

ORIGINAL

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

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF

H.E.S. No. 597

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**

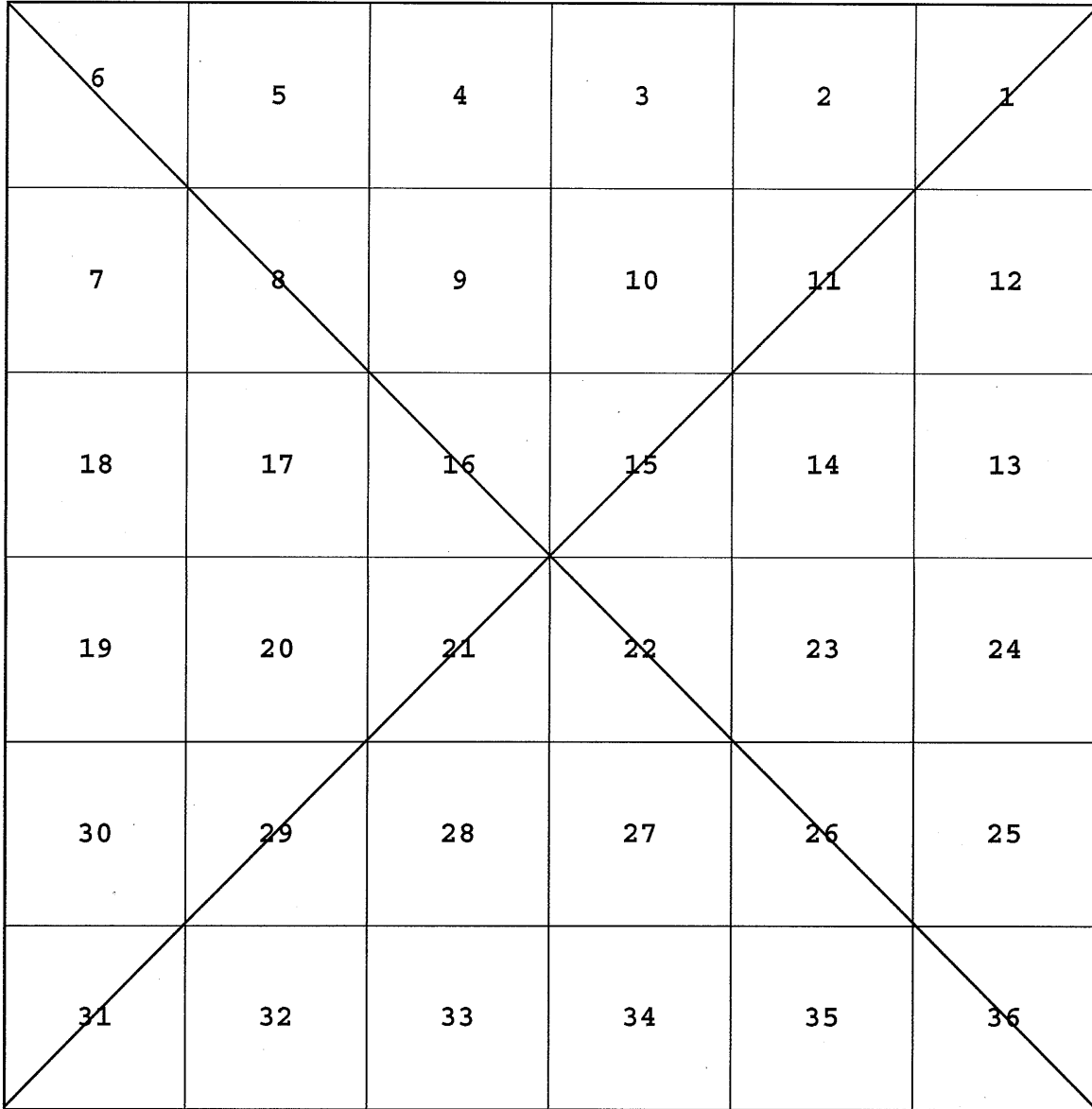
Under Special Instructions dated August 24, 2012, approved August 24, 2012, which provided for the surveys included under Group No. 1108, and assignment instructions dated August 24, 2012.

**Survey commenced September 12, 2012**

**Survey completed October 24, 2013**

### INDEX DIAGRAM

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



Dependent Resurvey of H.E.S. No. 597 .....Pages 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. 597, Unsurveyed Township 4 North, Range 30 East, Gila and Salt River Meridian, Arizona.

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

In 1919, Thomas F. Myers surveyed the exterior boundaries of H.E.S. No. 597.

In 1968, Gordon H. Long, Arizona Registered Land Surveyor LS No. 6713, retraced and remonumented the boundaries of H.E.S. No. 597.

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, AZRV Round Valley CORS, and AZSV Star Valley CORS. The NAD 83 (2011) (EPOCH: 2010.0000), geographic position of Corner 2, H.E.S. No. 597, Unsurveyed Township 4 North, Range 30 East, is as follows:

Latitude: 33°41'10.941" N.                      Longitude: 109°13'22.952" W.

The NAD 83 (2011) (EPOCH: 2010.0000) geographic position of Corner 5, H.E.S. No. 597, Unsurveyed Township 4 North, Range 30 East, is as follows:

Latitude: 33°41'20.549" N.                      Longitude: 109°14'04.750" W.

The mean magnetic declination is 10° E.

---

Dependent Resurvey of H.E.S. No. 597,  
Unsurveyed T. 4 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Restoring the survey executed by Thomas F. Myers, in 1919</p> <hr/>
	<p>Beginning at Cor. 1, H.E.S. No. 597, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above the ground, encircled in a scattered mound of stone, with brass cap, mkd. USDAFS T4N R30E 1 H.E.S. 597 LS6713 1967, remonumented 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 orig. cor. position.</p>
	<p>from which the original bearing trees</p>
	<p>A pine, 18 ins. diam., bears N. 12° W., 24 lks. dist., with a burnt out blaze. (Record: N. 10° W., 25 lks.)</p>
	<p>from which the 1967 bearing tree</p>
	<p>A pine, 15 ins. diam., bears S. 55° E., 65 lks. dist., with a healed blaze. (Record: S. 56° E., 66 lks.)</p>
	<p>Add the marks 2012 to the brass cap.</p>
	<p>Rebuild collar of stone, 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>
	<p>S. 8°46' E., along line 1-2, H.E.S. No. 597.</p>
	<p>Over flat terrain.</p>
14.20	<p>A rebar, 1/2 in. diam., firmly set projecting 6 ins. above ground, with aluminum cap mkd. L K WHITMER LS 13574, bears S. 81° W., 1 lk. dist.</p>
14.21	<p>A concrete post, 6 ins. by 6 ins. square, firmly set projecting 5 ins. above ground, with a tack in the top, bears S. 81° W., 3 lks. dist. Corner is located in the Northerly Right-of-Way fence of U.S. Highway 191, fence curves northeasterly and southwesterly.</p>
16.11	<p>Cor. 2, H.E.S. No. 597, monumented with an iron post, 2 1/2 ins. diam., firmly set, recessed 12 ins. below ground, with brass cap mkd. USDAFS T4N R30E H.E.S. 597 COR 2 LS 6713 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 orig. cor. position.</p>
	<p>from which the 1921 bearing tree</p>

Dependent Resurvey of H.E.S. No. 597,  
 Unsurveyed T. 4 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>A ponderosa pine, 27 ins. diam., bears S. 49° E., 1.03 lks. dist., with a burnt out blaze.</p> <p>from which the 1967 bearing tree</p> <p>A ponderosa pine, 20 ins. diam., bears S. 1° W., 94 lks. dist., with a healed blaze. (Record: S. 2 1/2° E.)</p> <p>from which</p> <p>A rebar, 1/2 in. diam., firmly set projecting 6 ins. above ground, with aluminum cap mkd. L K WHITMER LS 13574, bears S. 85° 29' W., 6.51 chs. dist.</p> <p>A rebar, 5/8 in. diam., firmly set projecting 6 ins. above ground, with no marks, bears S. 85° 27' W., 6.53 chs. dist.</p> <p>Add the marks 2013 to the brass cap.</p> <p>A steel fence post, with F.S. signs Nos. 54-2 and 54-9 attached, is set alongside the cor.</p> <hr/> <p>S. 79°43' W., along line 2-3, H.E.S. No. 597.</p> <p>Over rolling terrain.</p>
13.30	<p>A concrete post, 6 ins. by 6 ins. square, firmly set projecting 7 ins. above ground, with a tack in the top. Corner is located in the northerly Right-of-Way fence of U.S. Highway 191, fence curves northeasterly and southwesterly.</p>
50.06	<p>Cor. 3, H.E.S. No. 597, monumented with an iron pipe, 2 1/2 ins. diam., firmly set, flush with the ground, with brass cap mkd. USDAFS H.E.S. 597 COR 3 T4N R30E 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 orig. cor. position.</p> <p>from which the original bearing tree</p> <p>A ponderosa pine stump, 36 ins. diam., bears S. 66° 46' E., 85 lks. dist., with no visible marks.</p> <p>A ponderosa pine, 31 ins. diam., bears S. 12° 13' W., 52 lks. dist., with burnt out blaze.</p> <p>from which 1967 bearing tree</p> <p>A ponderosa pine, 15 ins. diam., bears S. 88° 30' W., 65 lks. dist., with a healed blaze.</p>

Dependent Resurvey of H.E.S. No. 597,  
Unsurveyed T. 4 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	<p>Add the marks 2012 to the brass cap.</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: 10px auto;"/> <p>N. 44°20' W., on line 3-4, H.E.S. No. 597.</p> <p>Over rolling terrain.</p>
14.58	<p>Cor. 4, H.E.S. No. 597, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above the ground, encircled in a scattered mound of stone, with brass cap, mkd. USDAFS H.E.S. 597 COR 4 T4N R30E 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 orig. cor. position.</p> <p>from which the original bearing trees</p> <p style="padding-left: 40px;">A stump hole, bears N. 49° 54' E., 26 lks. dist.</p> <p style="padding-left: 40px;">A stump hole, bears S. 45° 28' E., 29 lks. dist.</p> <p>from which the 1967 bearing trees</p> <p style="padding-left: 40px;">A ponderosa pine, 10 ins. diam., bears S. 43° 30' W., 17 lks. dist., with a healed blaze.</p> <p style="padding-left: 40px;">A ponderosa pine, 13 ins. diam., bears N. 45° 30' W., 9 lks. dist., with a healed blaze.</p> <p>Add the marks 2012 to the brass cap.</p> <p>Rebuild mound of stone, 2 ft. base, to top, utilizing the scattered mound 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: 10px auto;"/> <p>N. 24°05' E., along line 4-5, H.E.S. No. 597.</p> <p>Over rolling terrain.</p>

Dependent Resurvey of H.E.S. No. 597,  
Unsurveyed T. 4 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS	
14.49	<p>Cor. 5, H.E.S. No. 597, monumented with an iron pipe, 2 1/2 ins. diam., firmly set, projecting 14 ins. above the ground, encircled in a scattered mound of stone, with brass cap, mkd. USDAFS T4N R30E COR 5 H.E.S. 597 5LS6713 1968, 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 orig. cor. position.</p> <p>from which the 1921 bearing tree</p> <p style="padding-left: 40px;">A stump hole, bears N. 44° 51' W., 80 lks. dist.</p> <p>from which the 1967 bearing tree</p> <p style="padding-left: 40px;">A ponderosa pine, 13 ins. diam., bears N. 87° 30' W., 38 lks. dist., with a healed blaze.</p> <p>from which new bearing tree</p> <p style="padding-left: 40px;">A ponderosa pine, 15 ins. diam., bears N. 10° W., 53 lks. dist., mkd. X BT.</p> <p>Add the marks 2012 to the brass cap.</p> <p>Reconstruct mound of stone, 2 1/2 ft. base, to top, utilizing the scattered mound 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: 10px auto;"/> <p>N. 88°39' E., on line 1-5, H.E.S. No. 597.</p> <p>Over rolling to broken terrain.</p>
44.545	<p>A rebar, 1/2 in. diam., firmly set projecting 4 ins. above ground, with aluminum cap mkd. L K WHITMER LS 13574, bears S. 81° W., 1 lk. dist.</p>
44.55	<p>A rebar, 5/8 in. diam., firmly set projecting 6 ins. above ground, with aluminum cap mkd. Troy Baldwin Show Low LS 7334.</p>
51.10	<p>Cor. 1, H.E.S. No. 597 and the point of beginning.</p> <hr style="width: 60%; margin: 10px auto;"/>

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

CHAINS

## GENERAL DESCRIPTION

---

The land encompassed in this survey is known as Josh Ranch. Located approximately 12 miles southwest of Alpine, Arizona. The elevation is approximately 8,000 ft. above sea level.

The terrain consists of a large meadow.

Access is by way of U.S. Highway 191.

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.

---





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. 597, 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.

06/21/2011  
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. 597, 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)~~