

ORIGINAL

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

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF

PORTIONS OF THE SOUTH AND WEST BOUNDARIES AND

A PORTION OF THE SUBDIVISIONAL LINES

AND

THE SUBDIVISION OF SECTIONS 20 AND 29,

TOWNSHIP 11 SOUTH, RANGE 10 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Joe R. Salazar, Cadastral Surveyor

Under Special Instructions dated February 14, 2001, approved February 14, 2001, which provided for the surveys included under Group No. 864, and assignment instructions dated February 14, 2001.

Survey commenced February 21, 2001

Survey completed February 27, 2001

INDEX DIAGRAM

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T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of portions of the south and west boundaries and a portion of the subdivisional lines and the subdivision of sections 20 and 29, T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona.

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

R. C. Powers surveyed the Second Stan. Par. S., in 1883. Edgar C. Dietrich resurveyed the Second Stan. Par. S. through R. 9 E., in 1905. Fred W. Rodolf resurveyed the Second Stan. Par. S. and surveyed the south and west boundaries and a portion of the subdivisional lines, in 1911. William H. Thorn resurveyed a portion of the Second Stan. Par. S. and portions of the south and west boundaries and surveyed a portion of the subdivisional lines, in 1921-22.

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 February 14, 2001, for Group No. 864, 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 first order U.S. Coast and Geodetic Survey triangulation station L 94 1935, as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., is as follows:

Latitude: 32° 25' 19.50" N. Longitude: 111° 21' 20.34" W.

The mean magnetic declination is 11 $\frac{3}{4}$ ° E.

Dependent Resurvey of a Portion of the South Boundary,
T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">Restoring the resurvey executed by William H. Thorn, in 1921-22</p> <hr style="width: 20%; margin: auto;"/> <p>Beginning at the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of Tp., monumented with an iron post, 3 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. T11S R10E S31 S32 S6 S5 T12S 1911.</p> <p>from which the remains of the original bearing trees</p> <p style="padding-left: 40px;">A mesquite stump, 13 ins. diam., bears S. 23°05'E., 137 lks. dist, mkd. 2S R10E T, on a partially healed blaze.</p> <p style="padding-left: 40px;">A mesquite stump, 10 ins. diam., bears N. 67½° W., 136 lks. dist, with no marks visible.</p> <p>Add the marks 2001 to the brass cap.</p> <p>S. 89°53' W., bet. secs. 6 and 31, on the S. bdy. of the Tp., along the Ironwood Forest National Monument bdy.</p> <p>Over rolling desert terrain, through scattered creosote, mesquite and palo verde.</p> <p>40.00 Point for the 1/4 sec. cor. of secs. 6 and 31, at proportionate dist.; there is no remaining evidence of the original cor.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T11S R10E S31 1/4 ——— S6 T12S 2001</p> <p>Found original iron post, 36 ins. long, 1 in. diam., lying loose nearby, with brass cap mkd. 1/4 S31 S6 1911.</p> <p>Deposit a magnet in a white plastic case at the base and the iron post alongside the stainless steel post.</p> <p>76.30 Center line of Pump Station Road, graveled, 30 ft. wide, bears N. and S.</p> <p>78.89 The cor. of Tps. 11 and 12 S., Rs. 9 and 10 E., monumented with an iron post, 3 ins. diam. firmly set, projecting 2 ins. above the ground, with brass cap mkd. T11S R9E S36 S31 S1 S6 T12S R10E 1921.</p>

**Dependent Resurvey of a Portion of the South Boundary,
T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona**

CHAINS

Add the marks 2001 to the brass cap.

**Dependent Resurvey of a Portion of the West Boundary,
T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona**

Restoring the survey executed by
Fred W. Rodolf, in 1911

From the cor. of Tps. 11 and 12 S., Rs. 9 and 10 E.,
hereinbefore described.

N. 0°02' W., bet. secs. 31 and 36 on the W. bdy. of the Tp.,
along the Ironwood Forest National Monument bdy.

Over rolling desert terrain, through scattered creosote,
mesquite and palo verde.

40.11 Point for the 1/4 sec. cor. of secs. 31 and 36, at proportionate
dist.; there is no remaining evidence of the original cor.,
falls in El Tero Road, graveled, 28 ft. wide, bears E. and W.
Not monumented.

80.22 The cor. of secs. 25, 30, 31 and 36, on the W. bdy. of Tp.,
monumented with an iron post, 3 ins. diam., firmly set,
projecting 18 ins. above the ground, with brass cap mkd. T11S
R9E R10E S25 S30 S36 S31 1911.

Add the marks 2001 to the brass cap.

Cor. is located in barbed wire fence, bears E. and W.

Restoring the resurvey executed by
William H. Thorn, in 1921-22

From the cor. of secs. 13, 18, 19 and 24, on the W. bdy. of Tp.,
monumented with an iron post, 3 ins. diam., firmly set,
projecting 14 ins. above the ground, with brass cap mkd. T11S
R9E R10E S13 S18 S24 S19 1911.

Add the marks 2001 to the brass cap.

N. 0°01' E., on the E. bdy. of sec. 13, T. 11 S., R. 9 E., along
the Ironwood Forest National Monument bdy.

Over rolling desert terrain, through scattered creosote,
mesquite and palo verde

Dependent Resurvey of a Portion of the West Boundary,
T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona

CHAINS	
0.20	Barbed wire fence, bears E. and W.
39.79	<p>The 1/4 sec. cor. of sec. 18 only, monumented with an iron post, 1 in. diam., firmly set, projecting 13 ins. above the ground, with brass cap mkd. 1/4 S18 1922.</p> <p>Add the marks T11S R9E R10E 2001 to the brass cap.</p>
40.10	<p>The 1/4 sec. cor. of sec. 13 only, T. 11 S., R. 9 E., monumented with an iron post, 1 in. diam., firmly set, projecting 15 ins. above the ground, with brass cap mkd. 1/4 S13 1911.</p> <p>Add the marks T11S R9E R10E 2001 to brass cap.</p> <hr/> <p>N. 0°01' W., beginning new measurement.</p>
39.50	<p>The closing cor. of secs. 7 and 18, monumented with an iron post, 2 ins. diam., firmly set, projecting 9 ins. above the ground, with brass cap mkd. T11S CC S7 S18 R10E 1922.</p> <p>Add the marks R9E S13 2001 to the brass cap.</p>
40.15	<p>The cor. of secs. 12 and 13 only, T. 11 S., R. 9 E., monumented with an iron post, 3 ins. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd. T11S R9E S12 S13 1911.</p> <p>Add the marks R10E S7 2001 to the brass cap.</p> <hr/> <p>N. 0°02' E., on the E. bdy. of sec. 12, T. 11 S., R. 9 E., along the Ironwood Forest National Monument bdy.</p>
39.34	<p>The 1/4 sec. cor. of sec. 7 only, monumented with an iron post, 1 in. diam., firmly set, projecting 10 ins. above the ground, with brass cap mkd. 1/4 S7 1922.</p> <p>Add the marks T11S R9E R10E 2001 to the brass cap.</p>
40.05	<p>The 1/4 sec. cor. of sec. 12 only, T. 11 S., R. 9 E., monumented with an iron post, 1 in. diam., firmly set, projecting 11 ins. above the ground, with brass cap mkd. 1/4 S12 1911.</p> <p>Add the marks T11S R9E R10E 2001 to the brass cap.</p> <hr/> <p>North, beginning new measurement.</p>
39.28	<p>The closing cor. of secs. 6 and 7, monumented with an iron post, 2 ins. diam., firmly set, projecting 9 ins. above the ground, with brass cap mkd. T11S CC S6 S7 R10E 1922.</p>

Dependent Resurvey of a Portion of the West Boundary,
T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.14	<p>Add the marks R9E S12 2001 to the brass cap.</p> <p>The cor. of secs. 1 and 12 only, T. 11 S., R. 9 E., monumented with an iron post, 3 ins. diam. firmly set, projecting 8 ins. above the ground, with brass cap mkd. T11S R9E S1 S12 1911.</p> <p>Add the marks R10E S6 2001 to the brass cap.</p> <p>Cor. is located 20 lks. S. of barbed wire fence, bears E. and W.</p>
36.01	<p>N. 0°03' E., on the E. bdy. of sec. 1, T. 11 S., R. 9 E., along the Ironwood Forest National Monument bdy.</p> <p>The closing cor. of Tps. 11 S., Rgs. 9 and 10 E., on the Second Stan. Par. S., monumented with an iron post, 3 ins. diam. firmly set, projecting 9 ins. above the ground, with brass cap mkd. T10S S36 CC S1 S6 R9E R10E T11S 1911.</p> <p>Add the marks 2001 to the brass cap.</p> <p>Cor. is located in an intersection of barbed wire fences, bears E., SSE. and W.</p> <p>From this cor. point, a U. S. Coast and Geodetic Survey Bench Mark, monumented with a standard brass tablet, 3 ins. diam., incased in a concrete cylinder, 12 ins. diam., firmly set, projecting 6 ins. above the ground, mkd. X292 1951, bears S. 40°40' W., 0.05 chs. dist.</p> <p>From this same cor. point, the stan. 1/4 sec. cor. of sec. 36, T. 10 S., R. 9 E., monumented with an iron post, 2 ins. diam., firmly set, projecting 14 ins. above the ground, with brass cap mkd. SC 1/4 S36 1922, bears N. 89°57' E., 1.03 chs. dist.</p> <p>Add the marks T10S R9E 2001 to the brass cap.</p> <p>Cor. is located in barbed wire fence line, bears E. and W.</p> <p>From this same cor. point, the stan. 1/4 sec. cor. of sec. 35, T. 10 S., R. 9 E., monumented with the 1905 redwood post, 4 ins. square, 36 ins. long, firmly set, projecting 20 ins. above the ground, mkd. with an S T and other illegible scribe marks on N. face, and illegible scribe marks on the S. and E. faces, bears S. 89°57' W., 79.16 chs. dist.</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>

Dependent Resurvey of a Portion of the West Boundary,
T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona

CHAINS

S C
T10S R9E
1/4 S 35

2001

Deposit a magnet in a white plastic case at the base and the redwood post alongside the stainless steel post.

This control line was fully retraced and careful search was made for evidence of intervening cors., none of which was recovered.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by
William H. Thorn, in 1921-22

From the 1/4 sec. cor. of secs. 29 and 32, perpetuated by the Pima County Department of Transportation, in 1995, as shown in the Arizona Land Survey Monument Reference Record on file with the Pima County Department of Transportation, Field Engineering Division, monumented with a rebar, ½ in. diam., 18 ins. long, firmly set, 2 ins. below the ground, with a metal washer mkd. PCDOT REF 27 tied to the rebar, with the original iron post, filled with concrete, no brass cap, bent, lying loose near the cor. This position is accepted as a careful and faithful perpetuation of the original corner.

At the cor. point

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T11S R10E
S29
1/4 ———
S32
2001

from which accessories established by the Pima County Department of Transportation

A rebar, ½ in. diam., firmly set, flush with ground, with metal washer mkd. PCDOT REF 27, bears N. 48°16' E., 161 lks. dist.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>A rebar, $\frac{1}{2}$ in. diam., firmly set, flush with ground, with metal washer mkd. PCDOT REF 27, bears S. $41^{\circ}44'$ E., 161 lks. dist.</p> <p>A rebar, $\frac{1}{2}$ in. diam., firmly set, flush with ground, with metal washer mkd. PCDOT REF 27, bears S. $48^{\circ}16'$ W., 87 lks. dist.</p> <p>A rebar, $\frac{1}{2}$ in. diam., firmly set, flush with ground, with metal washer mkd. PCDOT REF 27, bears N. $41^{\circ}44'$ W., 102 lks. dist.</p> <p>Deposit a magnet in a white plastic case at the base and the rebar inside the stainless steel post.</p> <p>Remove the iron post from area.</p> <p>Cor. is located 45 lks. W. of center line of EL Cocio Road, paved, 22 ft. wide, bears N. and S.</p> <p>From this cor. point, a fence corner, with fences extending N. and W., bears N. $88^{\circ}30'$ W., 0.68 ch. dist.</p> <p>S. $89^{\circ}57'$ W., bet. secs. 29 and 32, along the Ironwood Forest National Monument bdy.</p> <p>Over rolling desert terrain, through scattered creosote and palo verde, along fence line.</p>
40.04	<p>The cor. of secs. 29, 30, 31 and 32, monumented with an iron post, 2 ins. diam., firmly set, projecting 13 ins. above the ground, with brass cap mkd. T11S R10E S30 S29 S31 S32 1921.</p> <p>Add the marks 2001 to the brass cap.</p> <p>Cor. is located in barbed wire fence, bears E. and W.</p> <hr/>
40.00	<p>N. $89^{\circ}57'$ W., bet. secs. 30 and 31., along the Ironwood Forest National Monument bdy.</p> <p>Over rolling desert terrain, through scattered creosote, mesquite and palo verde, along fence line.</p> <p>The $\frac{1}{4}$ sec. cor. of secs. 30 and 31, monumented with an iron post, 1 in. diam., firmly set, projecting 19 ins. above the ground, with brass cap mkd. $\frac{1}{4}$ S30 S31 1921.</p> <p>Add the marks T11S R10E 2001 to the brass cap.</p> <p>Cor. is located in barbed wire fence, bears E. and W.</p> <hr/>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona

CHAINS	
38.80	<p>N. 89°59' W., beginning new measurement.</p> <p>The cor. of secs. 25, 30, 31 and 36, on the W. bdy. of Tp., hereinbefore described.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 17 and 20, monumented with an iron post, 1 in. diam., firmly set, projecting 10 ins. above the ground, with brass cap mkd. 1/4 S17 S20 1921.</p> <p>Add the marks T11S R10E 2001 to the brass cap.</p> <p>Cor. is located under powerline, bears N. and S., 15 ft. S. of barbed wire fence, bears E. and W.</p> <p>S. 89°56' W., bet. secs. 17 and 20, along the Ironwood Forest National Monument bdy.</p> <p>Over rolling desert terrain, through scattered creosote, mesquite and palo verde.</p>
40.07	<p>The cor. of secs. 17, 18, 19 and 20, monumented with an iron post, 2 ins. diam., firmly set, projecting 14 ins. above the ground, with brass cap mkd. T11S R10E S18 S17 S19 S20 1921.</p> <p>Add the marks 2001 to the brass cap.</p> <p>Cor. is located 23 lks. S. of barbed wire fence, bears E. and W.</p> <p>From this cor. point, U. S. Coast and Geodetic Survey triangulation station L 94 1935, bears S. 25°57' E., 22.49 chs. dist., monumented with a standard brass disk, 3 ins. diam., cemented in a concrete post, 8 ins. square, firmly set, projecting 6 ins. above ground, with top mkd. L 64 1935.</p> <hr/> <p>N. 89°34' W., bet. secs. 18 and 19., along the Ironwood Forest National Monument bdy.</p> <p>Over rolling desert terrain, through scattered creosote, mesquite and palo verde.</p>
39.99	<p>The 1/4 sec. cor. of secs. 18 and 19, determined from the remaining original bearing tree.</p> <p style="padding-left: 40px;">A palo verde, 6 ins. diam., bears N. 75½° W., 40 lks. dist., with illegible scribe marks visible on partially healed blaze.</p> <p>At the cor. point.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T11S R10E S18 1/4 ——— S19 2001</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Cor. is located 14 ft. S. of barbed wire fence, bears E. and W.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89°44' W., beginning new measurement.</p>
38.72	<p>The cor. of secs. 13, 18, 19 and 24, on the W. bdy. of Tp., hereinbefore described.</p>
	<hr/> <p>Subdivision of Section 20, T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona</p> <hr/>
	<p>From the 1/4 sec. cor. of secs. 20 and 29, monumented with an iron post, 1 in. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. 1/4 S20 S29 1921.</p> <p>Add the marks T11S R10E 2001 to the brass cap.</p> <p>Cor. is located in fence line, bears N. and S.</p> <p>N. 0°01' W., on the N. and S. center line of sec. 20, along the Ironwood Forest National Monument bdy.</p> <p>Over rolling desert terrain, through scattered creosote, mesquite and palo verde, along fence line.</p>
67.90	<p>Leave fence line.</p>
68.10	<p>Center line of Silver Bell Road, paved, 28 ft. wide, bears WSW. and ENE.</p>
80.01	<p>The 1/4 sec. cor. of secs. 17 and 20.</p>
	<hr/> <p>Subdivision of Section 29, T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the 1/4 sec. cor. of secs. 29 and 32.</p>

Subdivision of Section 29,
T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>N. 0°02' W., on the N. and S. center line of sec. 29, along the Ironwood Forest National Monument bdy.</p> <p>Over rolling desert terrain, through scattered creosote, mesquite and palo verde.</p>
25.13	<p>Rail road tie fence cor. post, 6 ins. square, fences bears N. and W.</p> <p>Thence along fence line.</p>
80.04	<p>The 1/4 sec. cor. of secs. 20 and 29.</p>
<hr/> <p>GENERAL DESCRIPTION</p> <hr/>	
<p>The area embraced by this survey is approximately 9 miles west of the small town of Marana, Arizona, southwesterly of U. S. Interstate 10.</p> <p>The terrain of this area is mostly rolling desert, with evidence of some abandoned farms, with scattered occupancy within the area. Vegetation consists mainly of mesquite, creosote and palo verde, with scattered native grasses.</p> <p>The elevation is about 2010 ft. above sea level throughout the area.</p> <p>The mean magnetic declination of 11$\frac{3}{4}$° 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.</p> <hr/>	

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 February, 2001, I have dependently resurveyed portions of the south and west boundaries and a portion of the subdivisional lines and subdivided sections 20 and 29, T. 11 S., R. 10 E., 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.

1/22/02
(Date)

Joe R. Salazar
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of portions of the south and west boundaries and a portion of the subdivisional lines and the subdivision of sections 20 and 29, T. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona, executed by Joe R. Salazar, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

October 21, 2002
(Date)

Lenny P. Pawmka
(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. 11 S., R. 10 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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