

ORIGINAL

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY
OF
HES 504

**UNSURVEYED TOWNSHIP 4 NORTH, RANGE 30 EAST,
OF THE GILA AND SALT RIVER MERIDIAN,
IN THE STATE OF ARIZONA.**

EXECUTED BY

Christopher P. McDonald, Cadastral Surveyor

Under Special Instructions dated August 24, 2012, approved August 24, 2012, which provided for the surveys included under Group No. 1108, and assignment instructions dated August 24, 2012.

Survey commenced September 5, 2012

Survey completed September 12, 2012

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UNSURVEYED TOWNSHIP 4 NORTH RANGE 30 EAST
GILA AND SALT RIVER MERIDIAN, ARIZONA

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Dependent resurvey of HES 504Pages 4-7

Unsurveyed T. 4 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of HES 504, Township 4 North, Range 30 East, Gila and Salt River Meridian, Arizona.

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

In 1916, R. P. A. Johnson surveyed the exterior boundaries of HES 504.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions for the Survey of the Public Lands of the United States, 2009, and the Special Instructions dated August 24, 2012, for Group Number 1108, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation R8 and 5700 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) AZGB Gila County CORS, P015 DUECECLUBSAZ2005 CORS, and AZSF Safford CORS. The NAD 83 (CORS96) (EPOCH: 2002), geographic position of the following two corners.

The geographic position of Corner No. 1, HES 504, Unsurveyed Township 4 North, Range 30 East, is as follows:

Latitude: 33°43'04.74" N. Longitude: 109°16'42.80" W.

The geographic position of Corner No. 3, HES 504, Unsurveyed Township 4 North, Range 30 East, is as follows:

Latitude: 33°43'33.72" N. Longitude: 109°16'55.02" W.

The mean magnetic declination is 10° E.

**Dependent Resurvey of HES 504,
T. 4 N., R. 30 E., Gila and Salt River Meridian, Arizona**

CHAINS

Restoring the survey executed by
R. P. A. Johnson, in 1916

Beginning at Cor. No. 1, HES 504, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, encircled in a scattered collar of stone, with brass cap, mkd. USDAFS T4N R30E HES 504 COR 1 LS6713 1967, perpetuated by Gordon H. Long, LS 6713, as per information on file in the office of the Forest Land Surveyor, Apache-Sitgreaves National Forest, Springerville, Arizona. This is accepted as a careful and faithful perpetuation of the orig. cor.

from which the remaining original bearing tree

A ponderosa pine, 30 ins. diam., bears N. 69° W., 154 lks. dist., with a healed blaze, tree burned at base.
(Record: N. 69°50' W.)

from which the 1967 bearing tree

A spruce, 17 ins. diam., bears S. 50° W., 57 1/2 lks. dist., with a healed blaze.

from which a new bearing tree

A spruce, 12 ins. diam., bears N. 81° W., 39 1/2 lks. dist., mkd. X BT.

Add the marks 2012 to the brass cap.

Reconstruct collar of stone, 3 ft. base, to top, utilizing the scattered collar of stone.

A steel fence post, with F.S. signs No.s 54-2 and 54-9 attached, is set alongside the cor.

N. 54°44' W., line 1-2, HES 504.

Over rolling to broken terrain.

39.32

Cor. No. 2, HES 504, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above ground, encircled in a scattered collar of stone, with brass cap mkd. USDAFS T4N R30E COR 2 HES 504 LS6713 1967, perpetuated by Gordon H. Long, LS 6713, as per information on file in the office of the Forest Land Surveyor, Apache-Sitgreaves National Forest, Springerville, Arizona. This is accepted as a careful and faithful perpetuation of the orig. cor.

from which the 1967 bearing trees

A ponderosa pine, 12 ins. diam., bears S. 85° W., 26 lks. dist., with a healed blaze.

**Dependent Resurvey of HES 504,
T. 4 N., R. 30 E., Gila and Salt River Meridian, Arizona**

CHAINS

from which a new bearing tree

A ponderosa pine, 14 ins. diam., bears S. 32° W., 35 lks. dist., mkd. X BT.

Add the marks 2012 to the brass cap.

Reconstruct collar of stone, 2 ft. base, to top, utilizing the scattered collar of stone.

A steel fence post, with F.S. signs No.s 54-2 and 54-9 attached, is set alongside the cor.

N. 37°09' E., on line 2-3, HES 504.

Over rolling to broken terrain.

27.24

Cor. No. 3, HES 504, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 15 ins. above ground, encircled in a scattered collar of stone, with brass cap mkd. USDAFS T4N R30E 3 COR HES 504 LS6713 1967, perpetuated by Gordon H. Long, LS 6713, as per information on file in the office of the Forest Land Surveyor, Apache-Sitgreaves National Forest, Springerville, Arizona. This is accepted as a careful and faithful perpetuation of the orig. cor.

from which the original bearing trees

A ponderosa pine, 25 ins. diam., bears S. 39°24' E., 55 lks. dist., with scribe marks 3 HES 504 X BT visible on partially open blaze (tree leaning quite a bit).

A ponderosa pine, 13 ins. diam., bears S. 55° W., 26.5 lks. dist., with scribe marks 3 HES 504 X BT visible on partially open blaze. (Record: S. 55°40' W., 64 lks. dist.)

from which new bearing tree

A ponderosa pine, 13 ins. diam., bears N. 15° E., 21.5 lks. dist., mkd. X BT.

Add the marks 2012 to the brass cap.

Reconstruct collar of stone, 2 1/2 ft. base, to top, utilizing the scattered collar of stone.

A steel fence post, with F.S. signs No.s 54-2 and 54-9 attached, set alongside the cor.

S. 0°33' W., on line 3-4, HES 504.

**Dependent Resurvey of HES 504,
T. 4 N., R. 30 E., Gila and Salt River Meridian, Arizona**

CHAINS	
20.01	<p>Over rolling to broken terrain.</p> <p>Cor. No. 4, HES 504, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above the ground, encircled in a scattered collar of stone, with brass cap, mkd. USDAFS T4N R30E COR 4 HES 504 LS6713 1967, perpetuated by Gordon H. Long, LS 6713, as per information on file in the office of the Forest Land Surveyor, Apache-Sitgreaves National Forest, Springerville, Arizona. This is accepted as a careful and faithful perpetuation of the orig. cor.</p> <p>from which the 1967 bearing trees</p> <p style="padding-left: 40px;">A ponderosa pine, 15 ins. diam., bears N. 56° E., 22 lks. dist., with a healed blaze.</p> <p style="padding-left: 40px;">A ponderosa pine, 11 ins. diam., bears S. 87° E., 19 lks. dist., with a healed blaze.</p> <p>Add the marks 2012 to the brass cap.</p> <p>Reconstruct collar of stone, 2 1/2 ft. base, to top, utilizing the scattered collar of stone.</p> <p>A steel fence post, with F.S. signs No.s 54-2 and 54-9 attached, set alongside the cor.</p> <hr style="width: 20%; margin: 20px auto;"/> <p>S. 49°52' E., on line 4-5, HES 504.</p> <p>Over rolling to broken terrain.</p>
20.86	<p>Cor. No. 5, HES 504, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above the ground, encircled in a scattered collar of stone,, with brass cap, mkd. USDAFS COR 5 HES 504 T4N R30E LS6713 1967, perpetuated by Gordon H. Long, LS 6713, as per information on file in the office of the Forest Land Surveyor, Apache-Sitgreaves National Forest, Springerville, Arizona. This is accepted as a careful and faithful perpetuation of the orig. cor.</p> <p>from which the 1967 bearing trees</p> <p style="padding-left: 40px;">A ponderosa pine, 12 ins. diam., bears N. 34° E., 32 lks. dist., with a healed blaze (burnt at base of tree).</p> <p style="padding-left: 40px;">A ponderosa pine, 14 ins. diam., bears S. 78° E., 33 lks. dist., with a healed blaze.</p> <p>from which a new bearing tree:</p> <p style="padding-left: 40px;">A ponderosa pine, 8 ins. diam., bears N. 47° E., 16 lks. dist., mkd. X BT.</p>

**Dependent Resurvey of HES 504,
T. 4 N., R. 30 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>Add the marks 2012 to the brass cap.</p> <p>Reconstructed collar of stone, 2 1/2 ft. base, to top, utilizing the scattered collar of stone.</p> <p>A steel fence post, with F.S. signs No.s 54-2 and 54-9 attached, set alongside the cor.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 00°34' W., on line 1-5 HES 504.</p> <p>Over rolling to broken terrain.</p>
10.96	<p>Cor. 1, HES 504 and the point of beginning.</p> <hr style="width: 80%; margin: 10px auto;"/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr style="width: 80%; margin: 10px auto;"/> <p>The land encompassed in this survey is known as Beaver Creek Guest Ranch, is located approximately 12 miles southwest of Alpine, Arizona. The elevation is approximately 7,600 ft. above sea level.</p> <p>The terrain consists of bottom land with Beaver Creek draining southerly and steep to broken land on the north and south lines.</p> <p>Access is by way of U.S. Forest Service Roads 26.</p> <p>The mean magnetic declination of 10° E. was derived from National Oceanic and Atmospheric Administration website.</p> <hr style="width: 80%; margin: 10px auto;"/>

CERTIFICATE OF SURVEY

I, Christopher P. McDonald, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 24th day of August, 2012, I have dependently resurveyed HES 504, unsurveyed T. 4 N., R. 30 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 for the Survey of the Public Lands of the United States, 2009, and in specific manner described in the foregoing field notes.

March 12 / 2013
(Date)

Christopher P. McDonald
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of HES 504, unsurveyed T. 4 N., R. 30 E., of the Gila and Salt River Meridian, in the State of Arizona, executed by Christopher P. McDonald, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

2/19/2013
(Date)

Stephen K. Hansen
(Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY That the foregoing transcript of the field notes of the above described surveys in unsurveyed T. 4 N., R. 30 E., of the Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

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

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