOWNSHIP 4 NORTH, RANGE 19 WEST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.**

EXECUTED BY

Joe R. Salazar, Cadastral Surveyor

Under Special Instructions dated April 14, 2000, approved April 14, 2000, which provided for the surveys included under Group No. 850, and assignment instructions dated April 14, 2000.

**Survey commenced April 24, 2000
Survey completed April 27, 2000**

INDEX DIAGRAM

TOWNSHIP 4 NORTH RANGE 19 WEST

6	5	4	3	2	1
7	8	9	10	11	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

Subdivision of Section 29 Pages 4-7

T. 4 N., R. 19 W., Gila and Salt River Meridian,

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines and the subdivision of section 29, T. 4 N., R. 19 W., Gila and Salt River Meridian.

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

John F. Hesse surveyed the First Standard Parallel North, in 1908-09. Woodberry Abby and Roy J. Gill resurveyed the First Standard Parallel North and surveyed the east, south and west boundaries and subdivisional lines, in 1915. Boyd S. Owens and Paul G. Bauer dependently resurveyed a portion of the subdivisional lines and subdivided certain sections, in 1964-67.

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 April 14, 2000, for Group No. 850, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic and static global positioning system observations using Trimble Navigation 4400 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 second order U.S. Coast and Geodetic Survey triangulation station HI JOLLY 1949 as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of the 1/4 sec. cor. of secs. 28 and 29 is as follows:

Latitude: 33° 39' 37.52" N. Longitude: 114° 14' 04.13" W.

The mean magnetic declination of 12 $\frac{3}{4}$ ° E.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 4 N., R. 19 W., Gila and Salt River Meridian, Arizona**

Restoring the survey executed by
Woodberry Abby and Roy J. Gills, in 1915.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 4 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Beginning at the 1/4 sec. cor of secs. 28 and 29, remonumented by person(s) unknown, with an open ended iron pipe, 1 in. diam., firmly set, 12 ins. below the ground.</p> <p>from which the remaining 1964-67 reference monument</p> <p>An iron post, 3 ins. diam., firmly set, 6 ins. below the ground, bears S. 56°27' W., 20 ft. dist., with brass cap mkd. T4N R19W S29 RM 20 ft. 1964 and an arrow pointing to the corner.</p> <p>From this cor. point, U. S. Coast and Geodetic Survey triangulation station HI JOLLY 1949, bears N. 24°07' W., 25.14 chs. dist., monumented with a standard brass disk, 3 ins. diam., cemented in a concrete post, 8 ins. square, firmly set, flush with ground, with top mkd. HI JOLLY 1949 and a triangle.</p> <p>Cor. is located on S. slope of shoulder of E. bound lane of U. S. Interstate 10.</p> <p>North, bet. secs. 28 and 29.</p> <p>Over nearly level land.</p>
0.70	Centerline of E. bound lane of U. S. Interstate 10, bears ENE and WSW.
2.40	Centerline of W. bound lane of U. S. Interstate 10, bears ENE and WSW.
14.00	Centerline of U. S. Highway 60-70, bears ENE. and WSW.
14.40	Thence, along center of Kofa Road, paved.
20.04	Point for the N 1/16 sec. cor. of secs. 28 and 29, not monumented.
30.06	Point for the N-N 1/64 sec. cor. of secs. 28 and 29, not monumented.
40.08	<p>The cor. of secs. 20, 21, 28 and 29, monumented with an iron post, 2½ ins. diam., firmly set, 8 ins. below surface of paved road, with brass cap missing.</p> <p>Cor. is located at the intersection of Kofa Road, and a graveled road, bears E. and W.</p> <hr/> <p>N. 89°59' W., bet. secs. 20 and 29.</p> <p>Along graveled road.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 4 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS											
4.998	<p>Point for the E-E-E 1/256 sec. cor. of secs. 20 and 29.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 3 ins. below the ground, with brass cap mkd.</p> <table border="0" data-bbox="828 441 1039 609"> <tr> <td colspan="2" style="text-align: center;">T4N R19W</td> </tr> <tr> <td style="text-align: center;">E-E-E</td> <td style="text-align: center;">S20</td> </tr> <tr> <td colspan="2" style="text-align: center;"><hr style="width: 50px; margin: 0 auto;"/></td> </tr> <tr> <td style="text-align: center;">1/256</td> <td style="text-align: center;">S29</td> </tr> <tr> <td colspan="2" style="text-align: center;">2000</td> </tr> </table> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>	T4N R19W		E-E-E	S20	<hr style="width: 50px; margin: 0 auto;"/>		1/256	S29	2000	
T4N R19W											
E-E-E	S20										
<hr style="width: 50px; margin: 0 auto;"/>											
1/256	S29										
2000											
6.00	<p>Leave graveled road.</p>										
9.995	<p>Point for the E-E 1/64 sec. cor. of secs. 20 and 29.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <table border="0" data-bbox="828 945 1039 1113"> <tr> <td colspan="2" style="text-align: center;">T4N R19W</td> </tr> <tr> <td style="text-align: center;">E-E</td> <td style="text-align: center;">S20</td> </tr> <tr> <td colspan="2" style="text-align: center;"><hr style="width: 50px; margin: 0 auto;"/></td> </tr> <tr> <td style="text-align: center;">1/64</td> <td style="text-align: center;">S29</td> </tr> <tr> <td colspan="2" style="text-align: center;">2000</td> </tr> </table> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>	T4N R19W		E-E	S20	<hr style="width: 50px; margin: 0 auto;"/>		1/64	S29	2000	
T4N R19W											
E-E	S20										
<hr style="width: 50px; margin: 0 auto;"/>											
1/64	S29										
2000											
19.99	<p>Point for the E 1/16 sec. cor. of secs. 20 and 29, not monumented.</p>										
39.98	<p>The 1/4 sec. cor. of secs. 20 and 29, monumented by Jeffrey L. Andrews, Arizona Registered Land Surveyor No. 12213, with a rebar, ½ in. diam., 18 ins. long, firmly set, projecting 5 ins. above the ground, with a yellow plastic cap broken off, lying loose alongside, mkd. RLS12213 and with a rusted open end iron pipe, 1 in. diam., 12 ins. long, set alongside. This position closely matches the 1974 record as reported by L. A. Cornejo, Arizona Registered Land Surveyor (deceased), and therefore is accepted as the best available evidence of the original cor. position.</p> <p>At the cor. point.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.</p>										

**Subdivision of Section 29,
T. 4 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	T4N R19W S20 1/4 ——— S29 2000
	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Deposit rebar, open end iron pipe and plastic cap alongside stainless steel post.</p> <p>From this cor. point, the cor. of secs. 19, 20, 29 and 30, monumented with an iron pipe, 2 ins. diam., firmly set, projecting 13 ins. above the ground, with brass cap mkd. T4N R19W S19 S20 S30 S29 1915, bears S. 89°55' W., 39.97 chs. dist.</p> <hr/> <p style="text-align: center;">Subdivision of Section 29, T. 4 N., R. 19 W., Gila and Salt River Meridian,</p> <hr/> <p>From the 1/4 sec. cor. of secs. 29 and 32, monumented with an iron post, 1 in. diam., firmly set, projecting 14 ins. above the ground, with brass cap mkd. 1/4 S29 S32 1915, and witnessed with a mound of stone, 2 ft. base, 1 ft. high, W. of cor.</p> <p>Add the marks T4N R19W 2000 to the brass cap.</p> <p>N. 0°03' E., on the N. and S. center line of sec. 29.</p> <p>Over nearly level land.</p>
40.00	<p>The center 1/4 sec. cor. of sec. 29, established by F. W. O'Bannon, Arizona Registered Land Surveyor No. 2993, at intersection with the E. and W. centerline of sec. 29, monumented with an iron pipe, 1½ ins. diam., filled with concrete, firmly set, projecting 3 ins. above the ground, with metal tag mkd. LS2993. This position is accepted as a faithful and careful determination of the corner.</p> <hr/> <p>N. 0°03' E., beginning new measurement.</p>
20.035	<p>Point for the center N 1/16 sec. cor. of sec. 29, not monumented.</p>
40.07	<p>The 1/4 sec. cor. of secs. 20 and 29.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 28 and 29.</p>

**Subdivision of Section 29,
T. 4 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>N. 89°58' W., on the E. and W. center line of sec. 29.</p> <p>Over nearly level land.</p>
20.015	Point for the center E 1/16 sec. cor. of sec. 29, not monumented.
40.03	The center 1/4 sec. cor. of sec. 29.

	N. 89°58' W., beginning new measurement.
40.10	<p>The 1/4 sec. cor. of secs. 29 and 30, perpetuated by Jeffry L. Andrews, Arizona Registered Land Surveyor No. 12213, and subsequently rehabilitated by William A. Lemee, Arizona Registered Land Surveyor No. 16568, monumented with a rebar, ½ in. diam., 18 ins. long, firmly set, 22 ins. in the ground, with aluminum cap mkd. LEMME ENGR LS16568, with a portion of the original iron post, 1 in. diam., filled with concrete lying alongside, and witnessed with a scattered mound of stone, W. of cor. This position is accepted as a faithful and careful perpetuation of the original corner.</p> <p>At the cor. point.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T4N R19W</p> <p>1/4</p> <p>S30 S29</p> <p>2000</p> </div> <p>Deposit rebar and portion of iron post inside stainless steel post.</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Rebuild mound of stone, 2 ft. base, 1 ft. high, W. of cor.</p>

	NE 1/4 sec. 29

	<p>From the point for the center E 1/16 sec. cor. of sec. 29.</p> <p>N. 0°02' E., on the N. and S. center line of the NE 1/4 of sec. 29.</p> <p>Over nearly level land.</p>

Subdivision of Section 29,
T. 4 N., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS	
20.04	<p>The NE 1/16 sec. cor. of sec. 29, established by Martin M. Denn, Arizona Registered Civil Engineer No. 4086, at intersection with the E. and W. centerline of the NE 1/4 of sec. 29, monumented with an iron pipe, 1½ ins. diam., firmly set, projecting 10 ins. above the ground, with metal tag mkd. 4086. This position is accepted as a faithful and careful determination of the corner.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°02' E., beginning new measurement.</p>
10.02	<p>Point for the center N-NE 1/64 sec. cor. of sec. 29, not monumented.</p>
20.04	<p>The point for the E 1/16 sec. cor. of secs. 20 and 29.</p> <hr style="width: 80%; margin: 10px auto;"/> <p>From the point for the N 1/16 sec. cor. of secs. 28 and 29.</p> <p>N. 89°58' W., on the E. and W. center line of the NE 1/4 of sec. 29.</p> <p>Over nearly level land.</p>
10.00	<p>Point for the center E-NE 1/64 sec. cor. of sec. 29, not monumented.</p>
20.00	<p>The NE 1/16 sec. cor. of sec. 29.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89°58' W., beginning new measurement.</p>
20.00	<p>The point for the center N 1/16 sec. cor. of sec. 29.</p> <hr style="width: 80%; margin: 10px auto;"/> <p>From the point for the center E-NE 1/64 sec. cor. of sec. 29.</p> <p>N. 0°01' E., on the N. and S. center line of the NE 1/4 of the NE 1/4 of sec. 29.</p> <p>Over nearly level land.</p>
10.02	<p>Point for the NE-NE 1/64 sec. cor. of sec. 29.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.</p>
	<p>T4N R19W S29 NE-NE 1/64 2000</p>

**Subdivision of Section 29,
T. 4 N., R. 19 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Cor. is located 2 ft. N. of fence line, bears E. and W.</p>
20.04	<p>The E-E 1/64 sec. cor. of secs. 20 and 29.</p> <hr/> <p>From the point for the N-N 1/64 sec. cor. of secs. 28 and 29.</p> <p>N. 89°59' W., on the E. and W. center line of the NE 1/4 of the NE 1/4 of sec. 29.</p> <p>Over nearly level land.</p>
0.60	<p>Fence line, bears N. and S.</p>
5.00	<p>Point for the center E-NE-NE 1/256 sec. cor. of sec. 29.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T4N R19W S29 C-E-NE-NE 1/256 2000</p>
	<p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Cor. is located 12 ft. N. of fence line, bears E. and W.</p>
10.00	<p>The NE-NE 1/64 sec. cor. of sec. 29.</p>
20.00	<p>The point for the center N-NE 1/64 sec. cor. of sec. 29.</p> <hr/> <p>From the center E-NE-NE 1/256 sec. cor. of sec. 29.</p> <p>North, on the N. and S. center line of the NE 1/4 of the NE 1/4 of the NE 1/4 of sec. 29.</p> <p>Over nearly level land.</p>
10.02	<p>The E-E-E 1/256 sec. cor. of secs. 20 and 29.</p> <hr/>

T. 4 N., R. 19 W., Gila and Salt River Meridian, Arizona

CHAINS

GENERAL DESCRIPTION

The area surveyed within T. 4 N., R. 19 W., is located in the town of Quartzsite, Arizona. The terrain is near level land with extensive occupancy within the area. U. S. Interstate 10, traverses the southern portion of the surveyed area.

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

CERTIFICATE OF SURVEY

I, Joe. R. Salazar, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 14th day of April, 2000, I have dependently resurveyed a portion of the subdivisional lines and subdivided section 29, T. 4 N., R. 19 W., Gila and Salt River Meridian, 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.

11/20/2000
(Date)

Joe R. Salazar
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the subdivisional lines and the subdivision of section 29, T. 4 N., R. 19 W., Gila and Salt River Meridian, Arizona, executed by Joe R. Salazar, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

November 21, 2000
(Date)

Kenny D. Ravnikar
(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. 4 N., R. 19 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____~~
~~(Date)~~

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