

ORIGINAL

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

FIELD NOTES

OF THE DEPENDENT RESURVEY OF  
A PORTION OF THE NORTH BOUNDARY,  
KATHERINE LODGE, MINERAL SURVEY NO. 4438,  
THE NORTHWESTERLY BOUNDARY OF THE OAK TREE NO. 1  
AND NO. 2 LODGES, MINERAL SURVEY No. 4508, AND  
A METES-AND-BOUNDS SURVEY IN SECTION 1,  
PARTIALY SURVEYED  
TOWNSHIP 10 SOUTH, RANGE 15 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 July 18, 2019, approved July 18, 2019, which provided for the surveys included under Group No. 1195, and assignment instructions dated July 18, 2019.

**Survey commenced September 28, 2019**

**Survey completed July 30, 2020**

## INDEX DIAGRAM

TOWNSHIP 10 NORTH                      RANGE 15 EAST  
GILA & SALT RIVER MERIDIAN, ARIZONA

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## T. 10 S., R. 15 E., Gila and Salt River Meridian, Arizona

FEET	
	<p>The following field notes describe the dependent resurvey of the north line of section 1, and portions of Mineral Survey No. 4438, and Mineral Survey No. 4508, and a metes-and-bounds survey, in Township 10 South, Range 15 East, Gila and Salt River Meridian, Arizona.</p> <p>The history of surveys pertaining to this survey is as follows: The survey of the south boundary of Township 9 South, Range 15 East, Gila and Salt River Meridian, was made by William B. Alexander, U.S. Deputy Surveyor, in 1904. (Book 1836)</p> <p>The retracement of section 36 of Township 9 South, Range 15 East, Gila and Salt River Meridian, was made by William Stover, U.S. Deputy Surveyor, in 1909. (Book 2105)</p> <p>The survey of Mineral Survey No. 4438, in Townships 9 and 10 South, Range 15 East, Gila and Salt River Meridian, was made by John H. Stitzer, Mineral Surveyor, in 1958 and 1959.</p> <p>The survey of Mineral Survey No. 4508, in Township 10 South, Range 15 East, Gila and Salt River Meridian, was made by Harvey W. Smith, Mineral Surveyor, in 1959.</p> <p>The survey of sections 1 and 2 of Township 10 South, Range 15 East, Gila and Salt River Meridian, was made by Leonard W. Murphy, Cadastral Surveyor, in 1963. (Book 4660)</p> <p>The subdivision plat labeled "State Plat No. 5", was prepared by the State Land Commissioner, filed in Cabinet 2, Slide 0014, in the Pinal County Recorder's Office, date unknown.</p> <p>The plat labeled "Survey and Monumentation of a Portion of the Coronado National Forest", was surveyed by Robert L. Feather (RLS 16814), filed in Book 1 of surveys at page 164, in the Pinal County Recorder's Office, dated June 20, 1986.</p> <p>The plat labeled "Record of Survey, Minor Land Division", was surveyed by Lonny B. Carlson (RLS 10046), filed in book 7 of surveys at page 048, in the Pinal County Recorder's Office, dated October 8, 2002.</p> <p>The purpose of this survey is to define the boundary, and provide a description of, a metes and bounds tract for a direct sale to private parties, under authority of the "John D. Dingell, Jr., Conservation, Management, and Recreation Act" of 2019, Public Law No: 116-9.</p> <p>The "standard rebar" referred to in these notes is a steel rebar, 24 ins. long, 5/8 inch diam., driven 20 ins. in the ground, or as noted, with a brass cap, 2 ins. diam., marked as noted, in a small collar of stone.</p>

## T. 10 S., R. 15 E., Gila and Salt River Meridian, Arizona

FEET

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 July 18, 2019, for Group No. 1195, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Topcon HIPER II 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) DL7716 SAHUARITA AZ2007 CORS ARP, DF7063 COT2 CITY OF TUSCON 2 CORS ARP, DM7129 AZVA SYCAMORE ELEM SCH CORS ARP, DF5763 AZGB GILA COUNTY CORS ARP

The NAD 83 (2011) (EPOCH:2010), geographic position of the cor. of secs. 1, 2, 35 and 36, Townships 9 and 10 South, Range 15 East, is as follows:

Latitude: 32°36'02.854" N.                      Longitude: 110°46'26.293" W.

The NAD 83 (2011) (EPOCH:2010), geographic position of the cor. of secs. of secs. 1 and 36 only, Townships 9 and 10 South, Range 15 East, is as follows:

Latitude: 32°36'02.670" N.                      Longitude: 110°45'24.563" W.

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

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**Dependent Resurvey of the North Line of Sec. 1,  
T. 10 S., R. 15 E., Gila and Salt River Meridian, Arizona**

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Restoring the surveys executed by  
William B. Alexander in 1904, and  
William Stover in 1909

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Beginning at the cor. of secs. 1 and 36, T. 9 and 10 S., R. 15 E., monumented with an aluminum post, 2-1/2 inch diam., firmly set, projecting 12 ins. above ground, with aluminum cap, 3-1/4 ins. diam. mkd. R15E R16E T9S T10S S36 S1 S6 1986 LS16814. This aluminum post was set by Robert L. Feather, R.L.S. 16814, as depicted on

**Dependent Resurvey of the North Line of Sec. 1,  
T. 10 S., R. 15 E., Gila and Salt River Meridian, Arizona**

FEET	
	<p>the Survey plat filed in book 1 of surveys, at page 164, in the Pinal County Recorder's Office, dated June 20, 1986. Feather states on his plat that he found the 1904 mkd. stone, and replaced the stone with the aluminum post. The aluminum post is accepted as a careful and faithful perpetuation of the original position for the corner.</p> <p>From which the bearing objects</p> <p style="padding-left: 40px;">A wood power pole mkd. X BO bears S. 33° E., 9.0 ft. dist. (record S. 11° W.) established by Feather in 1986</p> <p style="padding-left: 40px;">A steel power pole, 12 ins. diam., bears S. 48-1/2° E., 9.0 ft. dist., to center.</p> <p>N. 89°45' W., between secs. 1 and 36.</p>
555.0	The center of Cody Loop Road, asphalt surface, 20 ft. wide, bears N. 30° W. and S. 30° E.
2640.7	<p>The 1/4 sec. cor. of secs. 1 and 36, monumented with an aluminum rod, 3/4 inch diam., firmly set, projecting 12 ins. above ground, with aluminum cap, 3-1/4 ins. diam., mkd. S36 S1 1/4 LS16814 1986. This aluminum post was set by Robert L. Feather, R.L.S. 16814, as depicted on the Survey plat filed in book 1 of surveys, at page 164, in the Pinal County Recorder's Office, dated June 20, 1986. Feather states on his plat that he found the 1904 mkd. stone, and replaced the stone with the aluminum rod. The aluminum rod is accepted as a careful and faithful perpetuation of the original position for the corner, from which the bearing object</p> <p style="padding-left: 40px;">A power pole stub, bears S. 40-1/2° W., 15.5 ft. dist. to top center.</p> <hr style="width: 60%; margin-left: 40px;"/> <p>N. 89°51' W., between secs. 1 and 36, beginning new measurement</p>
1118.5	Angle Point No. 4 of the Metes-and-Bounds tract, hereinafter described.
1273.7	An iron pipe, 5/8 inch diam., firmly set, projecting 2 ins. above ground, with steel cap mkd. 43 44. This pipe was established by the State Lands Commissioner, as depicted on State Plat No. 5, filed for record in cabinet 2 at slide 0014, in the Pinal County Recorder's Office, and as depicted on Record of Survey filed in book 7 of surveys at page 048, in the Pinal County Recorder's Office, dated October 8, 2002.
1308.5	Center of graded dirt driveway, 10 ft. wide, bears N and S.
1317.8	An iron pipe, 5/8 inch diam., firmly set, projecting 6 ins. above ground, with steel cap mkd. 42. This pipe was established by the State Lands Commissioner, as depicted on State Plat No. 5, filed for record in cabinet 2 at slide 0014, in the Pinal County

**Dependent Resurvey of the North Line of Sec. 1,  
T. 10 S., R. 15 E., Gila and Salt River Meridian, Arizona**

FEET	
	Recorder's Office, and as depicted on Record of Survey filed in book 7 of surveys at page 048, in the Pinal County Recorder's Office, dated October 8, 2002.
1646.5	Angle Point No. 1 of the Metes-and-Bounds tract, at the point of intersection with line 2-3 of the Katherine lode, M.S. No. 4438, hereinafter described.
2299.4	The point of intersection with line 4-1 of the Katherine lode, M.S. 4438, monumented with an aluminum rod, 3/4 inch diam., firmly set, projecting 16 ins. above ground, with aluminum cap, 3-1/4 ins. diam., mkd. SEC 36 C-2 4276 SEC 1 C-3 4276 LS16814 1985. This aluminum post was set by Robert L. Feather, R.L.S. 16814, as shown on the Survey plat filed in book 1 of surveys, at page 164, in the Pinal County Recorder's Office, dated June 20, 1986, and is accepted as a careful and faithful establishment of the position for the corner.
2641.5	<p>The cor. of secs. 1, 2, 35, and 36, monumented with a galvanized iron post, 2-1/2 ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd. T9S R15E S36 S35 S2 S1 T10S R15E 1963 per the 1963 Dependent Resurvey. This corner was recovered by Robert L. Feather, R.L.S. 16814, in 1985, as shown on the Survey plat filed in book 1 of surveys, at page 164, in the Pinal County Recorder's Office, dated June 20, 1986.</p> <p>From this point, Cor. No. 2 of the Katherine lode, M.S. No. 4438, bears N. 66°27' E., 911.9 ft. dist. (record N. 66°22' E., 912.2 ft. dist.), hereinafter described.</p> <p>From this same point, a steel axle, 1-1/4 inch diam., firmly set, projecting 4 ins. above ground, bears N. 37° W., 1.1 ft. dist.</p> <p>From this same point, a steel end post of a wire fence extends N, bears N, 1.0 ft. dist.</p> <p>From this same point, a mag-nail, with brass washer, 2 inch diam., mkd. USDA FOREST SERVICE 2020 RLS 14677, set in SE side of wood pole in high voltage power line extends E and W, bears S. 25° W., 11.3 ft. dist.</p> <hr/> <p style="text-align: center;"><b>Dependent Resurvey of the Katherine lode, Mineral Survey No. 4438, Tps. 9 and 10 S., R. 15 E., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p style="text-align: center;">Restoring the survey executed by John H. Stitzer in 1958 and 1959</p> <hr/> <p>Beginning at Cor. No. 2 of the Katherine lode, M.S. No. 4438, monumented with an iron post, 1-1/2 inch diam., firmly set, projecting 18 ins. above a collar of stone, 2 ft. base, with a</p>

Dependent Resurvey of the Katherine lode, Mineral Survey  
No. 4438, Tps. 9 and 10 S., R. 15 E., Gila and Salt River  
Meridian, Arizona

FEET	
	<p>cast lead cap, 2-1/2 ins. diam., badly weathered, the marks 2 3 are legible, from which the local bearing objects</p> <p>A rebar, 1/2 inch diam., firmly set in a concrete post, 6 ins. diam., 6 ins. high, bears N. 46° E., 17.8 ft. dist., established by parties unknown.</p> <p>A rebar, 1/2 inch diam., firmly set in a concrete post, 6 ins. diam., 6 ins. high, bears S. 62° E., 60.7 ft. dist., established by parties unknown.</p> <p>This corner was recovered by Robert L. Feather, R.L.S. 16814, in 1985, as shown on the Survey plat filed in book 1 of surveys, at page 164, in the Pinal County Recorder's Office, dated June 20, 1986.</p> <p>S. 23°26' E., on line 2-3 of the Katherine lode, M.S. No. 4438.</p>
399.9	Angle Point No. 1 of the Metes-and-Bounds tract, hereinafter described, at intersection with the line between secs. 1 and 36.
857.4	Angle Point No. 2 of the Metes-and-Bounds tract, hereinafter described.
1028.0	Intersect line 1-2, Oak Tree No. 2 lode, M.S. No. 4508, at a point from which Cor. No. 1 thereof, hereinafter described, bears S. 66° 25' W., 0.8 ft. dist. (record bearing and dist.)
1492.9	<p>Cor. No. 3 of the Katherine lode, M.S. No. 4438, monumented with an iron post, 1-1/2 inch diam., firmly set, projecting 16 ins. above a mound of stone, 3-1/2 ft. base. The cast lead cap has been melted by brush fire, and the melted remains of the cap, with the marks D4 legible, are found placed in the open top of the post. Local resident David Kelly states that several years ago he found this same iron post lying on the ground alongside the mound of stone, and reset the post at the center of the mound, as found by this survey. Additionally, Mr. Kelly states that he found the melted remains of the cap alongside the mound, on the ground, and placed those melted remains inside the top of the post.</p> <hr/> <p>S. 66°28' W., on line 3-4 of the Katherine lode, M.S. No. 4438.</p>
595.7	<p>Cor. No. 4 of the Katherine lode, M.S. No. 4438, monumented with an iron post, 1-1/2 inch diam., firmly set, projecting 18 ins. above a mound of stone, 3-1/2 ft. base, with a cast lead cap, 2-1/2 ins. diam., mkd. K4 D1 4438 SCEX2 1 4438 4276 NC 3. The SE bearing tree, a juniper, 20 ins. dim., stands in place, with partially healed blaze, the marks 38 BT are legible.</p> <hr/> <p>N. 23°33' W., on line 4-1 of the Katherine lode, M.S. No. 4438.</p> <p>Across rolling terrain.</p>

**Dependent Resurvey of the Katherine lode, Mineral Survey  
No. 4438, Tps. 9 and 10 S., R. 15 E., Gila and Salt River  
Meridian, Arizona**

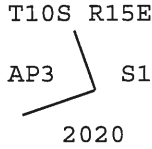
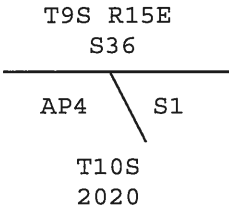
FEET	
1355.4	The point of intersection with the line between secs. 1 and 36, hereinbefore described.
1492.9	Cor. No. 1 of the Katherine lode, M.S. No. 4438.  Cor. not monumented (cor. falls on private land).  From this point, the cor. of secs. 1, 2, 35, and 36, hereinbefore described, bears S. 66° 27' W., 313.2 ft. dist. (record S. 66° 22' W., 312.27 ft. dist.)  N. 66° 27' E., on line 1-2 of the Katherine lode, M.S. No. 4438.
598.7	Cor. No. 2, hereinbefore described.
<hr/> <p><b>Dependent Resurvey of a Portion of Mineral Survey No. 4508, T. 10 S., R. 15 E., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p style="text-align: center;">Restoring the survey executed by Harvey W. Smith in 1959</p> <hr/>	
	Beginning at Cor. No. 1 of the Oak Tree No. 2 lode, M.S. No. 4508, monumented with an iron post, 1 inch diam., firmly set, flush with the ground, with brass cap, 2 ins. diam., incorrectly mkd. MS4508 OT2 2 OT1 1 (record MS4508 OT2 1 X), in a small collar of stone.  From this point, the cor. of secs. 1, 2, 35, and 36, hereinbefore described, bears N. 65°02' W., 1372.35 ft. dist. (record N. 65°01' W., 1374.10 ft.)  From this point, cor. No.3 of the Katherine Lode, M.S. 4438, hereinbefore described, bears S. 23°32' E., 464.9 ft. dist.  The corner stands at the SW side of a granite boulder 6 x 10 x 6 ft. high, on a westerly slope.  N. 66°25' E., on line 1-2, Oak Tree No. 2 lode, M.S. No. 4508.
0.8	Intersect line 2-3 of the Katherine lode, M.S. No. 4438, at a point from which Cor. No. 3 thereof bears S. 23°26' E., 464.9 ft. dist. (record S. 23°31' E.)
599.6	Position for Cor. No. 2 of the Oak Tree No. 2 lode, identical with Cor. No. 1, Oak Tree No. 1 lode, M.S. No. 4508, at proportionate dist. There are no remains of the 1959 iron post, or the accessories. There has been machine grading in this area.  Cor. not monumented.



Dependent Resurvey of a Portion of Mineral Survey No. 4508,  
T. 10 S., R. 15 E., Gila and Salt River Meridian, Arizona

FEET	
599.2	<p>N. 66°25' E., on line 1-2, Oak Tree No. 1 lode, M.S. No. 4508.</p> <p>Cor. No. 2 of the Oak Tree No. 1 lode, M.S. No. 4508, monumented with an iron post, 1 inch diam., flush with the ground, leaning sharply to the WSW, in a collar of poured concrete, 0.8 ft. diam., with a brass cap 2 ins. diam., mkd. MS4508 OT1 2 X. Reset the iron post to vertical over the point of base of the post, projecting 4 ins. above ground, in a small collar of stone.</p> <hr/> <p style="text-align: center;"><b>Survey of a Metes-and-Bounds Tract in Section 1, T. 10 S., R. 15 E., Gila and Salt River Meridian, Arizona</b></p> <hr/> <p>Beginning at Angle Point No. 1 of the Metes-and-Bounds tract, at the point of intersection of the line between secs. 1 and 36 with line 2-3 of the Katherine lode, M.S. No. 4438.</p> <p>Drive a standard rebar, with brass cap mkd.</p> <div style="text-align: center;"> <p>T9S R15E S36</p> <hr style="width: 100px; margin: 0 auto;"/> <p>MS4438 \ AP1</p> <p>T10S 2020</p> </div> <p>Set steel sign post, with USFS Land Survey Monument sign affixed, 0.8 ft. SSE.</p> <p>S. 23°26' E., on line 1-2 of this tract, and on line 2-3 of the Katherine lode, M.S. 4438.</p>
457.5	<p>The point for Angle Point No. 2.</p> <p>Falls on top of granite boulder, 40 x 20 x 10 ft. high, at northeasterly edge, where I set a mag-nail, with brass washer, 2 inch diam., mkd. USDA FOREST SERVICE 2020 RLS 14677, cemented flush with the surface of the boulder, in drill hole 2 ins. deep.</p> <p>From this cor. point, an oak, 10 ins. diam., with USFS Land Survey Monument sign affixed, bears NE, 3 ft. dist.</p> <hr/> <p>N. 66°25' E., on line 2-3 of this tract, and parallel with line 1-2 of the Oak Tree No. 1 lode, M.S. No. 4508.</p>
483.8	<p>The point for Angle Point No. 3.</p> <p>Drive a standard rebar, with brass cap mkd.</p>

Survey of a Metes-and-Bounds Tract in Section 1,  
T. 10 S., R. 15 E., Gila and Salt River Meridian, Arizona

FEET	
	<div style="text-align: center;">  <p>T10S R15E AP3 S1 2020</p> </div> <p>Set steel sign post, with USFS Land Survey Monument sign affixed, 0.5 ft. WSW.</p> <hr/>
245.0	<p>N. 23°26' W., on line 3-4 of this tract, and parallel with line 2-3 of the Katherine lode, M.S. No. 4438.</p> <p>The point for Angle Point No. 4, at intersection with the line between secs. 1 and 36.</p> <p>Drive a standard rebar, with brass cap mkd.</p>
	<div style="text-align: center;">  <p>T9S R15E S36 AP4 S1 T10S 2020</p> </div> <p>Set steel sign post, with USFS Land Survey Monument sign affixed, 1 ft. SSE.</p> <hr/> <p>N. 89°51' W., on line 4-1 of this tract, and on the line between secs. 1 and 36.</p>
528.0	<p>Angle Point No. 1, hereinbefore described.</p> <hr/>
	<p style="text-align: center;">AREA</p> <hr/> <p>This tract contains 3.90 acres.</p> <hr/>

## T. 10 S., R. 15 E., Gila and Salt River Meridian, Arizona

FEET	GENERAL DESCRIPTION
	<p data-bbox="386 369 1419 485">This survey is located south of, and adjoining, the northerly boundary of the Coronado National Forest, approximately 1 mile southerly of the Town of Oracle, Arizona. From Oracle, access the tract by way of local subdivision roads.</p> <p data-bbox="386 520 1419 604">The terrain surrounding the tract is open and rolling, in a scattered high desert oak-juniper forest. The elevation is approximately 4750 ft. above sea level.</p> <p data-bbox="386 640 1419 756">The mean magnetic declination of <math>9-3/4^{\circ}</math> 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).</p>



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 18th day of July, 2019, I have dependently resurveyed the north line of section 1, the lines of Mineral Survey No. 4438, and a portion of the lines of Mineral Survey No. 4508, and performed a metes-and-bounds survey, T. 10 S., R. 15 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 Instructions for the Survey of the Public Lands of the United States, 2009, and in the specific manner described in the foregoing field notes.

2/04/2021

(Date)

Robin D Rasmussen

(U.S. Forest Service Land Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Phoenix, Arizona

The foregoing field notes of the dependent resurvey the north line of section 1, the lines of Mineral Survey No. 4438, and a portion of the lines of Mineral Survey No. 4508, and a metes-and-bounds survey, T. 10 S., R. 15 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.

2/09/2021

(Date)

Mark Mahoney

(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. 10 S., R. 15 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~(Date)~~

~~(Chief Cadastral Surveyor of Arizona)~~