

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A
PORTION OF THE SUBDIVISION OF SECTION LINES IN SECTION 8
AND
THE SUBDIVISION OF
THE SW 1/4 OF THE NE 1/4 OF THE SW 1/4 OF SECTION 8,
TOWNSHIP 7 SOUTH, RANGE 27 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Gordon R. Bubel, Cadastral Surveyor

Under Special Instructions dated June 6, 2013, approved June 6, 2013, and Supplemental Special Instructions dated January 30, 2014, approved January 30, 2014, which provided for the surveys included under Group No. 1119, and assignment instructions dated June 6, 2013.

Survey commenced February 18, 2014

Survey completed February 19, 2014

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TOWNSHIP 7 SOUTH RANGE 27 EAST
GILA & SALT RIVER MERIDIAN, ARIZONA

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T. 7 S., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivision of section lines in section 8 and the subdivision of the SW 1/4 of the NE 1/4 of the SW 1/4 of section 8, Township 7 South, Range 27 East, Gila and Salt River Meridian, Arizona.

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

Ty White surveyed the subdivisional lines of section 8, in 1875.

Paul G. Bauer and Robert F. Johnson resurveyed the subdivisional lines of section 8, and subdivided section 8 in 1965-1966.

Gordon R. Bubel, under this same group, dependently resurveyed a portion of the subdivisional lines, portions of the subdivision of section lines within section 8 and the subdivision of the SW 1/4 of section 8, in 2013.

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, 2009, the Special Instructions dated June 6, 2013, and the Supplemental Special Instructions dated January 30, 2014, for Group Number 1119, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation R8 and 5800 model receivers.

Preliminary to the resurvey, the lines of the prior surveys were retraced and a search was made for all corners and other calls of record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from Arizona Department of Transportation triangulation station SAN JOSE, as published by the National Geodetic Survey. The NAD 83 (2011) geographic position of the center S. 1/16 section corner of section 8, is as follows:

Latitude: 32°50'04.427" N. Longitude: 109°36'18.709" W.

The NAD 83 (2011) geographic position of the 1/4 section corner of sections 7 and 8, is as follows:

Latitude: 32°50'17.515" N. Longitude: 109°36'49.722" W.

The mean magnetic declination is 9 3/4° E.

Dependent Resurvey of a portion of
the subdivision of section lines in section 8,
T. 7 S., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Restoring the survey executed by Gordon R. Bubel in 2013 and the survey executed by Paul G. Bauer in 1965-1966.
	Beginning at the center S 1/16 sec. cor. of sec. 8, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd. T7S R27E C S 1/16 S8 C 1966 2013. Witnessed by a mound of stone, 3 1/2 ft. base, 1 1/2 ft. high, W. of the cor.
	From this cor., Arizona Department of Transportation, triangulation station SAN JOSE, bears S. 37°51' E., 128.47 chs. dist. Monumented with an aluminum disk, 3 1/2 ins. diam, set in a 10 ins. diam. concrete form, projecting 2 ins. above ground, with aluminum disk stamped; ARIZONA D.O.T. HWY. DIV. SAN JOSE 1985 P&M GEODETIC SURVEY and a triangle.
	N. 0°05' E., on N. 1/2 of the S. 1/2 of the N. and S. center line of sec. 8.
	Ascending out of Gila River flood plain, over E. face of mesa.
2.90	Power line, bears N. 35° E. and S. 35° W.
9.975	The center N-S 1/64 sec. cor. of sec. 8, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground,, in a mound of stone, 3 ft. base, to top, with brass cap mkd. T7S R27E C N-S 1/64 S8 C 2013.
	N. 0°05' E., beginning new measurement.
9.975	The center 1/4 sec. cor. of sec. 8, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd. T7S R27E C 1/4 S8 C 1966 2013. Witnessed by a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, is W. of cor.
	N. 89°52' W., on the W 1/2 of the E. and W. center line of sec. 8.
	Over N. facing slopes of mesa, descending.
10.03	Point for the C-E-W 1/64 sec. cor. of sec. 8, not monumented.
11.70	Main wash within Big Canyon, 1 ch. wide, drains S., from N. 10° W.
15.70	Power line, 3 pole, 5 wire, bears N. 5° E. and S. 5° W.
20.065	Point for the center W 1/16 sec. cor. of sec. 8, not monumented.

Dependent Resurvey of a portion of
the subdivision of section lines in section 8,
T. 7 S., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
22.10	Graded road, 8 ft. wide, bears N. 20° E. and S. 20° W. Thence ascend out of Big Canyon.
40.12	The 1/4 sec. cor. of secs. 7 and 8, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, encircled with a collar of stone, with brass cap mkd. T7S R27E 1/4 S7 S8 1966 2013. Witnessed by a mound of stone, 3 ft. base, 1 1/2 ft. high, is W. of the cor.
<hr/> <p>Subdivision of NE 1/4 of the SW 1/4 of Section 8, T. 7 S., R. 27 E., Gila and Salt River Meridian, Arizona</p> <hr/>	
	From the SW 1/16 sec. cor. of sec. 8, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. T7S R27E SW 1/16 S8 2013.
	N. 0°02' W., on the N 1/2 of the N. and S. center line of the SW 1/4 of sec. 8.
0.20	Left cut bank of Big Canyon, extends N. 35° E. and S. 35° W.
4.20	Main wash within Big Canyon, 30 lks. wide, drains S. 35° W., from N. 35° W.
4.70	Bladed road, with underground water line, bears N. 75° E. and S. 75° W.
4.983	Point for the C-S-N-SW 1/256 sec. cor. of sec. 8. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	<p>T 7 S R 27 E C-S-N-SW 1/256 S8 2014</p>
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
9.965	The center N-SW 1/64 sec. cor. of sec. 8, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set projecting 8 ins. above ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. T7S R27E C N-SW 1/64 S8 C 2013.

Subdivision of NE 1/4 of the SW 1/4 of Section 8,
T. 7 S., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	N. 0°02' W., beginning new measurement.
9.965	Point for the center W 1/16 sec. cor. of sec. 8, hereinbefore described.
	<hr/> From the center S 1/16 sec. cor. of sec. 8, hereinbefore described.
	N. 89°49' W., on the E. 1/2 of the E. and W. center line of the SW 1/4 of sec. 8.
	Over rolling and broken land.
10.013	Point for the C-E-SW 1/64 sec. cor. of sec. 8, not monumented.
15.90	Graded road, 8 ft. wide, bears N. 45° E., curving E. and S. 45° W., curving S.
17.20	Power line, 3 pole, 5 wire, bears N. 5° E. and S. 5° W.
20.025	The SW 1/16 sec. cor. of sec. 8.
	From this cor. point, the S 1/16 sec. cor. of secs. 7 and 8, bears N. 89°49' W., 20.025 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, in a mound of stone, 2 ft. base, to top, with brass cap mkd. T7S R27E S1/16 S7 S8 1966 2013. Witnessed by a steel fence post set alongside and S. of the cor.
	<hr/> From the point for the C-E-SW 1/64 sec. cor. of sec. 8.
	N. 0°01' E., on the N. and S. center line of the NE 1/4 of the SW 1/4, sec. 8.
4.985	Point for the C-S-NE-SW 1/256 sec. cor. of sec. 8.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd.
	<p style="text-align: center;">T 7 S R 27 E C-S-NE-SW 1/256 S8 2014</p>
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
9.969	Point for the NE-SW 1/64 sec. cor. at intersection with the E. and W. center line of the NE 1/4 of the SW 1/4 of sec. 8.

Subdivision of NE 1/4 of the SW 1/4 of Section 8,
T. 7 S., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T 7 S R 27 E NE-SW 1/64 S8 2014</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
19.939	<p>The point for the C-E-W 1/64 sec. cor. of sec. 8, hereinbefore described.</p> <hr/> <p>From the C-N-S 1/64 sec. cor. of sec. 8, hereinbefore described.</p> <p>N. 89°50' W., on the E. and W. center line of the NE 1/4 of the SW 1/4 of sec. 8.</p> <p>Across E. face of mesa.</p>
0.40	Bladed road, with underground water line, bears N. 75° E. and S. 75° W.
3.95	From this point, an abandoned bulldozer, bears S, 1.00 chs. dist.
10.023	The NE-SW 1/64 sec. cor. of sec. 8.
13.00	Bottom of cut bank of Big Canyon, bears N. 30° E. and S. 30° W.
14.50	Main wash within Big Canyon, 50 lks. wide, drains S. 15° W., from N. 15° E.
16.45	Power line, 3 pole, 5 wire, bears N. 5° E. and S. 5° W.
20.045	The C-N-SW 1/64 sec. cor. of sec. 8, hereinbefore described.
	<hr/> <p style="text-align: center;">Subdivision of SW 1/4 of the NE 1/4 of the SW 1/4 of Section 8, T. 7 S., R. 27 E., Gila and Salt River Meridian, Arizona</p> <hr/> <p>From the C-S-NE-SW 1/256 sec. cor. of sec. 8.</p> <p>N. 89°50' W., on the E. and W. center line of the SW 1/4 of the NE 1/4 of the SW 1/4 of sec. 8.</p>
5.80	Left cut bank of Big Canyon, extends N. 35° E. and S. 35° W.
6.85	Power line, 3 pole, 5 wire, bears N. 5° E. and S. 5° W.

Subdivision of SW 1/4 of the NE 1/4 of the SW 1/4 of Section 8,
T. 7 S., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
9.40	Main wash within Big Canyon, 50 lks. wide, drains S. 50° W.
10.017	The C-S-N-SW 1/256 sec. cor. of sec. 8.
<hr/> GENERAL DESCRIPTION <hr/>	
<p>The area surveyed is located within the mesas and draws on the N. side of the Gila River, about 2 miles N. of the settlement of San Jose. The elevation range is from 3000-3100 ft. (NAVD 88). Access is by way of US Highway No. 70 and Sanchez Road. Sage, creosote and mesquite are the dominant vegetation.</p>	
<p>The magnetic declination of 9 3/4° E. was derived from the NOAA, utilizing the IGRF11 Magnetic Model, for the dates of survey.</p> <hr/>	

CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 13th day of June, 2013, and supplemental special instructions bearing date of the 10th day of January 2014, I have dependently resurveyed a portion of the subdivision of section lines within section 8, and the subdivision of the SW 1/4 of the NE 1/4 of the SW 1/4 of section 8, Township 7 South, Range 27 East, 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, 2009, and in specific manner described in the foregoing field notes.

JUNE 23, 2014
(Date)

Gordon R. Bubel
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependently resurveyed portion of the subdivision of section lines within section 8, and the subdivision of the SW 1/4 of the NE 1/4 of the SW 1/4 of section 8, Township 7 South, Range 27 East, 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.

July 8, 2014
(Date)

[Signature]
(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY That the foregoing transcript of the field notes of the above described surveys in Township 7 South, Range 27 East, Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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