

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF
A PORTION OF
THE SUBDIVISIONAL LINES,
THE SUBDIVISION OF SECTION 10
AND THE METES-AND-BOUNDS SURVEY
OF A PORTION OF THE
NORTH SANTA TERESA WILDERNESS
WITHIN THE NW 1/4 OF SECTION 10
TOWNSHIP 6 SOUTH, RANGE 21 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Craig S. Dukart, Cadastral Surveyor

Under Special Instructions dated April 21, 2014, approved April 21, 2014, which provided for the surveys included under Group No. 1132, and assignment instructions dated April 21, 2014.

Survey commenced May 19, 2014

Survey completed May 28, 2014

INDEX DIAGRAM

TOWNSHIP 6 SOUTH RANGE 21 EAST
GILA & SALT RIVER MERIDIAN, ARIZONA

6	5	4	3	2	1
7	8	9	3 4 10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Subdivision of Section 10 Pages 6-7
 Metes-and-Bounds Survey of a Portion of
 North Santa Teresa Wilderness Boundary Pages 7-8

T. 6 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the subdivisional lines, the subdivision of section 10, and the metes-and-bounds survey of a portion of the North Santa Teresa Wilderness within the NW 1/4 of section 10, Township 6 South, Range 21 East, Gila and Salt River Meridian, Arizona.

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

The survey of the east and west boundaries, and the subdivision lines of Township 6 South, Range 21 East, Gila and Salt River Meridian, were surveyed by William E. Hiester, U.S. Surveyor and Charles E. Hunter, U.S. Transitman, in 1928. (Book 3870)

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, and the Special Instructions dated April 21, 2014, for Group No. 1132, 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.

The "standard monument" referred to in these notes is a stainless steel post, 28 ins. long, 2 1/2 ins. diam., with a brass cap. A magnet in a white plastic case is deposited at the base of the stainless steel post.

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) DK7569 AZSF SAFFORD CORS ARP, DN9197 AZBR KBC LIBRARY CORS ARP and DF7063 COT2 CITY OF TUCSON 2 CORS ARP. The NAD 83 (CORS96) (EPOCH:2011), geographic position of the following two corners:

The center north 1/16 sec. cor. of sec.10, is as follows:

Latitude: 32°55'53.155" N. Longitude: 110°11'19.927" W.

The cor. of secs. 3, 4, 9 and 10, is as follows:

Latitude: 32°56'06.145" N. Longitude: 110°11'50.990" W.

The mean magnetic declination is 10° E.

Dependent Resurvey of a portion of the Subdivisional Lines
T. 6 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS

Restoring the survey executed by
William E. Hiester and Charles E. Hunter, in 1928

Beginning at the witness corner for 1/4 sec. cor. of secs. 9 and 10, monumented with an iron post, 1 in. diam., firmly set, projecting 20 ins. above the ground, in a mound of stone, 5 ft. base, 1/2 ft. high, mkd. WC 1/4 S9 S10 1928.

Rebuild the mound of stone, 5 ft. base, to brass cap. Add the marks T6S R21E 2014 to the brass cap.

N. 0°09' W., bet. secs. 9 and 10.

Over rolling terrain.

6.62 True point for the 1/4 sec. cor. of secs. 9 and 10, at proportioned position, not monumented.

46.60 Cor. of secs. 3, 4, 9, and 10, monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above the ground, leaning N., in a mound of stone, 4 ft. base, 1/2 ft. high, with brass cap. mkd. T6S R21E S4 S3 S9 S10 1928.

Plumb the iron post and rebuild the mound of stone, 4 ft. base, to brass cap. Add the marks 2014 to the brass cap.

From the 1/4 sec. cor. of secs. 3 and 10, monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins., bent and twisted, with no brass cap, with no remaining evidence of the original bearing trees. With a steel "T-Post" fence post nearby.

At the corner point

Set a standard monument, 26 ins. in the ground, mkd.

T 6 S R 21 E
S 3
1/4 ———
S 10

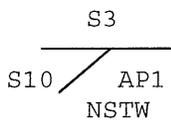
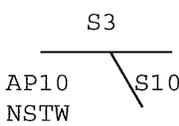
2014

Bury the original iron post, horizontally, alongside the stainless steel post.

Reset the steel "T-Post" fence post near cor.

Cor. falls S., 6 ft. dist. of a dirt road, 10 ft. wide, bears easterly and westerly.

Dependent Resurvey of a portion of the Subdivisional Lines
T. 6 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>S. 89°53' W., bet. secs. 3 and 10. Over rolling terrain.</p>
8.60	Dirt road, 10 ft. wide, bears . S. 5° E. and N. 5° W.
10.67	<p>Point for AP 1, sec. 10, on the boundary of the North Santa Teresa Wilderness. Set a standard monument, 23 ins. in the ground, mkd.</p>
	<p style="text-align: center;">T 6 S R 21 E</p> <div style="text-align: center;">  </div> <p style="text-align: center;">2014</p>
	<p>From this point, a U.S. Geological Survey benchmark, bears N. 12°14' W., 4.25 chs. dist., monumented with a brass tablet, set in a rock outcrop, mkd. 3701 FEET 37B 1948.</p>
11.60	Dirt road, 10 ft. wide, bears . N. 55° E. and S. 55° W.
22.10	Dirt road, 10 ft. wide, bears . S. 30° E. and N. 30° W.
22.64	<p>Point for AP 10, sec. 10, on the boundary of the North Santa Teresa Wilderness. Set a standard monument, 22 ins. in the ground, underpinned with an alum. rod, 3/4 in. diam., 36 ins. long, 53 ins. in the ground., brass cap mkd.</p>
	<p style="text-align: center;">T 6 S R 21 E</p> <div style="text-align: center;">  </div> <p style="text-align: center;">2014</p>
40.11	<p>Cor. of secs. 3, 4, 9, and 10.</p> <hr/>

Subdivision of Section 10
T. 6 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS			
	<p>From the 1/4 sec. cor. of secs. 10 and 15, monumented with an iron post, 1 in. diam., loosely set, projecting 30 ins. above the ground, leaning heavily, with brass cap mkd. S10 1/4 S15 1928.</p> <p>from which</p> <p style="padding-left: 40px;">A forked black oak, 10 ins. diam., bears S. 8° E., 26 lks. dist., with a healed blaze.</p> <p>Reset the original iron post, 1 in. diam., 36 ins. long, 20 ins. in the ground, with a supporting mound of stone, 4 ft. base, to brass cap. Add the marks T6S R21E 2014 to the brass cap.</p> <p>N. 0°02' W., on the N. and S. center line of sec. 10.</p> <p>Over rolling terrain.</p>		
40.10	Point for the center 1/4 sec. cor. of sec. 10, at intersection with the E. and W. center line, not monumented.		
60.08	<p>Point for the center N. 1/16 sec. cor. of sec. 10.</p> <p>Set a brass tablet, 3 1/4 ins. diam., 3 1/2 in. stem, in bedrock, mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T 6 S R 21 E</p> <p>C</p> <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">N 1/16</td> <td style="padding: 0 5px;">S 10</td> </tr> </table> <p>C</p> <p>2014</p> </div> <p>Deposit a magnet, without a white plastic case, at the base of the brass tablet.</p> <p>Raise a mound of stone, 5 ft. base, 3 ft. high, W. of cor.</p>	N 1/16	S 10
N 1/16	S 10		
80.06	<p>The 1/4 sec. cor. of secs. 3 and 10.</p> <hr style="width: 60%; margin: 10px auto;"/> <p>From the 1/4 sec. cor. of secs. 10 and 11, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above the ground, with a brass cap mkd. 1/4 S10 S11 1928, with a scattered mound of stone, 3 ft. base, 1 ft. high, NW of cor.</p> <p>Add the marks T6S R21E 2014 to the brass cap, and rebuild the mound of stone, 4 ft. base, 2 ft. high, W. of the cor.</p> <p>S. 89°52' W., on the E. and W. center line of sec. 10.</p>		

Subdivision of Section 10
T. 6 S., R. 21 E., Gila and Salt River Meridian, Arizona

CHAINS	
40.02	The center 1/4 sec. cor. of sec. 10.
80.05	The point for the 1/4 sec. cor. of secs. 9 and 10.
<hr/> <p>Metes-and-Bounds Survey of a Portion of the North Santa Teresa Wilderness Boundary, T. 6 S., R. 21 E., Gila and Salt River Meridian, Arizona</p> <hr/>	
	From AP 1, sec. 10, hereinbefore described.
	S. 57°45' W., on line 1-2, sec. 10.
2.484	Point for AP 2, sec. 10; not monumented.
	S. 61°14' W., on line 2-3, sec. 10.
2.205	Point for AP 3, sec. 10; not monumented.
	S. 51°02' W., on line 3-4, sec. 10.
1.716	Point for AP 4, sec. 10; not monumented.
	S. 73°17' W., on line 4-5, sec. 10.
0.746	Point for AP 5, sec. 10; not monumented.
	S. 89°46' W., on line 5-6, sec. 10.
2.745	Point for AP 6, sec. 10; not monumented.
	N. 66°56' W., on line 6-7, sec. 10.
1.512	Point for AP 7, sec. 10; not monumented.
	N. 46°10' W., on line 7-8, sec. 10.
1.137	Point for AP 8, sec. 10; not monumented.
	N. 19°26' W., on line 8-9, sec. 10.
1.760	Point for AP 9, sec. 10; not monumented.

**Metes-and-Bounds Survey of a Portion
of the North Santa Teresa Wilderness Boundary,
T. 6 S., R. 21 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>N. 28°50' W., on line 9-10, sec. 10.</p> <p>0.715 AP 10, sec. 10, hereinbefore described.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>This survey is located at the end of Black Rock Road, a graded road, and is adjacent to the Holladay Ranch. Franklin H. Holladay received a patent for his homestead, which was described by aliquot parts, in 1936, patent No. 1087244.</p> <p>The terrain is mostly rolling, with areas of rock outcrops. The soil is gravelly and rocky, supporting a variety of trees and brush.</p> <p>The elevation varies from 3,700 to 4,400 feet above sea level.</p> <p>The mean magnetic declination of 10° E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for the dates of survey.</p> <hr/>
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CERTIFICATE OF SURVEY

I, Craig S. Dukart, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 21st day of April, 2014, I have dependently resurveyed a portion of the subdivisional lines, the subdivision of section 10, and the metes-and-bounds survey of a portion of the North Santa Teresa Wilderness within the NW 1/4 of section 10, T. 6 S., R. 21 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 us and under our 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 19, 2014
(Date)

Craig S. Dukart
(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, the subdivision of section 10, and the metes-and-bounds survey of a portion of the North Santa Teresa Wilderness within the NW 1/4 of section 10, T. 6 S., R. 21 E., 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.

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 T. 6 S., R. 21 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

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

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