

ORIGINAL

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

FIELD NOTES

OF THE DEPENDENT RESURVEY OF
HOMESTEAD ENTRY SURVEY No. 234
IN UNSURVEYED SECTION 8
OF PARTIALLY SURVEYED
TOWNSHIP 2 SOUTH, RANGE 31 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.

EXECUTED BY

Craig S. Dukart, Cadastral Surveyor

Under Special Instructions dated September 23, 2014, approved September 23, 2014, which provided for the surveys included under Group No. 1139, and Assignment Instructions dated April 7, 2015.

Survey commenced April 13, 2015

Survey completed April 21, 2015

INDEX DIAGRAM

TOWNSHIP 2 SOUTH RANGE 31 EAST
GILA & SALT RIVER MERIDIAN, ARIZONA

6	5	4	3	2	1
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T. 2 S., R. 31 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of Homestead Entry Survey No. 234 in unsurveyed Section 8, of Partially Surveyed Township 2 South, Range 31 East, Gila and Salt River Meridian, Arizona.

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

Homestead Entry Survey No. 234, was surveyed by C. A. Long, Surveyor - Forest Service, in 1914.

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 23, 2014, for Group Number 1139, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic, fast static, and static global positioning system observations using Trimble Navigation R8 model receivers.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners. Identified corners were remonumented in their original positions. The retracement data were thoroughly verified and only true line field notes are given herein.

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. Unless otherwise indicated, 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 observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) DF5763 AZGB GILA COUNTY CORS ARP, DM4629 AZRV ROUND VALLEY CORS ARP and DK7569 AZSF SAFFORD CORS ARP. The NAD 83 (2011) (EPOCH: 2010), geographic position of the following two corners.

Corner No. 1, H.E.S. No. 234 is as follows:

Latitude: 33°16'06.058" N. Longitude: 109°11'06.764" W.

Corner No. 4, H.E.S. No. 234 is as follows:

Latitude: 33°16'00.893" N. Longitude: 109°10'53.247" W.

The mean magnetic declination is 9 1/2° E.

Dependent Resurvey of
Homestead Entry Survey No. 234, in Unsurveyed Section 8
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CHAINS

Restoring Homestead Entry Survey No. 234
C. A. Long, in 1914

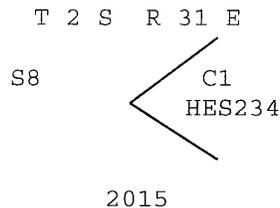
Beginning at Cor. No. 1, H.E.S. No. 234, monumented with a stone, 22 x 17 x 13 ins., projecting 7 ins. above the ground, with no marks visible.

from which the 1914 bearing tree

A black walnut, diam. not measured, bears N. 87°35' W., 68 1/2 lks. dist., scarred and with a partially healed blaze at breast height, and posted with a Forest Service Bearing Tree sign dated 1977. (Record: S. 84°00' W., 74 lks. dist.)

At the cor. point

Set a standard monument, 27 ins. in the ground, underpinned with an alum. rod, 3/4 in. diam., 36 ins. long, 54 ins. in the ground, mkd.



from which a new accessory

A rock in place, 2 x 3 ft., 2 1/2 ft. high, bears N. 59°44' E., 1.535 chs. dist., mkd. X BO, with the X being 1 1/2 ft. above the ground.

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of the cor. The original stone placed at the base of the mound of stone.

NOTE - There was a Sycamore tree in the general location of the SE bearing tree, but there is no physical evidence that this is the original bearing tree.

N. 61°53' E., on line 1-2, H.E.S. No. 234.

6.315

Cor. No. 2, H.E.S. No. 234, monumented with a stone, 22 x 14 x 4 ins., projecting 9 ins. above the ground, with no marks visible, and a mound of stone, 2 ft. base, 1 ft. high, southerly of cor.

from which the 1914 bearing trees

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CHAINS

A piñon pine, 9 ins. diam., bears S. 40°29' E., 1.075 chs. dist., with a healed blaze. (Record: S. 56°08' E., 1.34 chs. dist.)

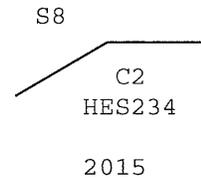
A stump, bears S. 15°59' E., 1.555 chs. dist., with scribe marks 2 HES 3 faintly visible on an open blaze. (Record: S. 23°40' E., 1.58 chs. dist.)

A juniper, 13 ins. diam., bears N. 4°05' W., 1.01 chs. dist., with a healed blaze, and posted with two Forest Service Bearing Tree signs, each with different bearings and distances, dated 1977. (Record: N. 11°22' W.)

At the cor. point

Set a standard monument, 22 ins. in the ground, in a supporting mound of stone, 3 1/2 ft. base, to brass cap mkd.

T 2 S R 31 E



from which a new accessory

A rebar, 5/8 in. diam., 22 ins. long, 17 ins. in the ground, bears S. 33°39' W., 34.5 lks. dist., in a collar of stone.

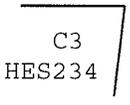
Original stone, and accessory mound of stone, incorporated in supporting mound of stone.

S. 89°29' E., on line 2-3, H.E.S. No. 234.

- 6.15 Dirt road, 12 ft. wide, bears N. 40° E. and S. 60° W.
- 9.13 Wood post at end of a cattle chute, enter corral, bears N. 70° E.
- 10.06 Leave corral, bears S. 40° E. and N. 40° W.
- 14.062 Cor. No. 3, H.E.S. No. 234, monumented with a stone, 23 x 20 x 10 ins., projecting 15 ins. above the ground, with no marks visible, and a mound of stone, 3 1/2 ft. base, 1 ft. high, SW of cor.

from which the 1914 bearing tree

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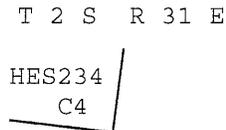
CHAINS	
	<p>A dead and downed tree, 9 ins. diam., is located in the approximate record area, with scribe marks 3 H S234 BT visible on a partially healed blaze. No way to determine tree's original position.</p> <p>At the cor. point</p> <p>Set a standard monument, 12 ins. in the ground, 4 ins. in bedrock, in a supporting mound of stone, 4 1/2 ft. base, to brass cap mkd.</p> <div style="text-align: center;"> <p>T 2 S R 31 E</p> <p>S8</p>  <p>2015</p> </div> <p>from which a new accessory</p> <p>A rock outcrop, 4 x 4 ft., 1 1/2 ft. high, bears N. 54°58' E., 42.5 lks. dist., marked with a railroad spike driven into a crack.</p> <p>Original stone, and accessory mound of stone, incorporated in supporting mound of stone.</p> <hr/> <p>S. 11°45' W., on line 3-4, H.E.S. No. 234.</p> <p>4.35 Johnson creek, dry at this time, 15 lks. wide, drains S. 60° W.</p> <p>4.60 Fence, barbed wire, bears S. 29° E. and N. 29° W.</p> <p>6.25 Fence, barbed wire, bears N. 40° E. and S. 40° W.</p> <p>10.992 Cor. No. 4, H.E.S. No. 234, monumented with a stone, 28 x 17 x 13 ins., projecting 20 ins. above the ground, with chisel mark 4 visible, and a mound of stone, 3 ft. base, 1 ft. high, NW of cor.</p> <p>from which the 1914 bearing trees</p> <p>A juniper, 18 ins. diam., bears N. 49°01' E., 39 lks. dist., with scribe marks 4 HES234 BT visible on a partially healed blaze. (Record: N. 39°18' E.)</p> <p>A juniper, 13 ins. diam., bears N. 15°10' W., 70 lks. dist., with scribe marks 4 HES234 BT visible on a partially healed blaze. (Record: N. 23°00' W., 71 lks. dist.)</p>

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CHAINS

At the cor. point

Set a standard monument, 18 ins. in the ground, to bedrock, in a supporting mound of stone, 3 1/2 ft. base, to brass cap mkd.



S8

2015

from which a new bearing tree

A pine, 8 ins. diam., bears S. 16°48' E., 1.14 chs. dist., marked X BT.

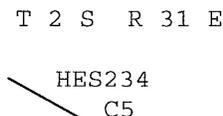
Original stone, and accessory mound of stone, incorporated in supporting mound of stone.

N. 74°04' W., on line 4-5, H.E.S. No. 234.

13.75 Johnson creek, flowing with water from a spring, 15 lks. wide, drains S. 75° W.

14.209 Point for cor. No. 5, H.E.S. 234, determined at grant boundary position, falls on top of a loose gravel creek bank, there is no remaining reliable evidence of the original cor.

Drive an alum. rod, 3/4 in. diam., 36 ins. long, 30 ins. in the ground, with alum. cap mkd.



S8

2015

from which

A standard monument, 22 ins. in the ground, in a mound of stone, 3 ft. base, to brass cap, for a reference monument, bears N. 54°48' E., 32.9 ft. dist., with brass cap mkd. RM T2S R31E 32.9 FT. TO C5 2015 with an arrow pointing to the cor. Deposit a magnet in a pink plastic case at the base of the stainless steel post.

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A standard monument, 24 ins. in the ground, in a collar of stone, for a reference monument bears N. 35°33' W., 21.3 ft. dist., with brass cap mkd. RM T2S R31E 21.3 FT. TO C5 S8 2015 with an arrow pointing to the cor. Deposit a magnet in a white plastic case at the base of the stainless steel post.

Deposit a magnet in a white plastic case alongside the alum. rod.

NOTE - There were three trees that came as close to matching record bearing and distance as the found trees at previous corners. The NE bearing tree was of a species other than record and was growing almost horizontally over the creek, so as to make it impracticable to determine the center of its root crown in 1914. It had what could potentially have been a healed blaze. The SE tree matched record bearing and distance, but was located precariously at the top of a steep drop off into the creek so it was not possible to locate any physical evidence of it being blazed or scribed. The SW tree also came close to matching record, but showed no indication of having been blazed or scribed. These trees were not used to determine the position of the cor., but indicate that the grant boundary position is a faithful representation of the original position.

N. 42°55' W., on line 5-1, H.E.S. No. 234.

- 1.00 Johnson creek, flowing with water from a spring, 15 lks. wide, drains N. 20° W.
- 4.95 Johnson creek, flowing with water from a spring, 15 lks. wide, drains S. 85° W.
- 5.479 Cor. No. 1, and point of beginning.

GENERAL DESCRIPTION

This survey is located approximately 16 miles northeasterly of Clifton, but access requires driving approximately 30 miles northerly on Highway 191, and approximately 25 miles on Juan Miller road, a maintained dirt road, taking approximately two hours.

Johnson Creek runs through the middle of this property, draining in a westerly direction. The creek is fed by a spring that is located on the Homestead Entry Survey.

The elevation varies from 4,400 to 4,580 feet above sea level.

The mean magnetic declination of 9 1/2° E. was derived from the National Geophysical Data Center's magnetic declination calculator, for the dates of the survey.

CERTIFICATE OF SURVEY

I, Craig S. Dukart, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 23rd day of September, 2015, I have dependently resurveyed Homestead Entry Survey No. 234 in unsurveyed Section 8, of Partially Surveyed T. 2 S., R. 31 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 specific manner described in the foregoing field notes.

JUNE 01, 2015
(Date)

Craig S. Dukart
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of Homestead Entry Survey No. 234 in unsurveyed Section 8, of Partially Surveyed T. 2 S., R. 31 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.

6/17/2015
(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. 2 S., R. 31 E., of the Gila and Salt River Meridian, in the State of Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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