

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 29
TOWNSHIP 6 SOUTH, RANGE 28 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Gordon R. Bubel, Cadastral Surveyor

Under Special Instructions dated July 8, 2014, approved July 8, 2014, which provided for the surveys included under Group No. 1134, and assignment instructions dated September 15, 2014.

Survey commenced September 3, 2014

Survey completed September 18, 2014

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TOWNSHIP 6 SOUTH RANGE 28 EAST
 GILA & SALT RIVER MERIDIAN, ARIZONA

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**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 6 S., R. 28 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 29, Township 6 South, Range 28 East, Gila and Salt River Meridian, Arizona.

The history of surveys pertaining to this survey is as follows: Philip Contzen surveyed the north and east boundaries of sec. 31 in 1895. In 1955, Horace G. Parker surveyed the north, east, south and west boundaries of section 29, resurveyed the east boundary of section 31 and retraced the east half of the north boundary of section 31. In 1958, Phil D. Smith resurveyed the north boundary of sec. 31. In 1966, Paul G. Bauer resurveyed section 31. A 1972 supplemental plat of section 29, extinguished lot 4 and created new lots 5, 6, 7, and 8.

The survey was executed in accordance with the specifications as set forth in the Manual of Survey Instructions (2009), and the Special Instructions dated July 8, 2014 for Group Number 1134, Arizona.

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

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 1/4 section corner of sections 28 and 29 is as follows:

Latitude: 32°52'53.46" N. Longitude: 109°29'38.75" W.

The NAD 83 (2011) geographic position of the 1/4 section corner of sections 29 and 32 is as follows:

Latitude: 32°52'27.32" N. Longitude: 109°30'09.65" W.

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

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 6 S., R. 28 E., Gila and Salt River Meridian, Arizona**

Restoring the resurvey executed by Horace G. Parker, in 1955
and the resurvey executed by Paul G. Bauer, in 1966.

Beginning at the 1/4 sec. cor. of secs. 31 and 32, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 16 ins. above ground, in a mound of stone, 3 ft. base, 1 ft. high, with brass cap mkd. 1/4 S31 S32 66 1955, add the marks T6S R28E 2014 to the brass cap.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 6 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Cor. is located on an outcropping, about 40 ft. above Gila River.</p> <p>From this cor., Arizona Department of Transportation, triangulation station SAN JOSE, bears S. 52°04' W., (forward bearing) 455.85 chs. dist. Monumented with an aluminum disk, 3 1/2 ins. diam, set in a 10 ins. diam. concrete cylinder, projecting 2 ins. above ground, with aluminum disk stamped; ARIZONA D.O.T. HWY. DIV. SAN JOSE 1985 P&M GEODETIC SURVEY.</p> <p>N. 0°15' W., bet. secs. 31 and 32.</p> <p>East of the Gila River, through sparse vegetation.</p>
12.10	<p>The 1962 meander cor. on the left bank of the Gila River, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 9 ins. above ground, in a collar of stone, with brass cap mkd. T6S R28E MC S31 S32 1966, add the marks 2014 to the brass cap.</p> <p>Cor. located on high, rocky left bank of the Gila River, bearing N. and S. 15° W., about 30 ft. above water.</p> <hr/> <p>N. 0°15' W., beginning new measurement.</p> <p>Descending, off cliffs.</p>
16.53	<p>True point for the 1966, meander cor. on the left bank of the Gila River, at proportionate dist., falls in the active channel of the Gila River, where a permanent monument is impracticable, there is no remaining evidence of the 1955 monument or accessories.</p> <p>Thence, over Gila River flood plain.</p>
27.87	<p>True point for the cor. of secs. 29, 30, 31, and 32, at proportionate dist., by the method of three point control, there is no remaining evidence of the 1955 monument or accessories. The use of this method resulted in the corner location being more harmonious with the official record.</p> <p>The 1966 meander cor. on the left bank of the Gila River, (hereinbefore described) and the witness cor. to the 1/4 sec. cor. of secs. 29 and 30, (hereinafter described) were utilized for latitudinal control, the 1/4 sec. cor. of secs. 29 and 32, (hereinafter described) was utilized for longitudinal control.</p> <p>From this cor. point, the 1/4 sec. cor. of secs. 30 and 31, bears N. 89°52' W., 40.01 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. T6S R28E 1/4 S30 S31 1958, add the marks 2014 to the brass cap.</p> <hr/>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 6 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Restoring the survey executed by Horace G. Parker, in 1955
	From the 1/4 sec. cor. of secs. 29 only, monumented with an iron post, 1 in. diam., firmly set, projecting 9 ins. above ground, in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd. 1/4 S29 1955, add the marks T6S R28E 2014 to the brass cap.
	N. 89°59' W., bet. secs. 29 and 32.
	Over rolling land, through ocotillo, creosote and mesquite, descending toward the Gila River.
2.70	Graded road, 12 ft. wide, bears N. 30° E. and S. 30° W.
5.11	Barbed wire fence, bears S. 40° E. and N. 40° W., for 58 lks., thence N. 70° W.
20.00	Point for the W. 1/16 sec. cor. of sec. 29 only. Not monumented.
30.00	Point for the W-W 1/64 sec. cor. of sec. 29 only. Not monumented.
39.05	The point for the cor. of secs. 29, 30, 31, and 32.
	N. 0°04' W., bet. secs. 29 and 30. Ascending out of Gila River flood plain.
9.995	Point for the S-S 1/64 sec. cor. of secs. 29 and 30. Not monumented.
19.99	Point for the S. 1/16 sec. cor. of secs. 29 and 30. Not monumented.
26.30	Exit Gila River Valley at cliff top, edge bears N. 35° E. and S. 35° W. Thence, ascending over mountainous land.
34.28	The witness cor. to the 1/4 sec. cor. of secs. 29 and 30, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above ground, in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd. 1/4 S30 S29 WC 1955, add the marks T6S R28E 2014 to the brass cap.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 6 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
	N. 0°03' W., beginning new measurement.
3.65	City of Safford, waterline 24 in. diam., bears N. 50° E. and S. 50° W.
5.60	Gila Box Canyon road, graded, 20 ft. wide, bears S. 80° E., curving northerly and N. 80° W., curving southerly.
5.70	True point for the 1/4 sec. cor. of secs. 29 and 30, within Gila Box Canyon road. Not monumented.
	Continuing measurement, identical with the boundary of the Gila Box Riparian, National Conservation Area.
45.67	The cor. of secs. 19, 20, 29, and 30, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd. T6S R28E S19 S20 S29 S30 1955, add the marks 2014 to the brass cap. From the witness cor. to the 1/4 sec. cor. of secs. 20 and 29, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 19 ins. above ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd. WC 1/4 S20 S29 1955, add the marks T6S R28E 2014 to the brass cap. Cor. is located on E. edge of Dry Canyon, bears S. 50° E. and N. 50° W., about 75 ft. above canyon bottom. From this cor., a barbed wire fence bears N., 30 lks. dist., fence extends N. 70° E. and S. 70° W., for 60 lks. to canyon edge. S. 89°59' W., bet. secs. 20 and 29. Over mountainous land, through creosote and ocotillo, identical with the boundary of the Gila Box Riparian, National Conservation Area.
2.52	True point for the 1/4 sec. cor. of secs. 20 and 29, at proportionate dist., falls in wash at bottom of Dry Canyon. Not monumented.
41.68	The cor. of secs. 19, 20, 29, and 30.

Subdivision of Section 29,
T. 6 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the 1/4 sec. cor. of sec. 29 only.</p> <p>N. 0°02' E., on the N. and S. center line of sec. 29.</p> <p>Descending toward Gila River Valley, through creosote and ocotillo.</p>
20.005	<p>Point for the Center S. 1/16 sec. cor. of sec. 29.</p> <p>Not monumented.</p> <p>Thence, within Gila Box Riparian, National Conservation Area.</p>
40.01	<p>Point for the center 1/4 sec. cor. of sec. 29, at intersection with the E. and W. center line of sec. 29.</p> <p>Not monumented.</p>
62.25	<p>Gila Box Canyon road, in Gila River flood plain, 15 ft. wide, bears N. 80° E. and S. 80° W.</p> <p>Thence, ascending out of Gila River Valley.</p>
79.97	<p>The true point for the 1/4 sec. cor. of secs. 20 and 29.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 28 and 29, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 18 ins. above ground, in a mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd. 1/4 S29 S28 1955, add the marks T6S R28E 2014 to the brass cap.</p> <p>S. 89°58' W., on the E. and W. center line of sec. 29, identical with the boundary of Gila Box Riparian, National Conservation Area.</p> <p>Descending toward Gila River Valley, through creosote and ocotillo.</p>
39.92	<p>The point for the center 1/4 sec. cor. of sec. 29.</p>
59.895	<p>Point for the Center W. 1/16 sec. cor. of sec. 29.</p> <p>Not monumented.</p>
77.05	<p>Southerly edge of Gila Box Canyon road, 20 ft. wide, bears N. 65° E. and S. 65° W.</p> <p>Thence, leave Gila River Valley.</p>
79.03	<p>The true point for the 1/4 sec. cor. of secs. 29 and 30.</p> <hr/>

Subdivision of the SW 1/4 of Section 29,
T. 6 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the point for the W. 1/16 sec. cor. of sec. 29 only.</p> <p>N. 0°04' E., on the N. and S. center line of the SW 1/4 of sec. 29.</p> <p>Descending over gently rolling land, through creosote and ocotillo.</p>
10.00	<p>Point for the Center S-SW 1/64 sec. cor. of sec. 29.</p> <p>Not monumented.</p>
20.00	<p>Point for the SW 1/16 sec. cor. of sec. 29, at intersection with the E. and W. center line of the SW 1/4, of sec. 29.</p> <p>Not monumented.</p>
39.99	<p>The point for the Center W. 1/16 sec. cor. of sec. 29</p>
	<hr/> <p>From the point for the Center S. 1/16 sec. cor. of sec. 29.</p> <p>S. 89°59' W., on the E. and W. center line of the SW 1/4 of sec. 29.</p>
19.985	<p>Point for the SW 1/16 sec. cor. of sec. 29.</p>
24.88	<p>Downed barbed wire fence, bears N. 8° E. and S. 8° W.</p>
24.985	<p>Point for the C-E-W-SW 1/256 sec. cor. of sec. 29.</p> <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 6 S R 28 E S 29 C-E-W-SW 1/256 2014</p>
	<p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Cor. is located in bottom lands of the Gila River, within dense mesquite timber.</p>
29.05	<p>Track road, in curve, tangents bear N. 10° E. and S. 45° E.</p>
29.985	<p>Point for the C-W-SW 1/64 sec. cor. of sec. 29.</p>

Subdivision of the SW 1/4 of Section 29,
T. 6 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<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> <p style="text-align: center;">T 6 S R 28 E S 29 C-W-SW 1/64 2014</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Cor. is located in bottom lands of the Gila River, within dense mesquite timber.</p>
39.08	The point for the S. 1/16 sec. cor. of secs. 29 and 30.
	<hr/> <p>Subdivision of the SW 1/4 SW 1/4 Section 29</p> <hr/>
	<p>From the point for the W-W 1/64 sec. cor. of sec. 29 only.</p> <p>N. 0°04' E., on the N. and S. center line of the SW 1/4 of the SW 1/4 of sec. 29.</p>
9.995	<p>Point for the SW-SW 1/64 sec. cor. of sec. 29, at intersection with the E. and W. center line of the SW 1/4 of the SW 1/4 of sec. 29.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T 6 S R 29 E S 29 SW-SW 1/64 2014</p> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Cor. is located in bottom lands of the Gila River, within dense mesquite timber.</p>
14.40	Track road, bears N. 60° E. and S. 60° W.
19.99	The C-W-SW 1/64 sec. cor. of sec. 29.

**Subdivision of the SW 1/4 SW 1/4 of Section 29,
T. 6 S., R. 28 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	From the point for the C-S-SW 1/64 sec. cor. of sec. 29. West, on the E. and W. center line of the SW 1/4 of the SW 1/4 of sec. 29.
5.00	Point for the C-E-SW-SW 1/256 sec. cor. of sec. 29. 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. <div style="text-align: center;"> <p>T 6 S R 28 E S 29 C-E-SW-SW 1/256 2014</p> </div>
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Cor. is located on a rocky bluff, overlooking the Gila River Valley. From this cor. pt., a barbed wire fence bears S. 1.14 chs. dist., fence extends NE and SW.
5.90	Top of cliff, thence descend in to Gila River Valley.
10.00	The SW-SW 1/64 sec. cor. of sec. 29.
19.07	The point for the S-S 1/64 sec. cor. of sec. 29.
<hr/> Subdivision of the NE 1/4 SW1/4 SW 1/4 of Section 29 <hr/>	
	From the C-E-SW-SW 1/256 sec. cor. of sec. 29. N. 0°04' E., on the N. and S. center line of the NE 1/4 of the SW 1/4 of the SW 1/4 of sec. 29. Descending, toward Gila River Valley.
0.90	Abandoned road, 8 ft. wide, bears N. 35° E. and S. 35° W.
4.68	Intersect the southerly roof overhang, of a dilapidated stone cabin, (25 x 15 ft.), the SE roof overhang, bears S. 77°17' E., 0.9 lk. dist., the SW roof overhang, bears N. 77°17' W., 27.1 lks. dist. The long side of cabin bears N. 10°21' E.

Subdivision of the NE 1/4 SW 1/4 SW 1/4 of Section 29,
T. 6 S., R. 28 E., Gila and Salt River Meridian, Arizona

CHAINS	
5.13	Intersect the northerly roof overhang, of same stone cabin, NE roof overhang, bears S. 77°17' E., 9.1 lk. dist., the NW roof overhang, bears N. 77°17' W., 19.1 lks. dist. The long side of cabin bears S. 10°21' W.
5.73	From this point, the NW cor. of an abandoned outhouse, (4 x 4 ft.) bears E., 3.4 lks. dist. sides extend, N. 80° E. and S. 10° E.
6.13	Barbed wire fence, bears S. 35° E. and N. 35° W.
6.59	From this point, gate in barbed wire fence, bears W., 35 lks. dist., fence extends N. 8° E. and S. 35° E.
6.65	Graded road, 8 ft. wide, bears N. 80° E., and S. 80° W.
9.23	Dilapidated barbed wire fence, bears N. 8° E. and S. 8° W.
10.00	The C-E-W-SW 1/256 sec. cor. of sec. 29.
	<hr/> GENERAL DESCRIPTION <hr/>
	<p>The area surveyed and resurveyed is located about 12 miles ENE of Safford, Arizona. The Gila River enters the area surveyed between the true point for the 1/4 section corner of sections 29 and 30 and the center west 1/16 section corner of section 29, and exits the area surveyed near the corner common to sections 29, 30, 31, and 32.</p> <p>Vegetation in the Gila River flood plain is dominated by mesquite, with some cottonwood, area outside the flood plain are predominantly creosote and ocotillo. Elevations range from 3000 to 3500 ft. above sea level.</p> <p>A dilapidated stone cabin, an abandoned road, some ancient farming equipment and evidence of past cultivation is found within the southwest quarter of section 29. The north half of section 29 is within the Gila Box Riparian, National Conservation Area.</p> <p>Access is provided by United States Highway Number 70, San Jose road and graded roads.</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 8th day of July, 2014, I have dependently resurveyed a portion of the subdivisional lines and subdivided section 29, Township 6 South, Range 28 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 Survey Instructions (2009), and in specific manner described in the foregoing field notes.

OCT. 14, 2014
(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 29, Township 6 South, Range 28 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.

10/17/2014
(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 T. 6 S., R. 28 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____~~
~~(Date)~~

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