

R-5318

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE

THE METES-AND-BOUNDS SURVEY

OF

LOT 2,

IN PARTIALLY SURVEYED

SECTION 14,

TOWNSHIP 12 NORTH, RANGE 10 EAST,

Of the Gila and Salt River Meridian,  
In the State of Arizona

EXECUTED BY

Gary D. Johnson, Cadastral Surveyor

Under Special Instructions dated January 14, 1991, approved January 14, 1991,  
which provided for the surveys included under Group Number 726 and assignment  
instructions dated January 14, 1991.

Survey commenced February 25, 1991

Survey completed April 11, 1991

INDEX DIAGRAM

TOWNSHIP 12 NORTH , RANGE 10 EAST ,

6	5	4	3	2	1
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Metes-and-bounds survey of lot 2, in partially surveyed section 14, Pages 4-9

T. 12 N., R. 10 E., Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes are those of the metes-and-bounds survey of Lot 2, in partially surveyed section 14, Township 12 North, Range 10 East, Gila and Salt River Meridian, Arizona.

A portion of the East boundary and a portion of the subdivisional lines were surveyed by Charles L. Campbell in 1904.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated January 14, 1991, for Group No. 726, Arizona.

The request for this survey was made by the Forest Supervisor, Tonto National Forest and the Federal Land Exchange Inc., to facilitate a land exchange.

A survey tie was made to an identified original rectangular survey corner and this corner was remonumented in its' original position. Approximate positions for the corners of Lot 2 were determined by the U. S. Forest Service.

The directions of all lines were determined by direct hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured with a Geodimeter 140 and Topcon GTS-3B total stations.

The geographic position of Cor. 1 was determined by the technique of relative positioning using the Mini Ranger GPS Geodetic System. "BUCK" and "HUSTON" were used as the control stations.

NAD 27 Latitude 34°25'27.19" N. Longitude 111°16'00.05" W.

The mean magnetic declination as taken from quadrangle map KEHL RIDGE, ARIZ., published in 1972 by U.S. Geological Survey, is 14° E.

Metes-and-Bounds Survey of Lot 2, in Partially Surveyed Section 14,  
T. 12 N., R. 10 E., Gila and Salt River Mer., Arizona

CHAINS	<p>Beginning at the point for cor. 1.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T12N R10E S14</p> <p style="text-align: center;">Cor 1 Lot 2 1991</p> <p>from which</p> <p style="padding-left: 40px;">A ponderosa pine, 18 ins. diam., bears N. 8° W., 118 1/2 lks. dist., mkd. COR S14 BT.</p> <p style="padding-left: 40px;">The N. cor. of a concrete cover for a spring box, 6 x 6 ft., bears S. 10° W., 33 1/2 lks. dist., sides bear S. 45° E. and S. 45° W.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>From this cor. point, the 1/4 sec. cor. of secs. 14 and 23, bears S. 9° 16' E., 31.27 chs. dist., monumented with a sandstone, 14 x 11 x 6 ins., firmly set, projecting 6 ins. above ground, mkd. with 1/4 on the W. face, from which original bearing trees</p> <p style="padding-left: 40px;">A oak, 22 ins. diam., bears N. 60° E., 31 lks. dist., with healed blaze. (Record: N. 63° E., 30 lks.)</p> <p style="padding-left: 40px;">A juniper, 40 ins. diam., bears S. 34° W., 48 lks. dist., mkd. 1/4 S23 BT.</p> <p style="padding-left: 40px;">A rebar, 16 ins. long, 1/2 in. diam., projecting 5 ins. above ground, bears N. 45° E., 1 lk. dist.</p> <p>At the cor. point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, to bedrock, encircled with a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T12N R10E S14 1/4 ——— S23 1991</p>
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Metes-and-Bounds Survey of Lot 2, in Partially Surveyed Section 14,  
T. 12 N., R. 10 E., Gila and Salt River Mer., Arizona

CHAINS	<p>from which</p> <p>A ponderosa pine, 14 ins. diam., bears S. 58° E., 55 lks. dist., mkd. 1/4 S23 BT.</p> <p>A ponderosa pine, 9 ins. diam., bears N. 40° W., 45 lks. dist., mkd. 1/4 S14 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Bury the original stone and rebar alongside the stainless steel post.</p> <p>From this same cor. point, U.S. Coast and Geodetic Survey triangulation station, "HUSTON", with published latitude of 34°16'32.784" N. and longitude of 111°18'16.495" W., NAD27, bears S. 11°57' 24" W., 836.935 chs. dist., monumented with a standard brass tablet, 4 ins. diam., set flush in a sandstone outcropping, flush with the ground, with top mkd. HUSTON 1946 and a triangle.</p> <p>Cor. is located 21 lks. W. and on the W. shoulder of a abandoned dirt road, 30 lks. wide, bears SE and NW.</p> <hr/> <p>S. 43°16' W., on line 1-2.</p> <p>2.42 Point for cor. 2.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T12N R10E S14</p> <p style="text-align: center;">Cor 2 Lot 2 1991</p>
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Metes-and-Bounds Survey of Lot 2, in Partially Surveyed Section 14,  
T. 12 N., R. 10 E., Gila and Salt River Mer., Arizona

CHAINS	
	<p>from which</p> <p>A ponderosa pine, 12 ins. diam., bears N. 42 1/4° W., 60 1/2 lks. dist., mkd. COR S14 BT.</p> <p>A rock outcrop, 3 x 2 x 1 ft., bears S. 54° E., 109 1/2 lks. dist., with X BO chiseled on the top face.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 138 lks. E. of a creek, 10 lks. wide, drains SE.</p> <hr/> <p>S. 31°49' E., on line 2-3.</p>
11.30	Creek, 10 lks. wide, drains E.
11.75	Creek 10 lks. wide, drains S.
12.95	Creek, 10 lks. wide, drains SE.
14.67	Point for cor. 3.
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T12N R10E S14 Cor 3 Lot 2 1991</p>
	<p>from which</p> <p>A spruce, 13 ins. diam., bears S. 74° W., 23 lks. dist., mkd. COR S14 BT.</p> <p>A rock outcrop, 3 x 2 x 1 ft., bears N. 4 1/4° E., 100 1/2 lks. dist., with X BO chiseled on the top face.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p>

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Metes-and-Bounds Survey of Lot 2, in Partially Surveyed Section 14,  
T. 12 N., R. 10 E., Gila and Salt River Mer., Arizona

CHAINS	
	<p>Cor. is located 77 lks. E. of a graded gravel road, 38 lks. wide, bears SE and NW., on a curve.</p> <hr/> <p>S. 1°57' E., on line 3-4.</p> <p>5.75 Point for cor. 4.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T12N R10E S14 Cor 4 Lot 2  1991</p> <p>from which</p> <p style="text-align: center;">A ponderosa pine, 13 ins. diam., bears S. 32 1/4° E., 68 1/2 lks. dist., mkd. COR S14 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>From this cor. point, the SW cor. of a wood frame house, 24 1/2 x 16 1/2 ft., bears N. 48 3/4° E., 105 lks. dist., the long side bears N. 8° W.</p> <p>Cor. is located 55 lks. E. of a graded gravel road, 38 lks. wide, bears SSE and NNW.</p> <hr/>
2.63	<p>N. 68°47' E., on line 4-5.</p> <p>Wash, 15 lks. wide, drains SE.</p>

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Metes-and-Bounds Survey of Lot 2, in Partially Surveyed Section 14,  
T. 12 N., R. 10 E., Gila and Salt River Mer., Arizona

<p>CHAINS</p> <p>3.85</p>	<p>Point for cor. 5.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T12N R10E S14 Cor 5 Lot 2  1991</p> <p>from which</p> <p style="padding-left: 40px;">A ponderosa pine, 15 ins. diam., bears S. 40 1/4° E., 30 lks. dist., mkd. COR S14 BT.</p> <p style="padding-left: 40px;">A rock outcrop, 5 x 2 x 1 ft. bears N. 58 1/2° W., 54 lks. dist., with X BO chiseled on the top face.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>Cor. is located 32 lks. E. and 77 lks. S. of a creek 10 lks. wide drains SW and 86 lks. W. of a abandoned dirt road, 15 lks. wide, bears SE and NW.</p>
<p>10.18</p>	<p>N. 0°45' E., on line 5-6.</p> <p>Point for cor. 6.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T12N R10E S14 Cor 6 Lot 2 1991</p>

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Metes-and-Bounds Survey of Lot 2, in Partially Surveyed Section 14,  
T. 12 N., R. 10 E., Gila and Salt River Mer., Arizona

CHAINS	
	<p>from which</p> <p>A ponderosa pine, 16 ins. diam., bears N. 8 1/4° E., 32 1/2 lks. dist., mkd. COR S14 BT.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>From this cor. point, the NE. cor. of the rock and concrete foundation of a wood frame house, 26 1/2 x 23 ft., bears S. 75 1/2° W., 96 lks. dist., the long side bears S. 10° W.</p>
8.84	<p>N. 59°26' W., on line 6-7.</p> <p>Point for cor. 7.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, encircled with a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T12N R10E S14 Cor 7 Lot 2</p> <p style="text-align: center;">1991</p>
4.58	<p>from which</p> <p>A ponderosa pine, 8 ins. diam., bears N. 79 3/4° E., 36 1/2 lks. dist., mkd. COR S14 BT.</p> <p>A sandstone boulder, 2 x 1 1/2 ft., cemented in a rock wall 3 ft. high, bears N. 83 1/2° W., 91 lks. dist., with X BO chiseled on the south face.</p> <p>Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.</p> <p>N. 31°20' W., on line 7-1.</p> <p>Cor. 1, point of beginning.</p>

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T. 12 N., R. 10 E., Gila and Salt River Mer., Arizona

CHAINS	GENERAL DESCRIPTION
	<p>The land encompassed in the survey is located about 21 miles NNE of Payson, Arizona off the Washington Park Trail Road. The terrain varies from rolling hills to mountainous, with the elevation ranging from 6000 to 7000 feet above sea level. The timber consist mostly of pine and spruce. The soil consist of loam and sandstone rock fragments. Access is by way of Arizona State Highway 87 and Houston Mesa road.</p>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Stephen Hansen	Land Surveyor
Rebecca Ramirez	Surveying Technician
Cheryl Baier	Surveying Technician

CERTIFICATE OF SURVEY

I, Gary D. Johnson, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 14th day of January, 1991, I have surveyed a metes-and-bounds survey of Lot 2, in partially surveyed section 14, of Township 12 North, Range 10 East, 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; and that 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, and in specific manner described in the foregoing field notes.

6 June 1991  
(Date)

Gary D. Johnson  
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT  
Arizona State Office  
Phoenix, Arizona

The foregoing field notes of the metes-and-bounds survey of lot 2, in partially surveyed section 14 of Township 12 North, Range 10 East, Gila and Salt River Meridian, Arizona, executed by Gary D. Johnson, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

JUN 07 1991  
(Date)

James P. Kelley  
(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. 12 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)