

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY
OF A PORTION OF THE SUBDIVISIONAL LINES
AND THE
SUBDIVISION OF
SECTION 14,
TOWNSHIP 18 NORTH, RANGE 19 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 10, 2010, approved June 10, 2010, which provided for the surveys included under Group No. 1082, and assignment instructions dated June 10, 2010.

Survey commenced June 15, 2010

Survey completed June 22, 2010

INDEX DIAGRAM

TOWNSHIP 18 NORTH RANGE 19 EAST
GILA AND SALT RIVER MERIDIAN, ARIZONA

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T. 18 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines and the subdivision of section 14, Township 18 North, Range 19 East, Gila and Salt River Meridian, Arizona.

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

John L. Harris surveyed the subdivisional lines in 1879. Sidney E. Blout resurveyed a portion of the subdivisional lines in 1920-1921. F. Wayne Forrest and Claude F. Warner retraced portions of the subdivisional lines in 1944.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 2009, and the Special Instructions dated June 10, 2010, for Group Number 1082, 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 Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) AZFL NAU FLAGSTAFF CORS ARP, AZSV STAR VALLEY CORS ARP and P015 DEUCECLUBSAZ2005 CORS ARP.

The NAD 83 (CORS96) (EPOCH: 2002), geographic position of the SE section corner of section 14, is as follows:

Latitude: 34°57'35.59" N. Longitude: 110°17'17.85" W.

The NAD 83 (CORS96) (EPOCH: 2002), geographic position of the NW section corner of section 14, is as follows:

Latitude: 34°58'01.20" N. Longitude: 110°18'22.34" W.

The mean magnetic declination is 10 3/4° E.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 18 N., R. 19 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p style="text-align: center;">Restoring the resurvey executed by Sidney E. Blout, in 1920-1921</p> <hr/>
	<p>Beginning at the point for the cor. of secs. 13, 14, 23 and 24, determined by ties established by Arizona Public Service Co. A copy of Arizona Public Service Company's survey notes, detailing their measurements and procedures, was amended to the field note record of book No. R1400.</p>
	<p>From this cor. point, the witness cor. to the cor. of secs. 13, 14, 23 and 24, established by Arizona Public Service Co. bears S. 89°54' E., 10.50 chs. dist., monumented with an iron post, 2 ins. diam., firmly set, projecting 12 ins. above ground, seated in concrete, with 2 ins. diam. brass cap mkd. A.P.S. CO. 1976 14 13 23 24 W.C. T.18N. R.19E. W.C.</p>
	<p>Cor. is located within Arizona Public Service Co. waste water pond.</p>
	<p>N. 0°20' W., bet. secs. 13 and 14.</p>
	<p>Across Arizona Public Service Co. waste water pond.</p>
20.16	<p>Point for the S. 1/16 sec. cor. of secs. 13 and 14; falls in waste water pond, not monumented.</p>
30.24	<p>Point for the N-S 1/64 sec. cor. of secs. 13 and 14; falls in waste water pond, not monumented.</p>
40.32	<p>The 1/4 sec. cor. of secs. 13 and 14, monumented with an iron post, 1 in. diam., firmly set, projecting 16 ins. above ground, in a collar of stone, with brass cap mkd. 1/4 S14 S13 1921. Add the marks T18N R19E 2010 to the brass cap.</p>
	<p>Cor. is located in a barbed wire fence, bears E. and W., 2.5 lks. E. of intersection with barbed wire fence bearing N.</p> <hr/>
	<p>N. 0°48' W., beginning new measurement.</p>
	<p>Over broken and rolling land, through scattered sage and grasses.</p>
9.95	<p>Point selected for a witness point.</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 18 N., R. 19 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>W P T 18 N R 19 E S 14 S 13 2010</p>
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>
	<p>Cor. is located 1 lk. W. of a fence cor., with barbed wire fences bearing N., S. and E.</p>
14.94	<p>An iron post, 1 in. diam., firmly set, projecting 2 ins. above ground, with 2 1/2 ins. diam. brass cap mkd. ARIZONA PUBLIC SERVICE CO. RLS 16292, located in a barbed wire fence, bears N. and S.</p>
19.90	<p>Cor. of fences, with barbed wire fences, extending E. and S.</p>
39.81	<p>The cor. of secs. 11, 12, 13 and 14, monumented with an iron post, 2 ins. diam., firmly set, projecting 16 ins. above ground, with brass cap mkd. T18N R19E S11 S12 S14 S13 1920. Add the marks 2010 to the brass cap.</p>
<hr/> <p>Restoring the survey executed by John L. Harris, in 1879</p> <hr/>	
	<p>From the point for the cor. of secs. 13, 14, 23 and 24.</p>
	<p>S. 89°05' W., bet. secs. 14 and 23.</p>
	<p>Across Arizona Public Service Co., waste water pond.</p>
20.24	<p>Point for the E. 1/16 sec. cor. of secs. 14 and 23.</p> <p>Not monumented.</p>
27.05	<p>Midpoint of 2, 16 ins. diam., suspended pipelines, bearing S. 5° E. and N. 5° W.</p>
30.36	<p>Point accepted for the W-E 1/64 sec. cor. of secs. 14 and 23, established by Arizona Public Service Co., monumented with a rebar, 24 ins. long, 5/8 in. diam., firmly set, 19 ins. in the ground, with an affixed 2 ins. diam., unmarked aluminum cap. This is accepted as a careful and faithful establishment of the cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 18 N., R. 19 E., Gila and Salt River Meridian, Arizona

CHAINS	
	T 18 N R 19 E S 14 W-E 1/64 S 23 2010
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Deposit the rebar inside the stainless steel post. From this cor. point, a steel fence post, bears S. 65° W., 4 lks. dist.
	<hr/> S. 89°05' W., beginning new measurement.
4.80	Graded road, 24 ft. wide, bears N. 35° E. and S. 35° W.
10.12	Point accepted for the 1/4 sec. cor. of secs. 14 and 23, reestablished by Arizona Public Service Co., monumented with a rebar, 18 ins. long, 5/8 in. diam., firmly set, 14 ins. in the ground, in a collar of stone, with an affixed 1 1/2 ins. diam., aluminum cap, mkd. APS 75 14 23 1/4 COR. This is accepted as a careful and faithful reestablishment of the cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.
	T 18 N R 19 E S 14 1/4 ——— S 23 2010
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Deposit the rebar inside the stainless steel post.
	<hr/> S. 89°04' W., beginning new measurement.
37.05	Barbed wire fence, bears N. 7° E. and S. 7° W.
40.49	Point accepted for the cor. of secs. 14, 15, 22 and 23, reestablished by person(s) unknown, monumented with an iron post, 2 ins. diam., firmly set, projecting 11 ins. above ground, in a collar of stone, with an affixed 2 1/2 ins. diam., iron cap, mkd. 15, 14, 22, 23. This is accepted as the best available evidence of the position of the orig. cor.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 18 N., R. 19 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Add the marks BLM T18N R19E 2010 to iron cap.</p>
	<p>From this cor. point, a steel fence post, bears N. 65° E., 3 lks. dist.</p> <hr/>
	<p>N. 0°27' W., bet. secs. 14 and 15.</p>
	<p>Ascending, over broken and rolling land, through scattered sage and grasses.</p>
40.45	<p>Point accepted for the 1/4 sec. cor. of secs. 14 and 15, reestablished by Lacy C. Greer, Arizona R.L.S., No. 5704 (deceased), monumented with an iron post, 2 ins. diam., firmly set, projecting 9 ins. above ground, with an affixed 2 1/2 ins. diam., iron cap, mkd. LS 5704 S15 S14 1966. This is accepted as a careful and faithful reestablishment of the cor.</p>
	<p>Add the marks BLM T18N R19E 2010 to the iron cap.</p>
	<p>Cor. is located in a newer barbed wire fence, bears N. 81° E. and S. 81° W., for 1.28 chs. dist., to intersection with dilapidated barbed wire fence, bearing S. 4° E. and N. 4° W.</p> <hr/>
	<p>N. 0°27' W., beginning new measurement.</p>
21.85	<p>Barbed wire fence, bears S. 4° E. and N. 4° W.</p>
40.07	<p>From this point, a cor. of fences, bears W. 2 lks. dist., with barbed wire fences extending N. 2° E., and N. 88° W.</p>
40.43	<p>Point accepted for the cor. of secs. 10, 11, 14 and 15, reestablished by Lacy C. Greer, Arizona R.L.S., No. 5704 (deceased), monumented with an iron post, 2 ins. diam., firmly set, projecting 15 ins. above ground, in a mound of stone, 2 1/2 ft. base, 1 ft. high, with an affixed 2 1/2 ins. diam., iron cap, mkd. LS 5704 T18N R19E S10 S11 S15 S14 1966. This is accepted as a careful and faithful reestablishment of the cor.</p>
	<p>Add the marks BLM 2010 to the iron cap.</p>
	<p>Cor. is located in a barbed wire fence, bears N. 2° E., and S. 2° W.</p> <hr/>
	<p>From the cor. of secs. 11, 12, 13 and 14.</p>
	<p>S. 89°36' W., bet. secs. 11 and 14.</p>
	<p>Over rolling land, through scattered sage and grasses.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 18 N., R. 19 E., Gila and Salt River Meridian, Arizona**

CHAINS	
2.80	Trail road, bears N. 5° E., curving easterly and S. 5° W., curving westerly.
39.20	Wash, 2 ft. wide, 1 1/2 ft. deep, drains S. 30° W.
40.395	Point for the 1/4 sec. of secs. 11 and 14, at proportionate dist., there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, in a collar of stone, with brass cap mkd.
	T 18 N R 19 E S 11 1/4 ——— S 14
	2010
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.79	The cor. of secs. 10, 11, 14 and 15.
	<hr/> Subdivision of Section 14, T. 18 N., R. 19 E., Gila and Salt River Meridian, Arizona <hr/>
	From the 1/4 sec. cor. of secs. 14 and 23, hereinbefore described.
	N. 0°31' W., on the N. and S. center line of sec. 14.
	Over broken and rolling land, through scattered sage and grasses.
20.19	Point for the center S. 1/16 sec. cor. of sec. 14.
	Not monumented.
40.38	Point for the center 1/4 sec. cor. of sec. 14, at intersection with the E. and W. center line of sec. 14.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.
	T 18 N R 19 E C 1/4 S 14
	2010
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

**Subdivision of Section 14,
T. 18 N., R. 19 E., Gila and Salt River Meridian, Arizona**

CHAINS	
80.50	<p>The 1/4 sec. cor. of secs. 11 and 14, hereinbefore described.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 13 and 14, hereinbefore described.</p> <p>S. 89°10' W., on the E. and W. center line of sec. 14.</p> <p>In and along, barbed wire fence, over broken and rolling land.</p>
10.15	<p>Point accepted for the center E-E 1/64 sec. cor. of sec. 14, established by Arizona Public Service Co., monumented with a rebar, 5/8 in. diam., firmly set, projecting 4 ins. above ground, with 1 1/2 ins. diam. aluminum cap mkd. APS. This is accepted as a careful and faithful establishment of the cor. Not remonumented.</p> <p>Cor. is located in a barbed wire fence, bears E. and W.</p> <hr/> <p>S. 89°10' W., beginning new measurement.</p>
6.49	<p>From this point, a fence cor. bears S., 1 lk. dist., with barbed wire fences, extending E. and S.</p>
6.80	<p>Graded road, 10 ft. wide, bears N. and S.</p>
10.15	<p>Point accepted for the center E. 1/16 sec. cor. of sec. 14, established by Arizona Public Service Co., monumented with an iron post, 18 ins. long, 1 in. diam., firmly set, 15 ins. in the ground, with an affixed 2 1/2 ins. diam., brass cap, marked ARIZONA PUBLIC SERVICE CO. R.L.S. 16292. This is accepted as a careful and faithful establishment of the cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 18 N R 19 E</p> <p style="text-align: center;">E 1/16 C———C S 14</p> <p style="text-align: center;">2010</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Bury the iron post, alongside the stainless steel post.</p> <p>From this cor. point, a steel fence post, bears SE, 1 lk. dist.</p> <hr/>

**Subdivision of Section 14,
T. 18 N., R. 19 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	S. 89°10' W., beginning new measurement.
0.60	Trail road, bears N. 50° E. and S. 50° W.
20.30	The center 1/4 sec. cor. of sec. 14.
60.74	The 1/4 sec. cor. of secs. 14 and 15, hereinbefore described.
<hr/>	
SE 1/4	
<hr/>	
	From the point for the E. 1/16 sec. cor. of secs. 14 and 23, hereinbefore described.
	N. 0°25' W., on the N. and S. center line of the SE 1/4 of sec. 14.
7.20	Midpoint of 2, 16 ins. diam., suspended pipelines, bearing S. 60° W. and N. 60° E., for 1.10 chs. dist., thence N. 10° E.
7.40	Barbed wire fence, bears S. 60° W. and N. 60° E., for 1.0 chs. dist., thence N. 10° E.
10.65	Graded road, 34 ft. wide, bears N. 60° E., curving northerly and S. 60° W.
20.16	Point accepted for the SE 1/16 sec. cor. of sec. 14, established by Arizona Public Service Co., monumented with a rebar, 24 ins. long, 5/8 in. diam., firmly set, 14 ins. in the ground, with an affixed 1 1/2 ins. diam., aluminum cap, mkd. APS. This is accepted as a careful and faithful establishment of the cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
T 18 N R 19 E	
SE 1/16 S 14	
2010	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Deposit the rebar inside the stainless steel post.
	From this cor. point, a steel fence post, bears SW, 4 lks. dist.
<hr/>	
	N. 0°25' W., beginning new measurement.

**Subdivision of Section 14,
T. 18 N., R. 19 E., Gila and Salt River Meridian, Arizona**

CHAINS	
10.09	<p>Point accepted for the C-N-SE 1/64 sec. cor. of sec. 14, established by Arizona Public Service Co., monumented with a rebar, 5/8 in. diam., firmly set, projecting 10 ins. above ground, with an affixed 1 1/2 ins. diam., aluminum cap mkd. APS. This is accepted as a careful and faithful establishment of the cor. Not remonumented.</p> <hr/> <p>N. 0°25' W., beginning new measurement.</p>
10.09	<p>The point accepted for the center E. 1/16 sec. cor. of sec. 14.</p> <hr/> <p>From the point for the S. 1/16 sec. cor. of secs. 13 and 14, hereinbefore described.</p> <p>S. 89°07' W., on the E. and W. center line of the SE 1/4 of sec. 14.</p> <p>Across Arizona Public Service Co., wastewater pond.</p>
10.135	Point for the C-E-SE 1/64 sec. cor. Not monumented.
13.85	Midpoint of 2, 16 ins. diam., suspended pipelines, bearing N. for 1.30 chs. dist., thence N. 20° E., and S. for 35 lks. dist., thence S. 40° W.
15.45	Barbed wire fence, bears N. 20° E. and S. 20° W.
18.85	Graded road, 26 ft. wide, bears N. and S.
20.27	The SE 1/16 sec. cor.
30.405	<p>Point accepted for the C-W-SE 1/64 sec. cor. of sec. 14, established by Arizona Public Service Co., monumented with a rebar, 24 ins. long, 5/8 in. diam., firmly set, 14 ins. in the ground, with an affixed 1 1/2 ins. diam., aluminum cap mkd. APS. This is accepted as a careful and faithful establishment of the cor.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 18 N R 19 E</p> <p style="text-align: center;">S 14 C-W-SE 1/64</p> <p style="text-align: center;">2010</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p>

**Subdivision of Section 14,
T. 18 N., R. 19 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	<p>Deposit the rebar inside the stainless steel post.</p> <p>From this cor. point, a steel fence post, bears W., 1.5 lks. dist.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 89°07' W., beginning new measurement.</p>
10.135	<p>The point for the center S. 1/16 sec. cor. of sec. 14.</p> <hr style="width: 80%; margin: 10px auto;"/> <p style="text-align: center;">NE 1/4, SE 1/4</p> <hr style="width: 20%; margin: 10px auto;"/> <p>From the point for the C-E-SE 1/64 sec. cor. of secs. 14, hereinbefore described.</p> <p>N. 0°23' W., on the N. and S. center line of the NE 1/4 of the SE 1/4, sec. 14.</p>
10.085	<p>Point for the NE-SE 1/64 sec. cor. of sec. 14, at intersection with the E. and W. center line, of the NE 1/4 of the SE 1/4, sec. 14. Not monumented.</p>
20.17	<p>The point accepted for the center E-E 1/64 sec. cor. of sec. 14.</p> <hr style="width: 80%; margin: 10px auto;"/> <p>From the point for the N-S 1/64 sec. cor. of secs. 13 and 14, hereinbefore described.</p> <p>S. 89°09' W., on the E. and W. center line of the NE 1/4 of the SE 1/4 of sec. 14.</p> <p>Across Arizona Public Service Co., waste water pond.</p>
10.14	<p>Point for the NE-SE 1/64 sec. cor. of sec. 14.</p>
20.28	<p>The point accepted for the center N-SE 1/64 sec. cor. of sec. 14.</p> <hr style="width: 80%; margin: 10px auto;"/> <p style="text-align: center;">SW 1/4, SE 1/4</p> <hr style="width: 20%; margin: 10px auto;"/> <p>From the point accepted for the W-E 1/64 sec. cor. of secs. 14 and 23, hereinbefore described.</p> <p>N. 0°27' W., on the N. and S. center line of the SW 1/4 of the SE 1/4 of sec. 14.</p>
4.20	<p>Graded road, 34 ft. wide, bears N. 65° E. and S. 65° W.</p>

**Subdivision of Section 14,
T. 18 N., R. 19 E., Gila and Salt River Meridian, Arizona**

CHAINS

20.18

The point accepted for the center W-SE 1/64 sec. cor. of sec. 14.

GENERAL DESCRIPTION

The area surveyed and resurveyed is located adjacent to Joseph City, an unincorporated town in Navajo County, Arizona. Access is provided by way of U.S. Interstate Highway No. 40, and several graded roads.

The terrain is gently rolling, elevations range from 5000 to 5200 ft. above sea level. Bunch grasses, sage and Mormon Tea are the dominant vegetation.

Arizona Public Service Company, has a fly ash pond, a haul road and a pair of pipe lines in the SE 1/4 of section 14.

The mean magnetic declination of $10\ 3/4^\circ$ E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2005-2010 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 10th day of June, 2010, I have dependently resurveyed a portion of the subdivisional lines and subdivided section 14, Township 18 North, Range 19 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.

NOV. 15, 2010

(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 and the subdivision of section 14, Township 18 North, Range 19 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.

2/07/2011

(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. 18 N., R. 19 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~