

ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

THE SUBDIVISION OF SECTION 23

AND THE METES-AND-BOUNDS SURVEY

OF THE CENTER LINE OF CERTAIN

EXISTING ROADS WITHIN THE

SE 1/4 OF THE NW 1/4,

AND THE

NE 1/4 OF THE SW 1/4 OF SECTION 23

TOWNSHIP 18 NORTH, RANGE 13 WEST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Craig S. Dukart, Cadastral Surveyor

Under Special Instructions dated June 3, 2014, approved June 3, 2014, which provided for the surveys included under Group No. 1131, and assignment instructions dated June 3, 2014.

Survey commenced July 15, 2014

Survey completed July 17, 2014

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GILA & SALT RIVER MERIDIAN, ARIZONA

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T. 18 N., R. 13 W., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the subdivision of section 23, and the metes-and-bounds survey of the center line of certain existing roads within the SE 1/4 of the NW 1/4 and the NE 1/4 of the SW 1/4 of section 23, Township 18 North, Range 13 West, Gila and Salt River Meridian, Arizona.

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

The survey of the exterior lines of Townships 17, 18, 19 and 20 North, Ranges 13 and 14 West, Gila and Salt River Meridian, were surveyed by C. Burton Foster, Deputy Surveyor, in 1874. (Book 1642).

The resurvey of the exterior lines of Township 18 North, Range 13 West, Gila and Salt River Meridian, were surveyed by W. O. Secor, U.S. Transitman, in 1911. (Book 2320)

The survey of the subdivisional lines of Township 18 North, Range 13 West, Gila and Salt River Meridian, were surveyed by Jesse B. Wright, U.S. Surveyor, in 1911. (Book 2304)

The dependent resurvey of a portion of the subdivisional lines and the subdivision of sections 15, 23 and 26 of Township 18 North, Range 13 West, Gila and Salt River Meridian, were surveyed by Joe R. Salazar, Cadastral Surveyor, in 2003. (Book 5720)

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions for the Survey of the Public Lands of the United States (2009), and the Special Instructions dated June 03, 2014, for Group No. 1131, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5700 and 5800 model receivers.

Geodetic control was derived from Global Positioning System (GPS) static post observations processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) AM7015 KING KINGMAN CORS ARP, DN6065 AZYC YUCCA CORS ARP and DL9798 KGMN MOHAVE FLOOD HQ CORS ARP. The NAD 83 (CORS96)(EPOCH:2010), geographic position of the following two corners is as follows:

The center north 1/16 sec. cor. of sec. 23:

Latitude: 34°55'52.415" N. Longitude: 113°37'33.542" W.

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The witness cor. to the SW 1/16 sec. cor. of sec. 23:

Latitude: 34°55'26.213" N. Longitude: 113°37'49.677" W.

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

Subdivision of Section 23

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Restoring the survey executed by
Joe R. Salazar, 2003

Beginning at the true point for the center 1/4 sec. cor. of sec. 23, located in Trout Creek, where it is impracticable to establish a permanent monument.

From this cor. the witness cor. to the center 1/4 sec. cor. of sec. 23, bears S. 87°24' W., 1.01 chs. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. WC T18N R13W C1/4 S23 2003, with an arrow point to the cor.

North, on a portion of the N. and S. center line of sec. 23.

Across Trout Creek to rolling terrain.

17.85 Barbed wire fence, bears N. 75° E. and S. 75° W.

From this point, the end of the fence line bears S. 75° W., 3.13 chs. dist.

19.815 Center N. 1/16 sec. cor. of sec. 23, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, in a mound of stone, 3 ft. base, to brass cap mkd. T18N R13W C N1/16 S23 C 2003.

NE 1/4 SW 1/4 Section 23

From the true point for the SW 1/16 sec. cor. of sec. 23, located on the steep embankment of Knight Creek, where it is impracticable to establish a permanent monument.

From this cor. the witness cor. to the SW 1/16 sec. cor. of sec. 23, bears S. 40°40' W., 49 lks. dist., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. WC T18N R13W SW1/16 S23 2003, with an arrow pointing to the cor.

Subdivision of Section 23
T. 18 N., R. 13 W., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>North, on a portion of the N. and S. center line of the SW 1/4 of sec. 23.</p> <p>Descend embankment, across Knight Creek into gently rolling terrain.</p>
12.65	Point for AP 1 of center line of main graded road, at intersection with the center line of the graded road, 15 ft. wide, bears N. 75°34' E., and S. 75°34' W.; not monumented.
19.92	Center W. 1/16 sec. cor. of sec. 23, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, flush with the ground, with brass cap mkd. T18N R13W W1/16 C C S23 2003.
<hr/> <p>SE 1/4 NW 1/4 Section 23</p> <hr/>	
	<p>From the center W. 1/16 sec. cor. of sec. 23.</p> <p>N. 0°02' W., on a portion of the N. and S. center line of the NW 1/4 of sec. 23.</p> <p>Over rolling terrain.</p>
0.86	South side of trailer, bears S. 53° E., 13 lks. dist. and N. 53° W., 81 lks. dist.
1.09	North side of trailer, bears S. 53° E., 27 lks. dist. and N. 53° W., 67 lks. dist.
11.18	TP 9, 3 wire utility line, bears N. 75°07' E. and S. 75°07' W.
11.60	Point for AP 16A of center line of graded road, at intersection with the center line of the graded road, 20 ft. wide, bears N. 48°11' E. and S. 48°11' W.; not monumented
12.35	Point for AP 16B of center line of graded road, at intersection with the center line of the graded road, 15 ft. wide, bears S. 84°43' E. and N. 84°43' W.; not monumented
19.855	<p>NW 1/16 sec. cor. of sec. 23, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd. T18N R13W NW1/16 S23 2003.</p> <p>From this cor. the most northerly cor. of a concrete pad, 16 x 50 ft., bears S. 48°36' E., 3.42 chs. dist., long side extends S. 34° W.,</p>
	<hr/> <p>From the center N. 1/16 sec. cor. of sec. 23.</p>

Subdivision of Section 23
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CHAINS	
	N. 89°59' W., on a portion of the E. and W. center line of the NW 1/4 of sec. 23. Over rolling terrain, across Trout Creek, to rolling terrain.
3.38	Barbed wire fence and E. edge of cultivated field, bears S. 3°18' E. and N. 3°18' W. From this point a corner of fences, bears S. 3°18' E., 2.82 chs. dist., with fences extending S. 74°47' W. and N. 3°18' W.
11.97	Barbed wire fence and W. edge of cultivated field, bears S. 13°36' E. and N. 13°36' W. From this point a corner of fences, bears S. 13°36' E., 5.02 chs. dist., with fences extending N. 74°47' E. and N. 13°36' W. From this same point the NE corner of fences surrounding a water pump, 7 x 10 lks., bears S. 79°41' W., 24 lks. dist., long side extends S. 5° E.
12.40	Point for AP 8 of center line of the main graded road, at intersection with the center line of the graded road, 15 ft. wide, bears N. 2°17' W. and S. 2°17' E.
15.30	TP 8, 3 wire utility line, bears N. 1°12' E. and S. 1°12' W.
15.35	TP 8A, 2 wire utility line, bears N. 2°03' E. and S. 2°03' W.
19.82	Barbed wire fence, 2 wire, bears N. 20° E. and S. 20° W.
20.05	NW 1/16 sec. cor. of sec. 23.
<hr/> <p>Metes-and-Bounds Surveys of the Center Line of Certain Roads Within the SE 1/4 of the NW 1/4 and the NE 1/4 of the SW 1/4 of Section 23 T. 18 N., R. 13 W., Gila and Salt River Meridian, Arizona</p> <hr/>	
<p>Center line Main Graded Road 15 Ft. Wide</p> <hr/>	
	From AP 1, center line of main graded road, hereinbefore described. N. 75°34' E., on line 1-2.
5.63	Point for AP 2, identical with the point of curvature; not monumented.

Metes-and-Bounds Surveys of the Center Line
of Certain Existing Roads Within the SE 1/4 of the
NW 1/4 and the NE 1/4 of the SW 1/4 of Section 23
T. 18 N., R. 13 W., Gila and Salt River Meridian, Arizona

CHAINS	
	Thence, on line 2-3, along a circular curve to the left, having a central angle of 77°31', a radius of 123.31 ft., on the center line of a graded road, the chord of said arc bears N. 36°49' E., 2.339 chs. dist.
2.528	Point for AP 3, identical with the point of tangency; not monumented.

	N. 1°57' W., on line 3-4.
12.138	Point for AP 3A, at intersection with center line of private drive, a graded road, 15 ft. wide; not monumented.
14.849	Point for AP 4, identical with the point of curvature; not monumented.
	Thence, on line 4-5, along a circular curve to the right, having a central angle of 26°32', a radius of 326.51 ft., on the center line of a graded road, the chord of said arc bears N. 11°19' E., 2.271 chs. dist.
2.291	Point for AP 5, identical with the point of tangency; not monumented.

	N. 24°36' E., on line 5-6.
1.57	Point for AP 6, identical with the point of curvature; not monumented.
	Thence, on line 6-7, along a circular curve to the left, having a central angle of 26°52', a radius of 230.21 ft., on the center line of a graded road, the chord of said arc bears N. 11°09' E., 1.621 chs. dist.
1.636	Point for AP 7, identical with the point of tangency; not monumented.

	N. 2°17' W., on line 7-8.
3.76	Point for AP 8, hereinbefore described.

	Center Line Private Drive A Graded Road 15 Ft. Wide

	From AP 3A, center line of private drive, at intersection with the main graded road, hereinbefore described.
	N. 71°45' W., on line 3A-9.

Metes-and-Bounds Surveys of the Center Line
of Certain Existing Roads Within the SE 1/4 of the
NW 1/4 and the NE 1/4 of the SW 1/4 of Section 23
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CHAINS	
1.39	Point for AP 9, identical with the point of curvature; not monumented. Thence, on line 9-10, along a circular curve to the right, having a central angle of 67°17', a radius of 39.08 ft., on the center line of a graded road, the chord of said arc bears N. 38°07' W., 0.656 chs. dist.
0.695	Point for AP 10, identical with the point of tangency; not monumented. _____
	N. 4°28' W., on line 10-11.
1.83	Point for AP 11, identical with the point of curvature; not monumented. Thence, on line 11-12, along a circular curve to the left, having a central angle of 22°47', a radius of 124.07 ft., on the center line of a graded road, the chord of said arc bears N. 15°52' W., 0.743 chs. dist.
0.748	Point for AP 12, identical with the point of tangency; not monumented. _____
	N. 27°16' W., on line 12-13.
0.35	Point for AP 13, identical with the point of curvature; not monumented. Thence, on line 13-14, along a circular curve to the left, having a central angle of 67°37', a radius of 67.19 ft., on the center line of a graded road, the chord of said arc bears N. 61°04' W., 1.133 chs. dist.
1.202	Point for AP 14, identical with the point of tangency; not monumented. _____
	S. 85°07' W., on line 14-15.
2.47	Point for AP 15; not monumented. _____
	S. 48°11' W., on line 15-16A.
1.024	Point for AP 16A, hereinbefore described. _____
	From the point for AP 15, hereinbefore described. N. 84°43' W., on line 15-16B.

Metes-and-Bounds Surveys of the Center Line
of Certain Existing Roads Within the SE 1/4 of the
NW 1/4 and the NE 1/4 of the SW 1/4 of Section 23
T. 18 N., R. 13 W., Gila and Salt River Meridian, Arizona

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0.767	Point for AP 16B, hereinbefore described.
<hr/> <p>Informational Traverse of Utility Lines Within the SE 1/4 of the NW 1/4 and the NE 1/4 of the SW 1/4 of Section 23 T. 18 N., R. 13 W., Gila and Salt River Meridian, Arizona</p> <hr/>	
<p>Note:___ Angle points for the following described Utility Lines are designated TP to differentiate from the angle points designated AP for the center lines of the graded roads.</p> <hr/>	
<p>Utility Line, 3 Wire</p> <hr/>	
<p>From the true point for the SW 1/16 sec. cor. of sec. 23.</p>	
<p>N. 89°57' E., on the E. and W. center line of the SW 1/4 of sec. 23 (record bearing).</p>	
0.57	Intersect utility line at TP 1 and the point of beginning.
<hr/> <p>N. 10°28' E., on line 1-3.</p>	
17.57	Point for TP 3, 3 wire utility line, identical with TP 3A of 2 wire utility line.
<hr/> <p>N. 9°28' E., on line 3-4.</p>	
3.125	Point for TP 4.
<hr/> <p>N. 1°36' E., on line 4-6.</p>	
11.97	Point for TP 6, 3 wire utility line, identical with TP 6A of 2 wire utility line
<hr/> <p>N. 1°12' E., on line 6-8.</p>	
7.45	TP 8, on the north line of the SE 1/4 of the NW 1/4 of sec. 23.
<hr/> <p>Utility Line, 2 Wire</p> <hr/>	
<p>From the true point for the SW 1/16 sec. cor. of sec. 23.</p>	

Informational Traverse
of Utility Lines Within the SE 1/4 of the
NW 1/4 and the NE 1/4 of the SW 1/4 of Section 23
T. 18 N., R. 13 W., Gila and Salt River Meridian, Arizona

CHAINS	
	N. 89°57' E., on the E. and W. center line of the SW 1/4 of sec. 23 (record bearing).
0.155	Intersect utility line at TP 1A and the point of beginning. <hr/>
	N. 10°48' E., on line 1A-2A.
17.65	Point for TP 2A. <hr/>
	S. 78°28' E., on line 2A-3A.
0.30	Point for TP 3A, 2 wire utility line, identical with TP 3, 3 wire utility line. <hr/>
	N. 10°36' E., on line 3A-4A.
3.13	Point for TP 4A. <hr/>
	N. 1°19' E., on line 4A-5A.
6.46	Point for TP 5A. <hr/>
	N. 1°18' E., on line 5A-6A.
5.52	Point for TP 6A, 2 wire utility line, identical with TP 6, 3 wire utility line. <hr/>
	N. 0°55' W., on line 6A-7A.
3.49	Point for TP 7A. <hr/>
	N. 2°03' E., on line 7A-8A.
3.96	TP 8A, on the north line of the SE 1/4 of the NW 1/4 of sec. 23. <hr/>
	Utility Line, 3 Wire Side branch <hr/>
	From TP 6, 3 wire utility line, identical with TP 6A, 2 wire utility line.
	S. 75°07' W., on line 6-9.

Informational Traverse
of Utility Lines Within the SE 1/4 of the
NW 1/4 and the NE 1/4 of the SW 1/4 of Section 23
T. 18 N., R. 13 W., Gila and Salt River Meridian, Arizona

CHAINS	
4.77	<p>TP 9, on the N. and S. center line of the SW 1/4.</p> <hr/> <p style="text-align: center;">Utility Line, 3 Wire Side branch</p> <hr/> <p>From TP 6, 3 wire utility line, identical with TP 6A, 2 wire utility line.</p> <p>N. 35°43' W., on line 6-10.</p>
5.46	<p>Point for TP 10.</p> <hr/> <p>N. 76°39' E., on line 10-11.</p>
0.56	<p>Point for TP 11 and end of line.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>This survey is located approximately 15 1/2 miles northerly of Wikieup, Arizona, between Knight Creek and Trout Creek. Access to the project was from Upper Trout Creek road, a graded road, off of Highway 93.</p> <p>The elevation varies from 2,450 to 2,550 feet above sea level.</p> <p>The mean magnetic declination of 11 1/2° E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for the dates of survey.</p> <hr/>

CERTIFICATE OF SURVEY

I, Craig S. Dukart, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 3rd day of June, 2014, I have subdivided section 23, and performed the metes-and-bounds survey of the center line of certain existing roads within the SE 1/4 of the NW 1/4 and the NE 1/4 of the SW 1/4 of section 23, T. 18 N., R. 13 W., 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 us and under our direction. Said survey has been made in strict conformity with said special instructions, the Manual of Surveying Instructions for the Survey of the Public Lands of the United States, 2009, and in specific manner described in the foregoing field notes.

10/21/14
(Date)

Craig S. Dukart
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the subdivision of section 23 and the metes-and-bounds survey of the center line of certain existing roads within the SE 1/4 of the NW 1/4 and the NE 1/4 of the SW 1/4 of section 23, T. 18 N., R. 13 W., of the Gila and Salt River Meridian, in the State of Arizona, executed by Craig S. Dukart, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

1/6/2015
(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. 18 N., R. 13 W., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

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

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