

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 SECTIONS  
17 AND 20  
TOWNSHIP 7 NORTH, RANGE 27 EAST,  
OF THE GILA AND SALT RIVER MERIDIAN,  
IN THE STATE OF ARIZONA.

**EXECUTED BY**

**Christopher P. McDonald, Cadastral Surveyor**

Under Special Instructions dated August 24, 2012, approved August 24, 2012, and Supplemental Special Instructions dated August 15, 2013, approved August 15, 2013, which provided for the surveys included under Group No. 1108, and assignment instructions dated August 15, 2013.

**Survey commenced July 22, 2013**

**Survey completed August 22, 2013**

## INDEX DIAGRAM

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GILA AND SALT RIVER MERIDIAN, ARIZONA

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## T. 7 N., R. 27 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 sections 17 and 20, Township 7 North, Range 27 East, Gila and Salt River Meridian, Arizona.

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

W. R. Fitzgerald surveyed the exterior boundaries and subdivisional lines in 1883. Ty White resurveyed the exterior boundaries in 1940. Claude F. Warner and Frank Motoh surveyed a portion of the subdivisional lines in 1940. Private survey performed by Ronald E. Stoll, Arizona R.L.S. No. 11758, according to plat Book No. 3LS Page No. 21, Apache County, date August 20, 1982. Private survey performed by Mark B. Clements, Arizona R.L.S. No. 22754, according to plat Book No. 8 Page No. 173, Apache County, date September 19, 2000.

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 August 15, 2013, for Group Number 1108, 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.

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) GILA COUNTY, PIETOWN, AND GRANTS. The NAD 83(2011) (EPOCH: 2010.0000), geographic position of the C-N 1/16 section corner of section 20, is as follows:

Latitude: 33°59'29.897" N.                      Longitude: 109°30'59.308" W.

The NAD 83(2011) (EPOCH: 2010.0000), geographic position of the W. 1/16 section corner of Sections 17 and 20, is as follows:

Latitude: 33°59'42.956" N.                      Longitude: 109°31'14.609" W.

The mean magnetic declination is 10° E.

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 7 N., R. 27 E., Gila and Salt River Meridian, Arizona

## CHAINS

Beginning at 1/4 sec. cor. of secs. 17 and 20, monumented with an iron post, 1 in. diam., firmly set, projecting 14 ins. above ground, with brass cap, mkd. S17 1/4 S20 1940, with a scattered mound of stone N. of cor. Add the marks 2013 to the brass cap.

Reconstruct the mound of stone, 2 1/2 ft. base, 2 ft. high, utilizing the scattered mound of stone, N. of cor.

A steel fence post, with F.S. signs Nos. 54-2 and 54-9 attached, is set alongside the cor.

S. 89°40' E., bet. secs. 17 and 20.

20.19

The W. 1/16 cor. of secs. 17 and 20, determined from the reference monuments

A stainless steel post, 2 1/2 ins. diam., projecting 5 ins. above ground, bears N. 45°14' E., 29.0 ft. dist., with brass cap mkd. RM 29' RLS 11758 and an arrow pointing to the cor. (Record N. 45°37' E.)

A bent stainless steel post, 28 ins. long, 2 1/2 ins. diam., firmly set, projecting 5 ins. above ground, bears S. 89°23' E., 42.0 ft. dist. with brass cap mkd. RM 42' RLS 11758 and an arrow pointing to the cor. Remonument with a stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground for a reference monument, bears s. 89°23' E., 42.0 ft. dist., with brass cap mkd. T7N R28E W1/16 S17 RM 42 and an arrow pointing to the cor. Bury the bent stainless steel post alongside new stainless steel post.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 5 ins. below ground, with brass cap mkd.

T 7 N R 27 E  
S 17  
W 1/16 ———  
S 20

2013

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

Cor. is located 2 1/2 ft. N. of edge of pavement, Highway 273, bears SE and NW.

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Subdivision of Section 17,  
T. 7 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the 1/4 sec. cor. of secs. 17 and 20.</p> <p>N. 0°48' W., on the N. and S. center line of sec. 17.</p>
16.34	<p>The 1/4096 sec. cor. of sec. 17, established by Mark B. Clements, Arizona R.L.S. No. 22754, in 2000, monumented with an aluminum rod, 1/2 in. diam., firmly set, projecting 4 ins. above the ground, with aluminum cap, incorrectly mkd. LS22754 1/1024 1900. This is accepted as a careful and faithful establishment of the cor. position. Add the marks 2013 to the aluminum cap.</p> <p>A steel fence post, with F.S. signs Nos. 54-2 and 54-9 attached, is set alongside the cor.</p> <hr/> <p style="text-align: center;">SE1/4 SW1/4</p> <hr/> <p>From the W. 1/16 sec. cor. of secs. 17 and 20.</p> <p>N. 0°37' W., on the N. and S. center line of the SW 1/4 of sec. 17.</p>
16.34	<p>The 1/4096 sec. cor. of sec. 17, established by Mark B. Clements, Arizona R.L.S. No. 22754, in 2000, monumented with an aluminum rod, 1/2 in. diam., firmly set, projecting 6 ins. above the ground, in a scattered collar of stone, with aluminum cap, incorrectly mkd. LS22754 1/1024 1900. This is accepted as a careful and faithful establishment of the cor. position. Add the marks 2013 to the aluminum cap.</p> <p>Reconstruct the collar of stone utilizing the scattered collar of stone.</p> <p>A steel fence post, with F.S. signs Nos. 54-2 and 54-9 attached, is set alongside the cor.</p> <hr/> <p>From the 1/4096 sec. cor. of sec. 17, on the N. and S. center line of sec. 17, hereinbefore described.</p> <p>S. 89°39' W.</p>
20.14	<p>The 1/4096 sec. cor. of sec. 17, on the N. and S. center line of the SW 1/4 of sec. 17, hereinbefore described.</p> <hr/>

Subdivision of Section 20,  
T. 7 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	NW1/4
	<p style="text-align: center;">_____</p> <p>From the C-N 1/16 sec. cor. of sec. 20, established by Ronald E. Stoll, Arizona R.L.S. No. 11758, in 1982, monumented with aluminum pipe, 2 1/2 in. diam., firmly set, projecting 10 ins. above ground, with aluminum cap, mkd. T7N R27E C-N 1/16 S20 LS11758 1982. This is accepted as a careful and faithful establishment of the cor. position. Add the marks 2013 to the aluminum cap.</p> <p>A steel fence post, with F.S. signs Nos. 54-2 and 54-9 attached, is set alongside the cor.</p> <p>N. 1°52' E., on the N. and S. center line of sec. 20.</p>
20.14	<p>The 1/4 sec. cor. of secs. 17 and 20.</p> <p style="text-align: center;">_____</p> <p>From the C-N 1/16 sec. cor. of sec. 20.</p> <p>S. 89°43' W., on the E. and W. center line of the NW 1/4 of sec. 20.</p>
20.09	<p>The NW 1/16 sec. cor. of sec. 20, established by Ronald E. Stoll, Arizona R.L.S. No. 11758, in 1982, monumented with aluminum pipe, 2 1/2 in. diam., firmly set, projecting 10 ins. above ground, with aluminum cap, mkd. T7N R27E NW 1/16 S20 LS11758 1982. This is accepted as a careful and faithful establishment of the cor. position. Add the marks 2013 to the aluminum cap.</p> <p>from which</p> <p style="padding-left: 40px;">A spruce, 17 ins. diam., bears S. 68 1/2° W., 22 lks. dist., with healed blaze. (Record: S. 60° W.)</p> <p>from which new bearing tree</p> <p style="padding-left: 40px;">A spruce, 11 ins. diam., bears S. 38 3/4° E., 50 lks. dist., mkd. T7NR27E NW1/16 S20 BT.</p> <p>A steel fence post, with F.S. signs Nos. 54-2 and 54-9 attached, is set alongside the cor.</p> <p style="text-align: center;">_____</p> <p>S. 89°42' W., beginning new measurement.</p>

Subdivision of Section 20,  
T. 7 N., R. 27 E., Gila and Salt River Meridian, Arizona

CHAINS	
5.02	<p>The C-E-W-NW 1/256 sec. cor. of sec. 20, established by Mark B. Clements, Arizona R.L.S. No. 22754, in 2000, monumented with an aluminum pipe, 2 1/2 in. diam., firmly set, projecting 4 ins. above the ground, with aluminum cap, mkd. LS22754 S20 C-E-W-NW 1/256 1900. This is accepted as a careful and faithful establishment of the cor. position. Add the marks 2013 to the aluminum cap.</p> <p>from which</p> <p style="padding-left: 40px;">A fir, 6 ins. diam., bears S. 2 3/4° E., 9 lks. dist., mkd. X BT. (Record: S. 23° W., 6.2 ft. dist.)</p> <p style="padding-left: 40px;">A fir, 12 ins. diam., bears N. 41 1/2° W., 43 lks. dist., mkd. X BT. (Record: N. 40° W., 28.5 ft. dist.)</p> <p>A steel fence post, with F.S. signs Nos. 54-2 and 54-9 attached, is set alongside the cor.</p> <hr/> <p>From the NW 1/16 sec. cor. of sec. 20.</p> <p>N. 1°36' E., on the N. and S. center line of the NW1/4 of sec. 20.</p>
15.09	<p>The C-N-N-NW 1/256 sec. cor. of sec. 20, established by Mark B. Clements, Arizona R.L.S. No. 22754, in 2000, monumented with an aluminum pipe, 2 1/2 in. diam., firmly set, projecting 5 ins. above the ground, with aluminum cap, mkd. LS22754 S20 C-N-N-NW 1/256 1900. This is accepted as a careful and faithful establishment of the cor. position. Add the marks 2013 to the aluminum cap.</p> <p>A steel fence post, with F.S. signs Nos. 54-2 and 54-9 attached, is set alongside the cor.</p> <hr/> <p>N. 1°34' E., beginning new measurement.</p>
5.03	<p>The W. 1/16 sec. cor. of secs. 17 and 20.</p> <hr/> <p>From the C-E-W-NW 1/256 sec. cor. of sec. 20.</p> <p>N. 1°32' E., on the N. and S. center line of the SE1/4NW1/4NW1/4 of sec. 20.</p>

Subdivision of Section 20,  
T. 7 N., R. 27 E., Gila and Salt River Meridian, Arizona

## CHAINS

15.08 The NE-NW-NW 1/256 sec. cor. of sec. 20, established by Mark B. Clements, Arizona R.L.S. No. 22754, in 2000, monumented with an aluminum pipe, 2 1/2 in. diam., firmly set, projecting 5 ins. above the ground, with aluminum cap, mkd. LS22754 S20 NE-NW-NW 1/256 1900. This is accepted as a careful and faithful establishment of the cor. position. Add the marks 2013 to the aluminum cap.

A steel fence post, with F.S. signs Nos. 54-2 and 54-9 attached, is set alongside the cor.

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From the C-N-N-NW 1/256 sec. cor. of sec. 20.

S. 89°39' W., on the E. and W. center line of the NE1/4NW1/4NW1/4 of sec. 20.

5.04 The NE-NW-NW 1/256 sec. cor. of sec. 20.

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GENERAL DESCRIPTION

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The portion of Township 7 North, Range 27 East, included in this survey, lies in the south-central part of Apache County, approximately seventeen (17) miles southwest of Springerville, Arizona. The land is mountainous, with valleys. The valley is approximately 9000 feet above sea level. The mountains rise sharply to approximately 10,000 feet. The mountains are covered with pine, spruce, and fir. The soil is clay loam in the valley and rocky clay loam on the mountains.

The mean magnetic declination of 10° E. was derived from the National Oceanic and Atmospheric Administration, National Geophysical Data Center, magnetic field calculator, utilizing the International Geomagnetic Reference Field model for the dates of survey.

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CERTIFICATE OF SURVEY

I, Christopher P. McDonald, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing the date of the 24th of August, 2012, and supplemental special instructions bearing the date of the 15th of August, 2013, I have dependently resurveyed a portion of the subdivisional lines and subdivided sections 17 and 20, T. 7 N., R. 27 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 Surveying Instructions for the Survey of the Public Lands of the United States, 2009, and in specific manner described in the foregoing field notes.

07/22/2014  
(Date)

Christopher P. McDonald  
(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 sections 17 and 20, T. 7 N., R. 27 E., Gila and Salt River Meridian, in the State of Arizona, executed by Christopher P. McDonald, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

7/28/2014  
(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. 7 N., R. 27 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~\_\_\_\_\_  
(Date)~~

~~\_\_\_\_\_  
(Chief Cadastral Surveyor of Arizona)~~