

ORIGINAL

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

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF

A PORTION OF THE NORTH BOUNDARY,

AND A PORTION OF THE SUBDIVISIONAL LINES,

THE SUBDIVISION OF SECTION 2

AND THE METES-AND-BOUNDS SURVEYS IN SECTIONS 2 AND 11,

TOWNSHIP 11 SOUTH, RANGE 25 WEST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Daniel L. Maxey, Cadastral Surveyor

Under Special Instructions dated October 1, 1999, approved October 1, 1999, which provided for the surveys included under Group No. 845, and assignment instructions dated October 1, 1999.

Survey commenced October 4, 1999

Survey completed October 20, 1999

INDEX DIAGRAM

TOWNSHIP 11 SOUTH RANGE 25 WEST

2					
6	5	4	3	5 2 ³ 3	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 2 Page 6
 Metes- and-bounds survey in sections 2 and 11 Pages 6-11

T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the north boundary and a portion of the subdivisional lines, the subdivision of section 2 and the metes-and bounds surveys in sections 2 and 11, T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona.

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

Theodore F. White surveyed the north boundary of the township, in 1874. The Boundary Commission surveyed a portion of the International Boundary identical to the south boundary of the township, in 1891-96. William H. Elliott resurveyed a portion of the north boundary and surveyed the remaining portion of the north boundary, the east boundary and the subdivisional lines, in 1905. Robert C. Yundt retraced a portion of the International Boundary and dependently resurveyed a portion of the north boundary and subdivisional lines, in 1959. James W. Gilbery resurveyed a portion of the subdivisional lines and surveyed a portion of the San Luis Townsite, in 1963-64. Ray Harpin dependently resurveyed a portion of the subdivisional lines and subdivided section 11, in 1972-73.

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 October 1, 1999, for Group No. 845, Arizona.

The directions of all lines were determined and distances measured, by differential positioning using Trimble Navigation 4400 Series Global Positioning System receivers utilizing the Real-Time Kinematic technique.

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.

The geographic position of the 1/4 sec. cor. of secs. 2 and 11, was determined by differential positioning using the Trimble Navigation 4400 Series Global Positioning System. Second order U. S. Coast and Geodetic Survey triangulation station "BOUNDARY MON 204 MX US" was used as the control station. The geographic position is as follows:

Latitude: 32° 29' 38.90" N. Longitude: 114° 47' 42.70" W.
NAD83(1992)

T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>The mean magnetic declination is $12\frac{1}{4}^{\circ}$ E.</p>
	<p style="text-align: center;">Dependent Resurvey of a Portion of the North Boundary, T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona</p>
	<p style="text-align: center;">Restoring the resurvey executed by Robert C. Yundt, in 1959</p>
	<p>Beginning at the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., monumented with a brass tablet, firmly seated in a concrete block, set 8 ins. below the surface of U. S. Highway 95, an asphalt road, 30 ft. wide, bears N. and S., and at intersection with 22nd Street, bears E. and W., with top inscribed BUREAU OF RECLAMATION and mkd. T10S R25W S35 S36 S2 S1 T11S R25W 19.</p>
	<p>Not remonumented.</p>
	<p>S. $89^{\circ}48'$ W., bet. secs. 2 and 35, on the N. bdy. of the Tp.</p>
	<p>Over a level, asphalt road.</p>
40.11	<p>The $\frac{1}{4}$ sec. cor. of secs. 2 and 35, monumented by person(s) unknown, with a brass tablet, firmly set, buried 10 ins. below the surface of the asphalt, with top inscribed BUREAU OF RECLAMATION and mkd. $\frac{1}{4}$ S35 S2.</p> <p>This is accepted as the best available position of the original cor.</p> <p>Not remonumented.</p>
	<p style="text-align: center;">_____</p>
	<p>S. $89^{\circ}51'$ W., beginning new measurement</p>
39.92	<p>The cor. of secs. 2, 3, 34 and 35, monumented by person(s) unknown, with a rebar $\frac{3}{4}$ in. diam., firmly set, flush with surface of a lateral drain dirt access road, bears N. and S., with worn yellow plastic cap mkd. LS and illegible numbers.</p> <p>from which a 1959 bearing object</p>
	<p style="text-align: center;">A water well, bears S. $54^{\circ}22'$ E., 13.25 chs. dist. (Record: S. $54^{\circ}18'$ E., 13.27 chs. dist.)</p>

0000 000

**Dependent Resurvey of a Portion of the North Boundary,
T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona**

CHAINS

This is accepted as the best available position of the original cor.

At the corner point

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 31 ins. in the ground, with brass cap mkd.

T10S	R25W
S34	S35
S 3	S 2
T11S	
1999	

Deposit the rebar inside the stainless steel post.

Deposit a magnet in a white plastic case at the base of the stainless steel post.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona**

Restoring the resurvey executed by
Robert C. Yundt, in 1959

From the 1/4 sec. cor. of secs. 1 and 2, monumented with the remains of a brass tablet, a stem forming a brass "+", 1½ X 1½ ins., firmly set flush in pavement, in a cement cylinder, 2 ft. diam., as described in the 1959 and 1972-73 dependent resurveys, near the intersection of Estrella Rd., bears E. and W., and the westerly Right of Way of U. S. Highway 95.

Not remonumented.

N. 0°09' W., bet. secs. 1 and 2.

40.00

The cor. of secs. 1, 2, 35 and 36.

From the 1/4 sec. cor. of secs. 2 and 11, monumented with a "PK" nail, firmly set, flush with the surface of a concrete bridge over a concrete lined lateral, bears N. and S, as described in the 1972-73 dependent resurvey.

from which

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>A cross (+) chiseled on a concrete abutment to a bridge, bears S. $38\frac{1}{2}^{\circ}$ W., 24.2 lks. dist.</p> <p>A cross (+) chiseled on a concrete abutment to a bridge, bears S. $23\frac{1}{2}^{\circ}$ E., 20.5 lks. dist.</p> <p>Not remonumented.</p> <p>S. $89^{\circ}31'$ W., bet. secs. 2 and 11.</p> <p>Over level cultivated land with flood control and irrigation improvements.</p>
3.63	Centerline of Yuma Valley Levee.
5.76	<p>Point for AP 5, sec. 2, identical with AP 1, sec. 11, determined at 140 ft. perpendicular to the center line of the Yuma Valley Levee.</p> <p>Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 27 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T11S R25W</p> <p style="text-align: center;"> $\frac{AP5}{AP1} / \frac{S2}{S11}$ </p> <p style="text-align: center;">1999</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>
8.71	Centerline of existing west levee of the San Luis Wastewater Treatment Plant.
9.85	<p>Point for AP 4, sec. 2, identical with AP 2, sec. 11, at the existing west toe of the San Luis Wastewater Treatment Plant Levee.</p> <p>Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T11S R25W</p> <p style="text-align: center;"> $\frac{S2 AP4}{S11} / AP2$ </p> <p style="text-align: center;">1999</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>

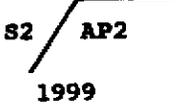
Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona

CHAINS					
15.04	<p>Point for AP 3, sec. 2, identical with AP 11, sec. 11, in cultivated field.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 38 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T11S R25W</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S2</td> <td style="padding: 0 5px;">AP3</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S11</td> <td style="padding: 0 5px;">AP11</td> </tr> </table> <p style="text-align: center;">1999</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>	S2	AP3	S11	AP11
S2	AP3				
S11	AP11				
40.07	<p>The cor. of secs. 2, 3, 10 and 11, monumented with the broken glass memorial, 20 ins. below surface of plowed field.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 53 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T11S R25W</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S3</td> <td style="padding: 0 5px;">S2</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S10</td> <td style="padding: 0 5px;">S11</td> </tr> </table> <p style="text-align: center;">1999</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>	S3	S2	S10	S11
S3	S2				
S10	S11				
40.12	<p>N. 0°06' W., bet. secs. 2 and 3.</p> <p>Over level cultivated land.</p> <p>The 1/4 sec. cor. of secs. 2 and 3, monumented with an iron post, 2 ins. diam., firmly set, 6 ins. below ground, with brass cap mkd. T11S R25W 1/4 S2 S3 1959.</p> <p>Add the marks 1999 to the brass cap.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>N. 0°03' W., beginning new measurement.</p> <p>Over level cultivated land.</p>				

**Subdivision of Section 2,
T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona**

CHAINS	
40.18	<p>The cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the Tp, hereinbefore described..</p> <hr/> <p>From the 1/4 sec. cor. of secs. 2 and 11.</p> <p>N. 0°10' W., on the N. and S. centerline of sec. 2.</p> <p>Over level cultivated land with flood control and irrigation improvements.</p>
39.99	<p>The point for the center 1/4 sec. cor. of sec. 2, at intersection with the E. and W. centerline, on dirt farm road, bears E. and W.</p> <p>Not monumented.</p> <p>From this point, an iron pipe of unknown origin, 3/4 in. diam., firmly set, 2 ins. below surface of dirt road, bears N. 1°57' E., 0.030 ch. dist.</p>
80.06	<p>The 1/4 sec. cor. of secs. 2 and 35, on the N. bdy. of the Tp.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 1 and 2.</p> <p>S. 89°41' W., on the E. and W. centerline of sec. 2.</p>
40.10	<p>The point for the center 1/4 sec. cor. of sec. 2.</p>
80.11	<p>The 1/4 sec. cor. of secs. 2 and 3.</p> <hr/> <p style="text-align: center;">Metes-and-Bounds Survey in Section 2, T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the point for AP1, sec. 2, determined at the intersection of the toe of the west levee to the San Luis Wastewater Treatment Plant and a point westerly of and 140 ft. perpendicular to the centerline of the Yuma Valley Levee.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p>

Metes-and-Bounds Survey in Section 2,
T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T11S R25W</p> <p style="text-align: center;">S2</p>  <p style="text-align: center;">1999</p>
5.46	<p>S. 89°31' W., on line 1-2, sec. 2.</p> <p>Point for AP 2, sec. 2.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T11S R25W</p>  <p style="text-align: center;">1999</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p>
8.42	<p>S. 31°17' W., on line 2-3, sec. 2.</p> <p>AP 3, sec. 2, identical with AP 11, sec. 11, on the line bet. secs. 2 and 11, hereinbefore described.</p>
8.57	<p>From AP 4, sec. 2, identical with AP 2, sec. 11, on the line bet. secs. 2 and 11, hereinbefore described.</p> <p>N. 32°50' E., on line 4-1, sec. 2.</p> <p>AP 1, sec. 2.</p>
4.94	<p>From AP 5, sec. 2, identical with AP 1, sec. 11, on the line bet. secs. 2 and 11, hereinbefore described.</p> <p>N. 3°17' E., on line 5-6, sec. 2.</p> <p>Point for AP 6, sec. 2, determined at a point westerly of and 140 ft. perpendicular to the centerline of the Yuma Valley Levee.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>

**Metes-and-Bounds Survey in Section 2,
T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p align="center">T11S R25W AP6 / S2 1999</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr/> <p>Thence, on line 6-1, sec. 2, along a circular curve to the right, having a central angle of 7°28', a radius of 1140.00 ft., on the westerly 140 ft. Right of Way of the Yuma Valley Levee, the chord of said arc bears N. 6°56' E., 2.248 chs. dist.</p>
2.25	AP 1, sec. 2.
	<p align="center">Metes-and-Bounds Survey in Section 11, T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona</p> <hr/>
	<p>From AP 2, sec. 11, identical with AP 4 sec. 2, on the line bet. secs. 2 and 11, hereinbefore described.</p> <p>S. 32°50' W., on line 2-3, sec. 11.</p>
12.47	Point for AP 3, sec. 11.
	<p>Set a stainless steel post, 28 ins. long, 2¼ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p align="center">T11S R25W S11 / AP3 1999</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr/> <p>S. 49°17' W., on line 3-4, sec. 11.</p>
2.32	Point for AP 4, sec. 11.
	<p>Set a stainless steel post, 28 ins. long, 2¼ ins. diam., 22 ins. in the ground, with brass cap mkd.</p>

Metes-and-Bounds Survey in Section 11,
T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T11S R25W</p> <p style="text-align: center;">S11 / AP4</p> <p style="text-align: center;">1999</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr/> <p>S. 69°49' W., on line 4-5, sec. 11.</p>
2.25	<p>Point for AP 5, sec. 11.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T11S R25W</p> <p style="text-align: center;">S11 / AP 5</p> <p style="text-align: center;">1999</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr/> <p>N. 86°20' W., on line 5-6, sec. 11.</p>
2.20	<p>Point for AP 6, sec. 11.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T11S R25W</p> <p style="text-align: center;">S11 / AP6</p> <p style="text-align: center;">1999</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr/> <p>South, on line 6-7, sec. 11.</p>
4.40	<p>Point for AP 7, sec. 11, on top of levee, bears N. and S.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p>

Metes-and-Bounds Survey in Section 11,
T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p style="text-align: center;">T11S R25W</p> <p style="text-align: center;">S11 AP7</p> <p style="text-align: center;">1999</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr style="width: 30%; margin: auto;"/> <p>East, on line 7-8, sec. 11.</p>
21.27	<p>Point for AP 8, sec. 11.</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 R25W</p> <p style="text-align: center;">AP8 S11</p> <p style="text-align: center;">1999</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr style="width: 30%; margin: auto;"/> <p>North, on line 8-9, sec. 11.</p>
1.01	<p>Point for AP 9, sec. 11, at a point west of and 140 ft. perpendicular to the centerline of the Yuma Valley Levee</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T11S R25W</p> <p style="text-align: center;">AP9 S11</p> <p style="text-align: center;">1999</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr style="width: 30%; margin: auto;"/> <p>Thence, on line 9-10, sec. 11, along a circular curve to the right, having a central angle of 46°03', a radius of 1140.00 ft., on the westerly 140 ft. Right of Way of the Yuma Valley Levee, the chord of said arc bears N. 19°39' W., 13.510 chs. dist.</p>

CERTIFICATE OF SURVEY

I, Daniel L. Maxey, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 1st day of October, 1999, I have dependently resurveyed a portion of the north boundary and a portion of the subdivisional lines, subdivided section 2, and executed the metes-and-bounds surveys in sections 2 and 11, T. 11 S., R. 25 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.

5-1-00

(Date)

Daniel L. Maxey

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the north boundary and a portion of the subdivisional lines, the subdivision of section 2, and the metes-and bounds surveys in sections 2 and 11, T. 11 S., R. 25 W., Gila and Salt River Meridian, Arizona, executed by Daniel L. Maxey, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

May 15, 2000

(Date)

Kenny D. Ramirez

(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. 25 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~