

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY
OF
A PORTION OF THE SOUTH BOUNDARY
TOWNSHIP 4 SOUTH, RANGE 2 EAST,
AND
A PORTION OF THE SUBDIVISIONAL LINES
TOWNSHIP 5 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. 999, and assignment instructions dated March 20, 2006.

Survey commenced March 27, 2006

Survey completed May 16, 2006

INDEX DIAGRAM

TOWNSHIP 5 SOUTH RANGE 2 EAST
 GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 5 S., R. 2 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the south boundary, Township 4 South, Range 2 East and a portion of the subdivisional lines, Township 5 South, Range 2 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this resurvey is as follows: The east boundary was surveyed in 1868 by George P. Ingalls. In 1922, Sidney E. Blout resurveyed the east boundary reestablishing found corners and proportioning missing corners to refer to township 5 south range 3 east only, and established section and quarter section corners referring to township 5 south, range 2 east only at 40.00 chains intervals beginning at the standard closing corner of townships 5 and 6 south, range 2 east. In 1868, William F. Ingalls surveyed the west 1 1/2 miles and the east 3 miles and 52 chs. of the north boundary. In 1922, Sidney E. Blout completed and resurveyed the north boundary, reestablishing section and quarter section corners for township 4 south, range 2 east only, and established quarter section corners for township 5 south, range 2 only. The subdivisional lines were surveyed by Sydney E. Blout in 1922, and closing corners were established at the intersection with the north boundary.

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. 999, 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 triangulation station "B 422 1980" as published by the National Geodetic Survey, NAD 83 (1992). The geographic position of the corner of sections 12 and 13 only, on the east boundary of the township is as follows:

Latitude: 33°00'00.13" N. Longitude: 112°06'00.29" W.

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

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

CHAINS	
	<p style="text-align: center;">Restoring the survey executed by Sidney E. Blout, in 1922</p> <hr/>
	<p>Beginning at the cor. of secs. 35 and 36 only, T. 4 S., R. 2 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set in concrete, flush with the surface of Farrell road, with brass cap mkd. T4S R2E S35 S36 T5S R2E S1 2006.</p>
	<p>This cor. was remonumented as part of the dependent resurvey of a portion of the subdivisional lines of T. 4 S., R. 2 E., executed in 2006, under Group No. 997.</p>
	<p>N. 89°20' W., on the S. bdy. of sec. 35.</p>
	<p>Within the pavement of Farrel road, on the N. bdy. of the Ak-Chin Indian Community.</p>
0.68	<p>The closing cor. of secs. 1 and 2, T. 5 S., R. 2 E., hereinafter described.</p>
	<p>Departing from the Ak-Chin Indian Community boundary.</p>
39.56	<p>Point accepted for the 1/4 sec. cor. of sec. 35 only, occupied with a rebar, 1/2 in. diam., firmly set, 4 ins. below the pavement of Farrel road, of unknown origin, with 2 ins. diam. aluminum wafer, stamped HUITT-ZOLLARS RLS 33874. This is accepted as the best available evidence of the orig. cor. position.</p>
	<p>Not remonumented.</p>
	<p>Cor. is located in south edge of pavement of Farrel road, 20 ft. wide, bears E. and W.</p>
	<p>From this cor. point, the cor. of secs. 34 and 35 only, T. 4 S., R. 2 E., monumented with an iron post, 2 ins. diam., set 12 ins. below the surface of ground, with brass cap mkd. T4S R2E S34 S35 S2 T5S R2E 1936, bears N. 89°20' W., 39.56 chs. dist.</p> <hr/>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 5 S., R. 2 E., Gila and Salt River Meridian, Arizona**

CHAINS

Restoring the survey executed by
Sidney E. Blout, in 1922

From the cor. of secs. 12 and 13 only, on the E. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above ground, encircled with a collar of stone, with a steel fence post set alongside and with brass cap mkd. T5S T5S R2E R3E S12 S7 S13 2006.

This cor. was reestablished in 2006, during the dependent resurvey of a portion of the west boundary of T. 5 S., R. 3 E., executed under Group No. 1000.

Cor. is located N. 20° W., 3.5 lks. dist., from a fence cor. with barbed wire fences extending S. and W.

From this cor. point, an aluminum post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with aluminum cap mkd. PINAL COUNTY 502141 RLS 37512 HWY DEPT. 2004, established by Taylor S. Hansen, Arizona R.L.S. No. 37512 in 2004, bears S. 9°20' W., 3 lks. dist. Cor. was established using improper control and is not utilized in the course of this resurvey.

From this same cor. point, A order, National Geodetic Survey triangulation station "B 422 1980", with published latitude of 33°03'18.64594" N. and longitude of 112°02'48.27381" W., NAD 83(1992), bears N. 39°10' E., (forward bearing), 392.16 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.

N. 89°59' W., bet. secs. 12 and 13.

In and along barbed wire fence, on the S. bdy. of the Ak-Chin Indian Community.

39.96

The 1/4 sec. cor. of secs. 12 and 13, monumented with an iron post, 1 in. diam., set 18 ins. below the surface of ground, with a 14 ins. long portion of the iron post, lying loose nearby, which has a 3 in. diam., brass tablet with a 3 in. diam., stem driven inside, with top mkd. B.L.S. 1/4 12 13 T-5S R-2E L.S. 6451.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, encased in concrete, over the existing iron post, with brass cap mkd.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 5 S., R. 2 E., Gila and Salt River Meridian, Arizona

CHAINS

T 5 S R 2 E
S 12
1/4 ———
S 13

2006

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

Set a steel fence post alongside the stainless steel post.

Bury the 14 ins. long portion of the iron post and the brass tablet at the base of the stainless steel post.

Cor. is located 1 lk. S. of a barbed wire fence bearing E. and W., and 5.5 lks. N. of the north edge of pavement of Peters and Nall road, bearing E. and W., and on the northerly extension of Brewer road, bearing S.

N. 89°56' W., beginning new measurement.

39.96

Point accepted for the cor. of secs. 11, 12, 13 and 14, occupied with a rebar, 1/2 in. diam., firmly set, 7 ins. below the pavement of Ralston road, of unknown origin. This is accepted as the best available evidence of the orig. cor. position.

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 5 S R 2 E
S 11 | S 12
S 14 | S 13

2006

Deposit a magnet in a white plastic case at the base of the brass tablet, and bury a railroad spike, 6 ins. long, alongside.

Cor. is located in pavement of Ralston road, 23.5 lks. W. of the east edge of pavement and 17.5 lks. E. of the west edge of pavement.

N. 0°09' E., bet. secs. 11 and 12.

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. 5 S., R. 2 E., Gila and Salt River Meridian, Arizona**

CHAINS

39.99

The 1/4 sec. cor. of secs. 11 and 12, monumented with an iron post, 1 in. diam., firmly set, 8 ins. below the pavement of Ralston road, with brass cap mkd. 1/4 S11 S12 1922.

At the corner point

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

T 5 S R 2 E
1/4
S 11 | S 12

2006

Bury a railroad spike, 6 ins. long, alongside the brass tablet.

Cor. is located in pavement of Ralston road, 34 lks. W. of the east edge of pavement and 5 lks. E. of the west edge of pavement.

N. 0°11' E., beginning new measurement.

40.01

The cor. of secs. 1, 2, 11 and 12, monumented with an iron post, 2 ins. diam., firmly set, 5 ins. below the pavement of Ralston road, with brass cap mkd. T5S R2E S2 S1 S11 S12 1922.

At the corner point

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

T 5 S R 2 E
S 2 | S 1
S 11 | S 12

2006

Deposit a magnet in a white plastic case at the base of the brass tablet.

Cor. is located in pavement of Ralston road, 35 lks. W. of the east edge of pavement and 4 lks. E. of the west edge of pavement.

N. 0°09' E., bet. secs. 1 and 2.

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. 5 S., R. 2 E., Gila and Salt River Meridian, Arizona**

CHAINS	
40.00	<p>Point accepted for the 1/4 sec. cor. of secs. 1 and 2, occupied with an open end iron pipe, 2 ins. diam., firmly set, 3 ins. below the pavement of Ralston road, of unknown origin, with a 2 ins. diam., damaged aluminum washer, stamped RLS 33874, set alongside. This is accepted as the best available evidence of the orig. cor. position.</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 iron pipe, flush with the pavement, with top mkd.</p> <p style="text-align: center;">T 5 S R 2 E 1/4 S 2 S 1</p> <p style="text-align: center;">2006</p> <p>Deposit a magnet in a white plastic case at the base of the brass tablet.</p> <p>Cor. is located in pavement of Ralston road, 23 lks. W. of the east edge of pavement and 16.5 lks. E. of the west edge of pavement.</p> <p>From this cor. point, a rebar, 1/2 in. diam., set flush with the pavement of Ralston road, with affixed plastic cap stamped LS 12600, bears N. 2°07' E., 12 lks. dist. This cor. is identical with the SE cor. of Thunderbird Farms North, a platted subdivision on file at the Pinal County Recorders Office.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°10' E., beginning new measurement.</p>
40.50	<p>The closing cor. of secs. 1 and 2, monumented with an iron post, 2 ins. diam., set 24 ins. below the pavement of Farrell road, with brass cap mkd. T4S R2E S35 S2 S1 T5S R2E CC 1922.</p> <p>At the corner point</p> <p>Set a stainless steel post, 24 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, encased in concrete, over existing iron post, with brass cap mkd.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 5 S., R. 2 E., Gila and Salt River Meridian, Arizona**

CHAINS

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

2006

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

Cor. is located in Farrell road, 6 lks. N. of the south edge of pavement, bears E. and W., and at the terminus of Ralston road, bears S.

From this cor. point, the cor. of secs. 35 and 36 only, T. 4 S., R. 2 E., hereinbefore described, bears S. 89°20' E., 68 lks. dist.

From this same cor. point, the 1/4 sec. cor. of sec. 35 only, T. 4 S., R. 2 E., hereinbefore described, bears N. 89°20' W., 38.88 chs. dist.

GENERAL DESCRIPTION

The area embraced in this resurvey is located adjacent to the city of Maricopa, Arizona. Access is by way of State Highways Numbers 238 and 347, as well as numerous Pinal County roads.

The terrain is flat, sections 1 and 12, are part of the Ak-Chin Indian Community and are under cultivation. Sections 2, 11, 13 and 14 are occupied with low density housing.

The mean magnetic declination of 11 1/2° E. was derived from United States Geological Survey computer program GEOMAG, utilizing the International Geomagnetic Reference Field (IRGF), version 10, for the dates of survey.

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 south boundary, T. 4 S., R. 2 E. and a portion of the subdivisinal lines, T. 5 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)

MR. 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 south boundary, T. 4 S., R. 2 E. and a portion of the subdivisinal lines, T. 5 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.

1/08/2007
(Date)

Stephen K. 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. 5 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)~~