

ORIGINAL

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

FIELD NOTES

OF THE DEPENDENT RESURVEY OF

A PORTION OF THE NORTH BOUNDARY OF SECTION 26,
PARTIALLY SURVEYED TOWNSHIP 11 NORTH, RANGE 10 EAST,

AND

THE DEPENDENT RESURVEY OF

A PORTION OF THE LINES OF HOMESTEAD ENTRY SURVEY NO. 577,
AND A METES-AND-BOUNDS SURVEY IN
PARTIALLY SURVEYED TOWNSHIP 11 NORTH, RANGE 10 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Robin D. Rasmussen, U.S. Forest Service Land Surveyor

Under Special Instructions dated September 5, 2017, approved September 5, 2017, which provided for the surveys included under Group No. 1177, and Assignment Instructions dated September 5, 2017.

Survey commenced September 20, 2017

Survey completed September 25, 2017

INDEX DIAGRAM

TOWNSHIP 11 NORTH RANGE 10 EAST
 GILA & SALT RIVER MERIDIAN, ARIZONA

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Dependent Resurvey of Portion HES No. 577 Pages 6-7
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Partially Surveyed T. 11 N., R. 10 E., Gila and Salt River Meridian, Arizona

FEET

The following field notes describe the dependent resurvey of a portion of the north boundary of section 26, partially surveyed Township 11 North, Range 10 East, and the dependent resurvey of a portion of the lines of Homestead Entry Survey No. 577, and a metes-and-bounds survey within partially surveyed Township 11 North, Range 10 East, Gila and Salt River Meridian, Arizona.

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

The survey of Homestead Entry Survey No. 577, in unsurveyed Township 11 North, Range 10 East, Gila and Salt River Meridian, was surveyed by Frank D. Yost, Forest Service Surveyor, in 1919.

The plat labeled "Mesa del Caballo Tracts Plat No. 1", was surveyed by F. P. Hall, Arizona Registered Engineer, filed for record as Plat Map No. 210 at the Gila County Recorder's Office, dated November 21, 1958.

The plat labeled "Mesa del Caballo Tracts Plat No. 5", was surveyed by F. P. Hall, Arizona Registered Engineer, filed for record as Plat Map No. 236 at the Gila County Recorder's Office, dated November 3, 1959.

The survey of a portion of Township 11 North, Range 10 East, Gila and Salt River Meridian (the south two tiers of sections in the township), was surveyed by Kenneth D. Herman, Cadastral Surveyor, in 1967 and 1968. (Book 4832)

The plat labeled "Record of Survey/Minor Land Division", was surveyed by Raymond L. Jones (RLS 5713), Record of Survey Map No. 1571, filed at the Gila County Recorder's Office, dated June 11, 1998.

The plat labeled "Record of Survey/Minor Land Division", was surveyed by Raymond L. Jones (RLS 5713), Record of Survey Map No. 3071, filed at the Gila County Recorder's Office, dated February 23, 2006.

The plat labeled "Record of Survey", was surveyed by Stephen R. Perham (RLS 23955), Record of Survey Map No. 3096, filed at the Gila County Recorder's Office, dated March 21, 2006.

The plat labeled "Record of Survey Dependent Resurvey of HES 577 T11NR10E, G&SRM", was surveyed by Daniel R. Muth (RLS 31028), Record of Survey Map No. 4301A and 4301B, filed at the Gila County Recorder's Office, dated April 1, 2014.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, (2009), and the Special Instructions dated September 5, 2017, for Group No. 1177, Arizona.

Partially Surveyed T. 11 N., R. 10 E., Gila and Salt River Meridian, Arizona

FEET

The true meridian direction and length of all lines were determined by real-time kinematic global positioning system observations using Topcon HYPER II model receivers.

The "standard rebar" referred to in these notes is a rebar, 24 ins. long, 5/8 ins. diam., with a brass cap, 2 ins. diam., marked as noted 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) DL6010 AZSV STAR VALLEY CORS ARP, DL3063 AZTP TEMPE CORS ARP, and DL1882 AZFL NAU FLAGSTAFF CORS ARP.

The NAD 83 (CORS96) (EPOCH:2010), the geographic position of the 1/4 sec. cor. of secs. 23 and 26, T. 11 N., R. 10 E., is as follows:

Latitude: 34°16'31.118" N. Longitude: 111°17'58.711" W.

The NAD 83 (CORS96) (EPOCH:2010), the geographic position of Cor. No. 3, Homestead Entry Survey No. 577, is as follows:

Latitude: 34°16'46.557" N. Longitude: 111°17'44.432" W.

The mean magnetic declination is 10° E.

Dependent Resurvey of a portion of the North Boundary of Section 26, Partially Surveyed T. 11 N., R. 10 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by
Kenneth D. Herman, 1967-1968

Beginning at the 1/4 sec. cor. of secs. 23 and 26, monumented with a galvanized iron post, 2-1/2 ins. diam., projecting 18 ins. above the ground, set loosely and leaning to the west, with brass cap properly mkd., at the center of a scattered and embedded mound of stone, 3 ft. base.

From which the orig. bearing trees

A piñon, 15 ins. diam., bears S. 27 1/2° W., 35.6 ft. dist., with partially healed blaze, scribing visible, but illegible. Set USFS Bearing Tree tag.

A piñon stump, 8 ins. diam., bears N. 15° W., 42.9 ft. dist., the trunk down and sawed into several pieces, with partially healed blaze, scribing visible, but illegible.

Dependent Resurvey of a Portion of the North Boundary of Section 26,
Partially Surveyed T. 11 N., R. 10 E., Gila and Salt River Meridian, Arizona

FEET							
	<p>Reset the iron post in place, to vertical, projecting 16 ins. above the ground, and rebuilt the mound of stone on the foundation of the orig. mound, 3 ft. base, to top of post.</p> <p>Add the marks 2017 to the brass cap.</p> <p>Set a steel sign post with a USFS Land Survey Monument (LSM) sign affixed, NE of the iron post.</p> <p>Cor. is located on gentle SW slope, amid forest of piñon and juniper.</p> <p>N. 89°59'15" W., bet. secs. 23 and 26.</p> <p>Over rolling terrain, through forest of piñon and juniper.</p>						
1089.0	Center of Houston Mesa Road, a county road, asphalt surface, 22 ft. wide, bears N. 55° E. and. S. 50° W.						
2637.9	<p>The cor. of secs. 22, 23, 26, and 27, determined from the remains of the orig. bearing tree</p> <p>From which the original bearing tree</p> <p style="padding-left: 40px;">A piñon stump, 9 ins. diam., projecting 6 ins. above the ground, bears S. 34 1/4° E., 33.5 ft. dist. Set a Mag-Nail in top center of the stump.</p> <p>At the corner point</p> <p>Set a stainless steel post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, to bedrock, in the center of the orig. mound of stone, with brass cap, mkd.</p> <div style="text-align: center;"> <p>T 11 N R 10 E</p> <table style="margin: auto;"> <tr> <td style="padding: 0 10px;">S 22</td> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;">S 23</td> </tr> <tr> <td colspan="2" style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black;">+</td> </tr> <tr> <td style="padding: 0 10px;">S 27</td> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;">S 26</td> </tr> </table> <p>2017</p> </div> <p>Deposit a magnet, in a white plastic case, at the base of the stainless steel post.</p> <p>Rebuild the mound of stone, on the foundation of the orig. mound, 4 ft. base, to top of post.</p> <p>Set a steel sign post with LSM sign affixed, on west side of stainless steel post.</p>	S 22	S 23	+		S 27	S 26
S 22	S 23						
+							
S 27	S 26						

Dependent Resurvey of a Portion of the North Boundary of Section 26,
Partially Surveyed T. 11 N., R. 10 E., Gila and Salt River Meridian, Arizona

FEET	
	<p>Cor. is located 15 ft. NW of power pole line bears NE and SW, on gentle SW slope, amid forest of piñon and juniper.</p> <p>From this point, USC&GS station HUSTON, monumented with a brass tablet, 3-1/4 ins. diam., firmly set, cemented flush in drill hole in bedrock, at a high point on Houston Mesa, mkd. HUSTON 1946, bears N. 79°04'15" E., 954.3 ft. dist. (record: N. 79°36' E., 947.76 ft.)</p>
	<p style="text-align: center;">Dependent Resurvey of a portion of the Lines of H.E.S. No. 577, Partially Surveyed T. 11 N., R. 10 E., Gila and Salt River Meridian, Arizona</p>
	<p style="text-align: center;">Restoring the survey executed by Frank D. Yost in 1919</p>
	<p>Beginning at Cor. No. 2, H.E.S. No. 577, monumented with a galvanized iron post, 2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd. USDA 2 HES 577 1919, with a witness mound of stone, 2 ft. base, embedded, on SE side of post.</p> <p>From which the orig. bearing tree</p> <p style="padding-left: 40px;">A juniper, 24 ins. diam., with partially healed blaze, scribing visible, but illegible, bears N. 32°20' W., 3.3 ft. dist., with USFS Bearing Tree sign affixed.</p> <p>A steel sign post with LSM and USFS Boundary (Boundary) signs affixed, stands SE of the iron post.</p> <p>S. 33°53'00" W., on line 2-3 of H.E.S. No. 577.</p>
1926.0	Center of Houston Mesa Road, a county road, asphalt surface, 22 ft. wide, bears N. 63° E. and S. 60° W.
2457.4	<p>Cor. No. 3, H.E.S. No. 577, monumented with an iron post, 1 inch diam., firmly set, flush with the surface of the ground, with brass cap, 3-1/4 ins. diam., mkd. GILA COUNTY SURVEY MARK HES 577 COR 3 RLS 14169.</p> <p>From which the orig. bearing tree</p> <p style="padding-left: 40px;">A juniper, 15 ins. diam., with partially healed blaze, no marks visible, bears S. 38°41' W., 76.56 ft. dist.</p> <p>A steel sign post with LSM and Boundary signs affixed, stands SE of the iron post.</p>

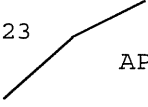
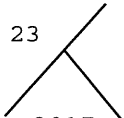
Dependent Resurvey of a portion of the Lines of H.E.S. No. 577,
Partially Surveyed T. 11 N., R. 10 E., Gila and Salt River Meridian, Arizona

FEET	
	<p>From this point, the 1/4 sec. cor. of secs. 23 and 26, hereinbefore described, bears S. 37°31'00" W., 1968.3 ft. dist.</p>
	<p>From this same point, USC&GS station HUSTON, hereinbefore described, bears S. 64°33'15" W., 3211.0 ft. dist.</p>
	<hr/> <p>N. 55°42'00" W., on line 3-4 of H.E.S. No. 577</p>
319.5	<p>From this point, an angle point in a chain link fence, 6 ft. high, bears S. 34°18' W, 3.6 ft. dist. Fence extends ENE and S. 56 1/2° E.</p>
325.2	<p>The westerly cor. of Parcel No. 2 as described in the Joint Tenancy Deed recorded August 29, 2013, as Document No. 2013-010346, Official Records of Gila County, monumented with a steel rebar, 1/2 inch diam., firmly set, 4 ins. below the surface of the ground, with no identifying marks. Rebar is located 3.5 ft. northeasterly of the northwesterly projection of same chain link fence.</p>
337.0	<p>From this point, an iron pipe, 1/2 inch diam., firmly set, projecting 4 ins. above ground, with no identifying marks, bears S. 34°18' W, 4.7 ft. dist. Iron pipe is located 1.0 ft. SW of the northwesterly projection of same chain link fence. There is no record of this iron pipe, and it is not accepted as control for this survey.</p>
370.0	<p>Center of Houston Mesa Road, a county road, asphalt surface, 22 ft. wide, bears N. 70° E., and S. 70° W.</p>
639.5	<p>Intersect the SE Right-of-Way (R-O-W) line of Caballero Road, 40 ft. wide, as depicted on the plat labeled "Record of Survey/Minor Land Division", surveyed by Raymond L. Jones (RLS 5713), Record of Survey Map No. 1571, filed at the Gila County Recorder's Office, dated June 11, 1998, monumented with a steel rebar, 1/2 inch diam., firmly set, projecting 2 ins. above ground, with brass disc mkd. LS5713 affixed.</p>
827.4	<p>The westerly cor. of Parcel 1, as depicted on the plat labeled "Record of Survey/Minor Land Division", surveyed by Raymond L. Jones (RLS 5713), Record of Survey Map No. 1571, filed at the Gila County Recorder's Office, dated June 11, 1998, monumented with a steel rebar, 1/2 inch diam., firmly set, projecting 3 ins. above ground, with brass disc mkd. LS5713 affixed.</p>
1002.4	<p>Cor. No. 4, H.E.S. No. 577, monumented with a stone, 4 x 10 ins., firmly set, projecting 6 ins. above ground, marked 4 HES 577 on E. face, and with an X chiseled on top.</p>
	<p>A steel sign post with LSM and Boundary signs affixed, stands W. of the stone.</p> <hr/>

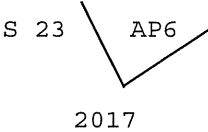
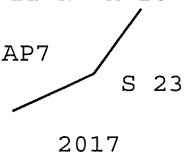
**Survey of Metes and Bounds Tract 64 in Unsurveyed Section 23,
Partially Surveyed T. 11 N., R. 10 E., Gila and Salt River Meridian, Arizona**

FEET	
308.4	<p>Beginning at Cor. No. 3, H.E.S. No. 577, hereinbefore described, identical with Angle Point No. 1 of this tract.</p> <p>N. 55°42'00" W., on line 3-4 of H.E.S. No. 577, and line 1-2 of this Tract 64.</p> <p>Angle Point No. 2, at intersection with the southerly R-O-W line of Houston Mesa Road, as described in the HIGHWAY EASEMENT DEED, filed for record February 14, 2014, as document 2014-001347, official Records of Gila County.</p> <p>Set a standard rebar, flush with the ground, with brass cap mkd.</p> <div data-bbox="779 672 1039 903" style="text-align: center;"> <p>T 11 N R 10 E</p> <p>S23 HES 577</p> <p>AP2</p> <p>2017</p> </div> <p>From this point a rebar is located 3.4 ft. N. 34°18' E. of the same chain link fence, 6 ft. high, bears N. 56 1/2° W. and S. 56 1/2° E.</p> <p>Note: rebar falls within an area enclosed by the same chain link fence, behind a locked gate erected by the private landowner.</p> <hr/> <p>S. 69°32'15" W., on line 2-3, along said southerly R-O-W line of Houston Mesa Road, 50 feet to the left of and parallel with the centerline thereof.</p>
198.8	<p>Angle Point No. 3, being the beginning of a tangent circular curve to the left.</p> <p>Set a standard rebar, flush with the ground, with brass cap mkd.</p> <div data-bbox="779 1428 1039 1617" style="text-align: center;"> <p>T 11 N R 10 E</p> <p>S 23</p> <p>AP3</p> <p>2017</p> </div> <p>Set a steel sign post with LSM and Boundary signs affixed, WSW of the rebar.</p> <hr/>

Survey of Metes and Bounds Tract 64 in Unsurveyed Section 23,
Partially Surveyed T. 11 N., R. 10 E., Gila and Salt River Meridian, Arizona

FEET	
	<p>On curve 3-4, continuing along said southerly R-O-W line, and being said tangent circular curve to the left, having a radius of 825 ft., through a central angle of 21°34'50", and an arc length of 310.7 ft.</p>
310.7	<p>Angle Point No. 4, and the end point of said tangent circular curve.</p> <p>Set a standard rebar, flush with the ground, with brass cap mkd.</p> <div data-bbox="792 598 1019 772" style="text-align: center;"> <p>T 11 N R 10 E</p>  <p>2017</p> </div> <p>Set a steel sign post with LSM and Boundary signs affixed, WSW of the rebar.</p> <hr style="width: 20%; margin: 10px auto;"/>
90.8	<p>S. 48°01'15" W., on line 4-5, continuing along said southerly R-O-W line.</p> <p>True point for Angle Point No. 5; falls in the center of a gravel driveway, 20 ft. wide, bears NE and SW, built for construction purposes only, where it is impracticable to establish a permanent monument.</p> <hr style="width: 20%; margin: 10px auto;"/>
10.0	<p>S. 24°02'00" E., on line 5-6, leaving said southerly R-O-W line.</p> <p>The point chosen for the WC for Angle Point No. 5.</p> <p>Set a standard rebar, 18 ins. in the ground, to bedrock, in a collar of stone, 1-1/2 ft. base, with brass cap mkd.</p> <div data-bbox="792 1411 1019 1612" style="text-align: center;"> <p>W C</p> <p>T 11 N R 10 E</p>  <p>2017</p> </div> <p>Set a steel sign post with LSM and Boundary signs affixed, SSE of the rebar.</p> <p>Cor. is located 2 ft. WSW of old four-strand barbed wire fence extends SSE.</p>

Survey of Metes and Bounds Tract 64 in Unsurveyed Section 23,
Partially Surveyed T. 11 N., R. 10 E., Gila and Salt River Meridian, Arizona

FEET	
403.3	<p>Angle Point No. 6.</p> <p>Set a standard rebar, 14 ins. in the ground, to bedrock, build a mound of stone, 2 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 11 N R 10 E</p>  <p>2017</p> </div> <p>Set a steel sign post with LSM and Boundary signs affixed, NE of the rebar.</p> <p>Cor. is located 1 ft. WSW of same four-strand barbed wire fence, extends NNW and SSE, and 8 ft. ENE of center of Forest Road 1158, a jeep trail, bears NNW and SSE, on gentle S slope, amid scattered forest of piñon and juniper.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>N. 63°12'45" E., on line 6-7.</p>
476.1	<p>Angle Point No. 7.</p> <p>Set a standard rebar, 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 11 N R 10 E</p>  <p>2017</p> </div> <p>A steel "T" post stands 1.0 ft. N of the rebar. Affixed LSM and Boundary signs to the post.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>N. 34°11'00" E., on line 7-1.</p>
326.7	<p>Angle Point No. 1, hereinbefore described.</p> <hr style="width: 60%; margin: 10px auto;"/>

Survey of Metes and Bounds Tract 64 in Section 23,
Partially Surveyed T. 11 N., R. 10 E., Gila and Salt River Meridian, Arizona

FEET	GENERAL DESCRIPTION
	<hr/> <p>The purpose of this survey is to define the boundary, of a metes and bounds tract for a water treatment plant for the benefit of the Town of Payson, Arizona.</p> <p>This survey is located on Houston Mesa, approximately 2 miles NE of Payson, Arizona. Access is by way of State Highway 87, to Houston Mesa Road, a paved county road that fronts on the tract.</p> <p>The terrain surrounding the tract is open and flat, in a scattered piñon and juniper forest. The elevation is approximately 5200 ft. above sea level.</p> <p>Construction of the proposed water treatment plant on this site is underway as of the date of this survey. A chain-link construction fence, 6 ft. high, with gates, encloses the entire site, with the exception of the private fence along the NE boundary, hereinbefore described. The construction fence will be removed after construction is complete, and is not called out in these field notes.</p> <p>The mean magnetic declination of 10° E. was derived from the United States National Oceanic and Atmospheric Administration (NOAA), National Centers for Environmental Information (NCEI), utilizing the World Magnetic Model (WMM 2014-2019), for Epoch 2015 for the dates of the survey.</p> <hr/>

CERTIFICATE OF SURVEY

I, Robin D. Rasmussen, U.S. Forest Service Land Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 5th day of September 2017, I have dependently resurveyed a portion of the north boundary of section 26, partially surveyed T. 11 N., R. 10 E., and portions of the lines of Homestead Entry Survey No. 577, partially surveyed T. 11 N., R. 10 E., and surveyed a metes-and-bounds tract, partially surveyed T. 11 N., R. 10 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, (2009), and in the specific manner described in the foregoing field notes.

1/10/2018
(Date)

Robin D. Rasmussen
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the north boundary of section 26, partially surveyed T. 11 N., R. 10 E., and portions of the lines of Homestead Entry Survey No. 577, partially surveyed T. 11 N., R. 10 E., and survey of a metes-and-bounds tract, partially surveyed T. 11 N., R. 10 E., Gila and Salt River Meridian, in the State of Arizona, executed by Robin D. Rasmussen, U.S. Forest Service Land Surveyor, having been critically examined and found correct, are hereby approved.

1/17/2018
(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 partially surveyed T. 11 N., R. 10 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

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

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