

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF
A PORTION OF THE SUBDIVISIONAL LINES
TOWNSHIP 4 SOUTH, RANGE 2 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Gordon R. Bubel, Cadastral Surveyor

Under Special Instructions dated March 20, 2006, approved March 20, 2006, which provided for the surveys included under Group No. 997, and assignment instructions dated March 20, 2006.

Survey commenced March 28, 2006

Survey completed April 5, 2006

INDEX DIAGRAM

TOWNSHIP 4 SOUTH RANGE 2 EAST
GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 4 S., R. 2 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, Township 4 South, Range 2 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this resurvey is as follows: Wilfred F. Ingalls surveyed the north boundary in 1868. The south, east, west, and a portion of the subdivisional lines were surveyed by Wilfred F. and George P. Ingalls in 1868. Sidney E. Blout resurveyed portions of the south boundary in 1922. Roger F. Wilson resurveyed a portion of the east boundary and a portion of the subdivisional lines in 1936.

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 March 20, 2006, for Group No. 997, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5700 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 horizontal order A, National Geodetic Survey triangulation station "B 422 1980", as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of the corner of sections 35 and 36 only, is as follows:

Latitude: 33°01'44.96" N. Longitude: 112°07'01.34" W.

The mean magnetic declination is 11 1/2° E.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 4 S., R. 2 E., Gila and Salt River Meridian, Arizona**

Restoring the resurvey executed by
Roger F. Wilson, in 1936

Beginning at the cor. of secs. 35 and 36 only, on the S. bdy. of the Tp., monumented with the remains of the 1922 iron post, 2 ins. diam., set 34 ins. below the surface of the ground, with brass cap missing.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 4 S., R. 2 E., Gila and Salt River Meridian, Arizona

CHAINS

from which bearing objects not of record

A nail driven flush on the E. side of a 8 ins. diam., wood power pole, bears S. $41\ 3/4^\circ$ W., 1.955 chs. dist., with 3 ins. long aluminum tag, attached above nail, etched GLO 129.17.

A nail driven flush on the N. side of a 8 ins. diam., wood power pole, bears N. 73° W., 1.665 chs. dist., with 3 ins. long aluminum tag, attached above nail, etched GLO 109.71.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, encased in concrete, over existing iron post, with brass cap mkd.

T 4 S	R 2 E
S 35	S 36
T 5 S	R 2 E
S 1	

2006

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

Cor. is located in Farrell Road, (asphalt surface, bears E. and W.), 6 lks. N. of the south edge of pavement, and on the extension of Ralston road, bearing N.

From this cor. point, A order, National Geodetic Survey triangulation station "B 422 1980", with published latitude of $33^\circ 03' 18.64594''$ N. and longitude of $112^\circ 02' 48.27381''$ W., NAD 83(1992), bears N. $66^\circ 15'$ E., (forward bearing), 356.57 chs. dist., monumented with a stainless steel rod, 1/2 in. diam., set in a 5 ins. diam., concrete and plastic sleeve, 5 ins. below the surface, top lid to sleeve has been removed.

From this same cor. point, the closing cor. of secs. 1 and 2, T. 5 S., R. 2 E., monumented with a stainless steel post, 2 1/2 ins. diam., set in concrete, flush with the surface of Farrell road, with brass cap mkd. T4S R2E S35 S2 S1 T5S R2E CC 2006, bears N. $89^\circ 20'$ W., 68 lks. dist. This corner was remonumented, in 2006, during the dependent resurvey of a portion of the subdivision lines of T. 5 S., R. 2 E., executed under Group No. 999.

N. $0^\circ 59'$ W., bet. secs. 35 and 36.

Within the pavement of Ralston road, on the W. bdy. of the Ak-Chin Indian Community.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 4 S., R. 2 E., Gila and Salt River Meridian, Arizona

CHAINS	
39.96	<p>Point accepted for the 1/4 sec. cor. of secs. 35 and 36, determined from reference monuments established by Pinal County Department of Public Works</p> <p style="padding-left: 40px;">A rebar, 1/2 in. diam., firmly set, projecting 1 in. above ground, bears N. 40 1/2° E., 1.365 chs. dist.</p> <p style="padding-left: 40px;">A rebar, 1/2 in. diam., firmly set, projecting 1 in. above ground, bears S. 50 1/2° E., 1.18 chs. dist.</p> <p>This is accepted as the best available evidence of the orig. cor. position.</p> <p>At the corner point</p> <p>Drive a railroad spike, 6 1/2 ins. long, 3 ins. below the pavement, and set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, in concrete above the railroad spike, flush with the pavement, with top mkd.</p> <p style="text-align: center;">T 4 S R 2 E 1/4 S 35 S 36</p> <p style="text-align: center;">2006</p> <p>Cor. is located in pavement of Ralston road, 24.5 lks. W. of the east edge of pavement and 19 lks. E. of the west edge of pavement.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°58' W., beginning new measurement.</p>
39.93	<p>The cor. of secs. 25, 26, 35 and 36, perpetuated by Pinal County Department of Public Works, monumented with a rebar, 1/2 in. diam., set 6 ins. below the pavement of Ralston road. This is accepted as a careful and faithful perpetuation of the orig. cor.</p> <p>from which a reference monument, established by Pinal County Department of Public Works</p> <p style="padding-left: 40px;">A rebar, 1/2 in. diam., firmly set, projecting 2 ins. above ground, bears S. 36 1/2° E., 1.56 chs. dist.</p> <p>At the corner point</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, in concrete above the rebar, flush with the pavement, with top mkd.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 4 S., R. 2 E., Gila and Salt River Meridian, Arizona

CHAINS

T 4 S	R 2 E
S 26	S 25
S 35	S 36

2006

Cor. is located in pavement of Ralston road, 22 lks. W. of the east edge of pavement and 22 lks. E. of the west edge of pavement.

N. 0°29' W., bet. secs. 25 and 26.

Within the pavement of Ralston road, on the W. bdy. of the Ak-Chin Indian Community.

39.94

Point accepted for the 1/4 sec. cor. of secs. 25 and 26, perpetuated by Pinal County Department of Public Works, occupied with a rebar, 1/2 in. diam., set 4 ins. below the pavement of Ralston road. This is accepted as the best available evidence of the orig. cor. position.

from which reference monuments, established by Pinal County Department of Public Works

A rebar, 1/2 in. diam., firmly set, projecting 1 in. above ground, bears N. 33° E., 1.76 chs. dist.

A rebar, 1/2 in. diam., firmly set, projecting 1 in. above ground, bears S. 38 1/2° E., 1.525 chs. dist.

A rebar, 1/2 in. diam., firmly set, projecting 1 in. above ground, bears S. 32 3/4° W., 1.715 chs. dist.

At the corner point

Set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, in concrete above the rebar, flush with the pavement, with top mkd.

T 4 S	R 2 E
1/4	
S 26	S 25

2006

Deposit a magnet, in a white plastic case, beneath the brass tablet.

Cor. is located in pavement of Ralston road, 22 lks. W. of the east edge of pavement and 21.5 lks. E. of the west edge of pavement.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 4 S., R. 2 E., Gila and Salt River Meridian, Arizona

CHAINS																			
39.94	<p>N. 0°28' W., beginning new measurement.</p> <p>The cor. of secs. 23, 24, 25 and 26, perpetuated by Pinal County Department of Public Works, monumented with a 60D spike nail, set 5 ins. below the pavement of Ralston road. This is accepted as a careful and faithful perpetuation of the orig. cor.</p> <p>from which a reference monument, established by Pinal County Department of Public Works</p> <p style="padding-left: 40px;">A rebar, 1/2 in. diam., firmly set, projecting 1/2 in. above ground, bears N. 89 1/2° E., 89 lks. dist.</p> <p>At the corner point</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, in concrete above the 60D spike nail, flush with the pavement, with top mkd.</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 0 5px;">T</td> <td style="padding: 0 5px;">4</td> <td style="padding: 0 5px;">S</td> <td style="padding: 0 5px;">R</td> <td style="padding: 0 5px;">2</td> <td style="padding: 0 5px;">E</td> </tr> <tr> <td style="padding: 0 5px;">S</td> <td style="padding: 0 5px;">23</td> <td style="border-left: 1px solid black; padding: 0 5px;"> </td> <td style="padding: 0 5px;">S</td> <td style="padding: 0 5px;">24</td> <td></td> </tr> <tr> <td style="padding: 0 5px;">S</td> <td style="padding: 0 5px;">26</td> <td style="border-left: 1px solid black; padding: 0 5px;"> </td> <td style="padding: 0 5px;">S</td> <td style="padding: 0 5px;">25</td> <td></td> </tr> </table> <p style="text-align: center;">2006</p> <p>Deposit a magnet, in a white plastic case, beneath the brass tablet.</p> <p>Cor. is located in pavement of Ralston road, 22 lks. W. of the east edge of pavement and 22 lks. E. of the west edge of pavement.</p>	T	4	S	R	2	E	S	23		S	24		S	26		S	25	
T	4	S	R	2	E														
S	23		S	24															
S	26		S	25															
39.94	<p>N. 0°06' W., bet. secs. 23 and 24.</p> <p>Within the pavement of Ralston road, on the W. bdy. of the Ak-Chin Indian Community.</p> <p>Point accepted for the 1/4 sec. cor. of secs. 23 and 24, perpetuated by Pinal County Department of Public Works, occupied with a rebar, 1/2 in. diam., set 5 ins. below the pavement of Ralston road. This is accepted as the best available evidence of the orig. cor. position.</p> <p>from which reference monuments, established by Pinal County Department of Public Works</p> <p style="padding-left: 40px;">A rebar, 1/2 in. diam., firmly set, projecting 1 in. above ground, bears N. 59 1/2° E., 1.575 chs. dist.</p> <p style="padding-left: 40px;">A rebar, 1/2 in. diam., firmly set, projecting 1 in. above ground, bears S. 46 1/2° E., 1.24 chs. dist.</p>																		

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 4 S., R. 2 E., Gila and Salt River Meridian, Arizona

CHAINS

At the corner point

Set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, in concrete above the rebar, flush with the pavement, with top mkd.

T 4 S	R 2 E
1/4	
S 23	S 24

2006

Deposit a magnet, in a white plastic case, beneath the brass tablet.

Cor. is located in pavement of Ralston road, 22.5 lks. W. of the east edge of pavement and 22.5 lks. E. of the west edge of pavement.

N. 0°06' W., beginning new measurement.

39.95

Point accepted for the cor. of secs. 13, 14, 23 and 24, occupied with a rebar, 1/4 in. diam., of unknown origin, set 7 ins. below the pavement of Ralston road. This is accepted as the best available evidence of the orig. cor. position.

from which a reference object of unknown origin

A rebar, 5/8 in. diam., firmly set, projecting 2 ins. above ground, bears S. 89 1/2° E., 88.5 lks. dist.

At the corner point

Set a brass tablet, 3 1/4 ins. diam., 3 1/2 ins. stem, in concrete above the rebar, flush with the pavement, with top mkd.

T 4 S	R 2 E
S 14	S 13
S 23	S 24

2006

Deposit a magnet, in a white plastic case, beneath the brass tablet.

Cor. is located in pavement of Ralston road, 21.5 lks. W. of the east edge of pavement and 23 lks. E. of the west edge of pavement.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 4 S., R. 2 E., Gila and Salt River Meridian, Arizona**

CHAINS

From the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., monumented with an iron post, 2 ins. diam., filled with and set in concrete, projecting 1 in. above ground, with the brass cap, rusted and lying loose nearby, mkd. T4S R2E R3E S13 S18 S24 S19 MIR 1936.

At the corner point

Construct a 5 1/2 in. diam. form around iron post, fill with concrete and seat the brass cap in the concrete above the iron post.

Add the marks 2006 to the brass cap.

Cor. is located 0.5 lks. W. of an iron fence cor., with barbed wire fences extending N. and W.

N. 89°43' W., bet. secs. 13 and 24.

Between cultivated fields, on the N. bdy. of the Ak-Chin Indian Community.

39.88

The 1/4 sec. cor. of secs. 13 and 14, monumented with an iron post, 1 in. diam., filled with and set in concrete, 12 ins. below the surface of ground, with no brass cap, with an attached 2 ins. diam. aluminum wafer, stamped HUITT-ZOLLARS T4S R2E 24 13 1/4 2005 RLS 33874.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, encased in concrete over existing iron post, in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd.

T 4 S R 2 E
S 13
1/4 ———
S 24

2006

Set a steel fence post, alongside the stainless steel post.

Cor. is located 56 lks. S. of the center of a graded road bearing E. and W., and 26 lks. N. of the center of a graded road bearing E. and W.

From this cor. point, a rebar, 1/2 in. diam., firmly set, 4 ins. below the surface of ground, with a 1 in. plastic cap stamped CAN-AM RLS 34554, bears N. 50 1/2° E., 1 lk. dist.

N. 89°43' W., beginning new measurement.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 4 S., R. 2 E., Gila and Salt River Meridian, Arizona**

<p>CHAINS</p> <p>39.86</p>	<p>The cor. of secs. 13, 14, 23 and 24.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>The area embraced in this survey is located about four miles west of the city of Maricopa, Arizona. Access is by State Highway No. 238, and numerous Pinal County roads.</p> <p>The terrain is flat, with about one half of the lands growing alfalfa and one half being Ak-Chin Indian Community ancestral lands.</p> <p>Irrigation canals are numerous in the cultivated lands, with several small washes draining N. and NNE into Vekol Wash in the uncultivated lands.</p> <p>The mean magnetic declination of 11 1/2° E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the International Geomagnetic Reference Field (IGRF), version 10, for the dates of survey.</p> <hr/>
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CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 20th day of March, 2006, I have dependently resurveyed a portion of the subdivisional lines, T. 4 S., R. 2 E., of the Gila and Salt River Meridian, in the State of 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, 1973, and in specific manner described in the foregoing field notes.

12/13/2006
(Date)

Gordon R. Bubel
(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, T. 4 S., R. 2 E., Gila and Salt River Meridian, in the State of Arizona, executed by Gordon R. Bubel, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

01/08/2007
(Date)

Stephen H. Hansen
(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 S., R. 2 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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