

ORIGINAL

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

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF

H.E.S. No. 595

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

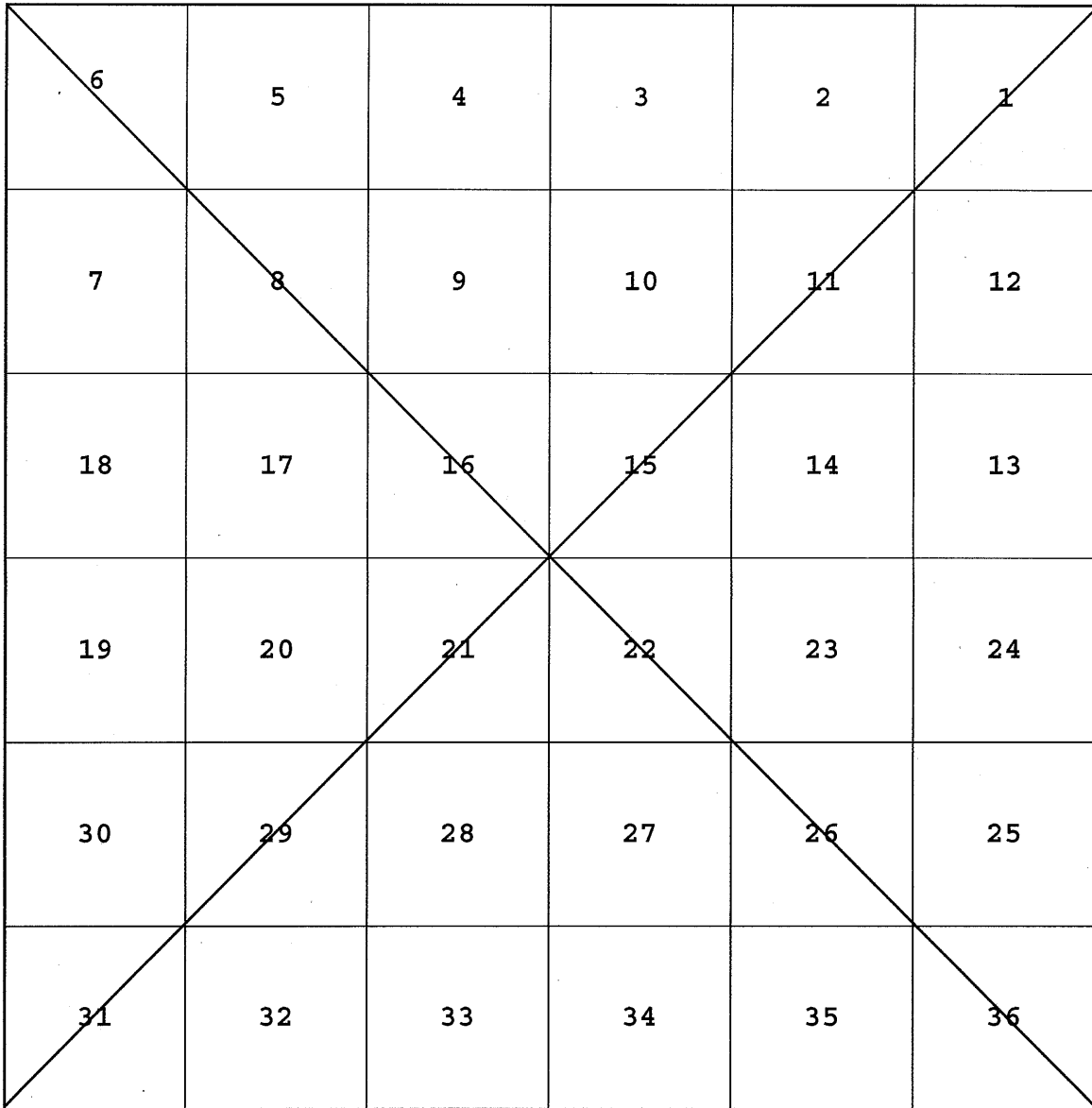
Under Special Instructions dated August 24, 2012, approved August 24, 2012, which provided for the surveys included under Group No. 1108, and assignment instructions dated August 24, 2012.

Survey commenced October 27, 2013

Survey completed October 31, 2013

INDEX DIAGRAM

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



Dependent Resurvey of H.E.S. No. 595Pages 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 H.E.S. No. 595, Unsurveyed Township 4 North, Range 30 East, Gila and Salt River Meridian, Arizona.

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

Thomas F. Myers surveyed the exterior boundaries of H.E.S. No. 595, in 1921.

Gordon H. Long, Arizona Registered Land Surveyor, LS No. 6713, retraced and remonumented the boundaries of H.E.S. No. 595, in 1968.

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 (2011) (EPOCH: 2010.0000), geographic position of Corner No. 1, H.E.S. No. 595, Unsurveyed Township 4 North, Range 30 East, is as follows:

Latitude: 33°41'42.394" N. Longitude: 109°12'39.341" W.

The geographic position of Corner No. 3, H.E.S. 595, Unsurveyed Township 4 North, Range 30 East, is as follows:

Latitude: 33°41'52.348" N. Longitude: 109°13'27.205" W.

The mean magnetic declination is 10° E.

Dependent Resurvey of H.E.S. No. 595,
Unsurveyed T. 4 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS

Restoring the survey executed by
Thomas F. Myers, in 1921

Beginning at Cor. No. 1, H.E.S. No. 595, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above the ground, encircled in a scattered collar of stone, with brass cap, mkd. USDAFS T4N R30E H.E.S. 595 COR 1 LS6713 1967, perpetuated by Gordon H. Long LS 6713, as per plat 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 original cor.

from which the remaining original bearing tree

A pine stump, 40 ins. diam., bears N. 53°45' E., 66 lks. dist., with no markings. (Record: N. 52°30' E.)

from which the remaining 1967 bearing tree

A pine stump, 15 ins. diam., bears S. 38°45' W., 21 lks. dist., with a healed blaze. (Record: S. 37° W.)

from which new bearing trees

A pine, 14 ins. diam., bears S. 80° W., 76 lks. dist., mkd. COR 1 H.E.S. 595 BT.

A pine, 14 ins. diam., bears N. 20° W., 24 lks. dist., mkd. COR 1 H.E.S. 595 BT.

from which

U.S.L.M. 594 H.E.S., an embedded malpais boulder showing 55 X 46 X 22 ins. above ground, with a chiseled + on top and U.S.L.M. 594 on the N.E. face, with a mound of stone 9 ft., 7 ft. high, NE of U.S.L.M., bears S. 78°39' W., 30.66 chs. dist. (Record: S. 78°47'45" W., 30.78 chs. dist.)

Add the marks 2013 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 Nos. 54-2 and 54-9 attached, is set alongside the cor.

N. 84°05' W., along line 1-2 H.E.S. 595.

Over rolling terrain.

**Dependent Resurvey of H.E.S. No. 595,
Unsurveyed T. 4 N., R. 30 E., Gila and Salt River Meridian, Arizona**

CHAINS	
63.64	<p>Cor. No. 2, H.E.S. No. 595, 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 H.E.S. 595 LS6713 1967, perpetuated by Gordon H. Long LS 6713, as per plat 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 original cor.</p> <p>from which the remaining original 1921 bearing trees</p> <p style="padding-left: 40px;">A stump hole, bears S. 23° W., 205 lks. dist., with a healed blaze.</p> <p style="padding-left: 40px;">A pine, 27 ins. diam., bears S. 88° W., 179 lks. dist., with a healed blaze.</p> <p>from which a new bearing tree.</p> <p style="padding-left: 40px;">A ponderosa pine, 15 ins. diam., bears S. 14° E., 186 lks. dist., mkd. COR 2 H.E.S. 595 BT.</p> <p>Add the marks 2013 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 Nos. 54-2 and 54-9 attached, is set alongside the cor.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 12°58' E., along line 2-3 H.E.S. 595.</p> <p>Over rolling to broken terrain.</p>
8.92	<p>Cor. No. 3, H.E.S. No. 595, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, encircled in a scattered collar of stone, with brass cap mkd. USDAFS T4N R30E COR 3 H.E.S. 595 LS6713 1967, perpetuated by Gordon H. Long LS 6713, as per plat 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 original cor.</p> <p>from which the remaining original 1921 bearing tree</p> <p style="padding-left: 40px;">A ponderosa pine, 31 ins. diam., bears S. 87°27' E., 87 lks. dist., with healed blaze.</p>

Dependent Resurvey of H.E.S. No. 595,
Unsurveyed T. 4 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>from which new bearing trees</p> <p style="padding-left: 40px;">A ponderosa pine, 13 ins. diam., bears N. 5°23' E., 35 lks. dist., mkd. X BT.</p> <p style="padding-left: 40px;">A ponderosa pine, 9 ins. diam., bears N. 78°27' E., 10 lks. dist., mkd. X BT.</p> <p>Add the marks 2013 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 Nos. 54-2 and 54-9 attached, set alongside the cor.</p> <hr style="width: 20%; margin: 20px auto;"/> <p>N. 69°46' E., on line 3-4 H.E.S. 595.</p> <p>Over rolling to broken terrain.</p>
39.08	<p>Cor. No. 4, H.E.S. No. 595, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above the ground, encircled in a scattered collar of stone, with brass cap, mkd. USDAFS T4N R30E COR 4 H.E.S. 595 LS6713 1967, perpetuated by Gordon H. Long LS 6713, as per plat 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 original cor.</p> <p>from which the remaining original 1921 bearing trees</p> <p style="padding-left: 40px;">A ponderosa pine, 17 ins. diam., bears S. 68° E., 23 lks. dist., with a healed blaze. (Record: S. 66°06' E., 21 lks. dist.)</p> <p style="padding-left: 40px;">A ponderosa pine, 25 ins. diam., bears S. 2°33' E., 21 lks. dist., with a healed blaze. (Record: S. 0° 37' E., 25 lks. dist.)</p> <p>Add the marks 2013 to the brass cap.</p> <p>Excavate alongside the iron post to verify the original stone is alongside due to both bearing trees not matching record. Rebury original stone alongside the iron post.</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 Nos. 54-2 and 54-9 attached, set alongside the cor.</p> <hr style="width: 20%; margin: 20px auto;"/> <p>S. 40°34' W., on line 1-4 H.E.S. No. 595.</p>

Dependent Resurvey of H.E.S. No. 595,
Unsurveyed T. 4 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	Over rolling to broken terrain.
37.87	Cor. 1, H.E.S. No. 595, hereinbefore described.
GENERAL DESCRIPTION	
<p>The land encompassed in this survey is known as head of Beaver Creek, is located approximately 12 miles southwest of Alpine, Arizona. The elevation is approximately 8,000 ft. above sea level.</p>	
<p>The terrain consists of bottom land with Beaver Creek draining through it.</p>	
<p>Access is by way of U.S. Forest Service Road 26 from U.S. Highway 191.</p>	
<p>The mean magnetic declination of 10° E. was derived from the National Oceanic and Atmospheric Administration, National Geophysical Data Center, magnetic field calculator, utilizing the International Geomagnetic Reference Field model for the dates of survey.</p>	

CERTIFICATE OF SURVEY

I, Christopher P. McDonald, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the August 24th, 2012 day of August, 2012, I have dependently resurveyed H.E.S. No. 595, Unsurveyed T. 4 N., R. 30 W., 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.

06/24/2014

Date

Christopher P. McDonald
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the Dependent Resurvey of H.E.S. No. 595, Unsurveyed T. 4 N., R. 30 W., 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.

7/28/2014

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 Unsurveyed T. 4 N., R. 30 W., of the Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____~~
Date

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