ORIGINAL

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY OF

TOWNSHIP 14 NORTH, RANGE 10 EAST,

AND

DEPENDENT RESURVEY OF HOMESTEAD ENTRY SURVEY No. 178

TOWNSHIPS 13 AND 14 NORTH, RANGE 10 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

EXECUTED BY

Blas J. Urena, Cadastral Surveyor

Under Special Instructions dated November 4, 2013, approved November 4, 2013, which provided for the surveys included under Group No. 1123, and assignment instructions dated April 3, 2014.

Survey commenced March 23, 2015

Survey completed April 21, 2015

INDEX DIAGRAM

TOWNSHIPS 13 AND 14 NORTH RANGE 10 EAST GILA AND SALT RIVER MERIDIAN, ARIZONA

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Tps. 13 & 14 N., R. 10 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the south boundary of Township 14 North, Range 10 East, and the dependent resurvey of Homestead Entry Survey No. 178, Townships 13 and 14 North, Range 10 East, Gila and Salt River Meridian, Arizona.

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

Theodore F. White surveyed the exterior lines and the subdivisional lines, of Township 14 North, Range 10 East, in 1881. Walter G. Turley, U. S. Forest Service Surveyor, surveyed Homestead Entry Survey Nos. 88 and 178, in 1916. Chas. W. Devendorf and Benjamin J. Mollette resurveyed the south boundary of Township 14 North, Range 10 East and surveyed the subdivisional lines of Township 13 North, Range 10 East, in 1935.

The survey was executed in accordance with the specifications as set forth in the <u>Manual of Instructions for the Survey of the Public Lands of the United States, 2009</u>, and the Special Instructions dated November 4, 2013 for Group Number 1123, Arizona.

The true meridian direction and length of all lines were determined by static and real time kinematic Global Navigation Satellite System observations using Trimble Navigation R8-3 model receivers and by terrestrial observations using a Trimble Navigation S6 model 3" total station.

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.

The survey was needed for the purpose of locating and identifying property boundaries between portions of the Coconino National Forest (CNF) System and other ownership lands necessary for the implementation of the Four Forest Restoration Initiative. Steel fence posts, with attached USFS sign # 54-2, were set on the forest boundary at intervals of 4 chains +/-.

The "USFS signs # 54-2" referred to in these notes are marked "PROPERTY BOUNDARY National Forest land behind this sign". The "USFS signs # 54-4" are marked "ATTENTION To willfully destroy, deface, change, or remove any Government Survey Corner or Monument, or to willfully cut down any Witness Tree or Blazed Tree marking the line of a Government Survey, is punishable by a Fine of \$250.00 or Six Months Imprisonment or both". The "USFS signs # 54-9" are marked "LAND SURVEY MONUMENT Please do not disturb".

Tps. 13 & 14 N., R. 10 E., Gila and Salt River Meridian, Arizona

CHAINS

Geodetic control was derived from Global Navigation Satellite System (GNSS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations DL1882 AZFL NAU FLAGSTAFF CORS, DL6010 AZSV STAR VALLEY CORS, DL1898 AZPS PRESCOTT CORS. The NAD 83 (CORS2011) (EPOCH: 2010.0000), geographic position of corner No. 2, Homestead Entry Survey No. 178, is as follows:

Latitude: 34°32'45.178" N. Longitude: 111°19'11.198" W.

The NAD 83 (CORS2011) (EPOCH: 2010.0000), geographic position of corner No. 7, Homestead Entry Survey No. 178, is as follows:

Latitude: 34°33'16.372" N. Longitude: 111°18'42.636" W.

The mean magnetic declination is 10 1/2° E.

Dependent Resurvey of a Portion of the South Boundary, T. 14 N., R. 10 E., Gila and Salt River Meridian, Arizona

Restoring the resurvey executed by Chas. W. Devendorf and Benjamin J. Mollette, in 1935

Beginning at the cor. of secs. 32 and 33 only, on the S. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 13 ins. above ground, in a mound of stone, 2 ft. base, 6 ins. high, with brass cap, mkd. T14N R10E S32 S33 S5 T13N 1934.

from which the remaining original bearing trees

- A stump hole, 15 ins. diam., bears N. 86 1/2° E., 90 lks. dist., with a downed and decayed tree alongside. (Record: N. 88° E., 88 lks.) Set a steel fence post, with attached BT tag, at the center of the stump hole.
- A decayed stump, 24 ins. diam., 1 1/2 ft. high, bears S. 1 1/2° E., 1.35 chs. dist. (Record: S. 5° E., 1.34 chs.) Set a steel fence post, with attached BT tag, at the center of the stump.

and the remaining bearing tree mkd. in 1934

An oak, 12 ins. diam., bears N. 47° E., 99 lks. dist., with scribe marks 14N R10E visible on partially open blaze. Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

CHAINS

and a new bearing tree

A pine, 11 ins. diam., bears N. 35° W., 96 lks. dist., mkd. T14N R10E S32 BT. Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

Add the marks R10E 2015 to brass cap.

Rebuilt the mound of stone, 3 ft. base to top of brass cap.

Set a steel fence post, with attached USFS sign # 54-2, N. of cor.

N. $89^{\circ}47'$ W., bet. secs. 5 and 32, on the S. bdy. of the Tp.

Over rolling terrain.

The 1/4 sec. cor. of sec. 5 only, T. 13 N., R. 10 E, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above ground, with brass cap, mkd. 1/4 S5 1934.

from which the original bearing trees

An oak snag, 8 ins. diam., bears S. 56 1/2° E., 67 lks. dist., with a healed blaze. Attached a BT tag to the front and an USFS sign # 54-9 to the back of the oak snag.

A stump hole, 18 ins. diam., bears S. 65 1/4° W., 29 lks. dist., with a downed and decayed tree alongside.

and the new bearing trees

- A pine, 12 ins. diam., bears S. 60° E., 36.5 lks. dist., mkd. X at breast height and BT at the base. Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.
- A pine, 12 ins. diam., bears S. 30° W., 89 lks. dist., mkd. T13N R10E 1/4 S5 BT. Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

Add the marks T14N R10E T13N R10E 2015 to the brass cap.

Set a steel fence post, with attached USFS sign # 54-9, S. of cor.

N. 89°39' W., beginning new measurement.

Over rolling terrain, continuing on the S. bdy. of the Tp.

8.47 A point, 2 lks. S. of cor. No. 12, H.E.S. No. 178, hereinafter described.

CHAINS

13.75

The 1/4 sec. cor. of sec. 32 only, T. 14 N., R. 10 E., identical with cor. No. 1, H.E.S. No. 178, monumented with an iron post, 1 in. diam., projecting 24 ins. above ground, in a supporting mound of stone 2 1/2 ft. base, 1 ft. high, with brass cap mkd. 1/4 S32 1934, with a "T" post, with attached USFS signs # 54-2 and # 54-4, S. of cor.

from which the remaining original bearing tree

A pine, 20 ins. diam., bears S. 9° E., 32 lks. dist., with a healed blaze. (Record: S. 11° E.) Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

and the 1914 bearing trees(Record to the WC cor. No. 1, H.E.S. No. 178, the following BTs are reference to the 1/4 sec. cor. of sec. 32 only)

- A pine, 30 ins. diam., bears N. 60 1/4° E., 39 lks. dist., with scribe marks 1 HES 178 BT visible on partially open blaze, with 1 BT tag. (Record: N. 59 1/2° E., 38 lks.) Attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.
- A pine, 22 ins. diam., bears S. 21° E., 33 lks. dist., with scribe marks 1 HES BT visible on partially open blaze, with 1 BT tag. (Record: S. 19 1/2° E.) Attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

Add the marks T14N R10E 2015 to the brass cap.

Rebuilt the supporting mound of stone, 2 1/2 ft. base, to top of brass cap.

Remove the signs from the "T" post.

Set a steel fence post, with attached USFS signs # 54-2 and # 54-9, SE of cor.

The cor. is located 2.3 lks. E. from the easterly right-of-way fence of Arizona State Highway No. 87, barbed wire fence, 4 strand, bears N. 60° E. and S. 60° W.

From this cor., the original stone of the witness corner of cor. No. 1, H.E.S. No. 178, bears E., 1.5 lks. dist., a limestone, 10 x 5 ins., firmly set, projecting 20 ins. above ground, mkd. 1 HES 178 on the W. face, and is now part of the supporting mound of stone.

	1. 14 N., R. 10 E., Gila and Sait River Meridian, Arizona
CHAINS	S. 89°58' W., beginning new measurement.
	Over rolling to nearly level terrain and across patented lands, on the right-of-way of Arizona State Highway No. 87.
5.39	Arizona State Highway No. 87, asphalt surfaced, 50 ft. wide, bears N. 60° E. and S. 60° W.
6.22	The edge of pavement of the southbound lane of Arizona State Highway No. 87, bears N. 58° E. and S. 58° W.
6.44	Cor. No. 4, H.E.S. No. 178, hereinafter described.
	Thence leaving patented lands, and soon leaving the right-of-way of Arizona State Highway No. 87.
26.28	The closing cor. of secs. 5 and 6, T. 13 N., R. 10 E., monumented with an iron post, 2 ins. diam., firmly set, flush with the ground, with brass cap, mkd. S32 T14N R10E S6 S5 T13N R10E CC 1934.
	from which the remaining original bearing tree
	A stump hole, 15 ins. diam., bears S. 39°22' E., 1.45 chs. dist., with a dead and downed tree alongside, 12 ins. diam., with scribe marks T13N R10E S5 CC BT visible on partially open blaze. Set a steel fence post, with attached BT tag, at the center of the stump hole.
	and the new bearing trees
	A pine, 12 ins. diam., bears S. 30° E., 1.64 chs. dist., mkd. X at breast height and BT at the base. Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.
	A pine, 9 ins. diam., bears S. 75° W., 83 lks. dist., mkd. X at breast height and BT at the base. Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.
	Add the marks 2015 to the brass cap.
	Set a steel fence post, with attached USFS sign # 54-9, N. of cor.
	N. 89°51' W., beginning new measurement.
13.86	The cor. of secs. 31 and 32 only, monumented with an iron post, 2 ins. diam., projecting 9 ins. above ground, with brass cap, mkd. T14N R10E S31 S32 S6 T13N 1934.
	from which the original bearing trees

CHAINS

- A pine, 24 ins. diam., bears N. 38° E., 20 lks. dist., with scribe marks N R10E 2BT visible on partially open blaze beside weathered old marks. (Record: N. 27° E., 18 lks.) Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.
- A stump hole, 36 ins. diam., bears S. 40 1/4° E., 43 lks. dist., with a dead and downed tree alongside, 24 ins. diam., with no marks visible on partially open blaze. (Record: S. 33° E., 41 lks.) Set a steel fence post, with attached BT tag, at the center of the stump hole.
- A pine, 23 ins. diam., bears S. 31° W., 24 lks. dist., with no marks visible on partially open blaze. (Record: S. 32° W., 23 lks.) Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.
- A pine, 33 ins. diam., bears N. 51 1/4° W., 38 lks. dist., with no marks visible on partially open blaze, beside a healed blaze. (Record: N. 52° W., 36 lks.) Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

Add the marks R10E 2015 to brass cap.

Encircle the iron post in a mound of stone, $3\ 1/2$ ft. base, to top of brass cap.

Set a steel fence post, with attached USFS sign # 54-9, N. of cor.

This cor. is located 5.5 lks. N. of a barbed wire fence, 4 strand, bears E. and W., and 1.55 chs. N. 85° W. from a fence corner, with barbed wire fences, 4 strand, extending N., S. 15° E. and W.

Dependent Resurvey of Homestead Entry Survey No. 178, Tps. 13 and 14 N., R. 10 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by Walter G. Turley, in 1916

From the cor. No. 1, H.E.S. No. 178, identical with 1/4 sec. cor. of sec. 32 only, T. 14 N., R. 10 E., hereinbefore described. This cor. was originally designated as a closing corner during the original survey of H.E.S. 178, but has never functioned as one.

Dependent Resurvey of Homestead Entry Survey No. 178
Tps. 13 and 14 N., R. 10 E., Gila and Salt River Meridian, Arizona

Tps.	13 and 14 N., R. 10 E., Gila and Salt River Meridian, Arizona
CHAINS	
	S. 52°41' W., along line 1-2, H.E.S. No. 178, leaving sec. 32, T. 14 N., R. 10 E. and continuing in sec. 5, T. 13 N., R. 10 E.
	Over gently rolling terrain.
7.09	A brass cap, 3 ins. diam., in concrete, 6 ins. diam., flush with the ground, mkd. ARIZONA HIGHWAY DEPT. 679.7461 EL. 6996.04 1971, with a PK nail, 0.05 ft. W. of center. With an angle liner mkd. HWY. R. OF W. POT 679+74.61, 3.3 lks. N. 25° W. of cap and a carsonite post mkd. PROPERTY BOUNDARY US National Forest LAND BEHIND THIS SIGN, S. 52° W. of cap.
	This brass cap is located 3.3 lks. S. 10° E., of an angle point on the easterly right-of-way fence of Arizona State Highway No. 87, barbed wire, 4 strand, bears N. 45° E. and N. 40° W.
8.02	Right bank of the Long Valley Wash, 3 ft. high, bears N. 50° E. and S. 50° W.
	Thence along Long Valley Wash.
14.285	A local monument, established by Blair C. Meggitt, Arizona R.L.S. No. 18436, in 2002, according to Book 19, Page 8, on file at Coconino County Recorder's Office, monumented with a rebar 5/8 in. diam., firmly set, projecting 2 ins. above ground and leaning NE, with a brass tag mkd. LS 18436.
	Set a "T" post, NE of rebar.
	This cor. is located in Long Valley Wash, 14.5 ft. wide, 3 ft. deep, drains N. 50° E.
20.346	A local monument, established by James Folkers, Arizona R.L.S. No. 18215, date unknown, monumented with a rebar, 1/2 in. diam., firmly set, projecting 4 ins. above ground, with plastic cap, 2 3/4 ins. diam., mkd. WFM. INC. 928-779-4505 RLS 18215.
	From this local monument, a rebar, 1/2 diam., projecting 15 ins. above ground and leaning NW, bears S. 60° W., 1 lk. dist.
	From this same local monument, an open ended iron pipe, 1 in. diam., firmly set, projecting 39 ins. above ground.
	This local monument is located 2.3 lks. S. 55° W., from a fence corner, iron pipe and steel, bears N. 52° E., 8 lks. dist. to the terminus of the fence and N. 38° W., 8 lks. dist. to the terminus of the fence.
	This same local monument is also located on the right bottom of bank of the Long Valley Wash, 22 ft. wide, 3 ft. deep, drains N. 45° E.
	Set a steel fence post, with attached USFS sign # 54-2, N. 52° E. of the local monument.

CHAINS

27.754

Cor. No. 2, H.E.S. No. 178, perpetuated by Charles C. Doak, Chief of Field Survey Section, U. S. Forest Service, Arizona R.L.S. No. 4476, in 1965, according to Case 2, Map 71, on file at Coconino County Recorder's Office, monumented with an iron pipe, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with iron cap mkd. USDA F.S. HES 178 COR. 2 T13N R10E S5 1965 LS 4476, with a "T" post, with attached USFS signs # 54-2 and # 54-4, W. of cor. This is accepted as a careful and faithful perpetuation or the orig. position.

from which the original bearing trees

- A pine, 29 ins. diam., bears S. 53° E., 78 lks. dist., with scribe marks 2 HES 178 X BT visible on partially open blaze, with 1 BT tag. Attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.
- A pine, 44 ins. diam., bears N. 40° W., 55 lks. dist., with scribe marks 2 HES 178 X BT visible on partially open blaze, with 1 BT tag. Attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

and the bearing tree mkd. in 1965

A pine, 14 ins. diam., bears S. 15° E., 25 lks. dist., with a healed blaze, with 1 BT tag. Attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

Remove the signs from the "T" post.

Set a steel fence post, with attached USFS signs # 54-2 and # 54-9, SE of cor.

The cor. is located 42 lks. N. from U. S. Forest Service Road 6102, dirt road, 10 ft. wide, bears S. 25° E. and N. 25° W.

From this cor., the original stone, relocated by Charles C. Doak, bears S. 1 lk. dist., a limestone, 10 x 6 ins., firmly set, projecting 6 ins. above ground, mkd. + on top and 2 HES 178 on the S. face.

N. 31°30' W., along line 2-3, H.E.S. No. 178.

Over gently rolling terrain.

4.28 Easterly right-of-way fence of Arizona State Highway No. 87, barbed wire, 4 strand, bears N. 60° E. and S. 60° W.

CHAINS

5.05

Cor. No. 3, H.E.S. No. 178, perpetuated by Charles C. Doak, Chief of Field Survey Section, U. S. Forest Service, Arizona R.L.S. No. 4476, in 1965, according to Case 2, Map 71, on file at Coconino County Recorder's Office, monumented with an iron pipe, 2 1/2 ins. diam., firmly set, projecting 7 ins. above ground, with iron cap mkd. USDA F.S. T13N R10E S5 HES 178 COR. 3 1965 LS 4476, with a carsonite post, SW of cor. This is accepted as a careful and faithful perpetuation or the orig. position.

from which the remaining original bearing tree

A pine, 50 ins. diam., bears S. 42 1/2° W., 12 lks. dist., with a healed blaze. (Record in 1965: 72 ins. diam.) Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

and a new reference monument

A brass cap, 3 ins. diam., in concrete, 6 ins. diam., flush with the ground for a reference monument, bears S. 31°30' E., 52.1 ft. dist. mkd. ARIZONA HIGHWAY DEPT. &7A. 666+15.44 EL. 7000.34 1971, with an angle liner mkd. HWY. R. OF W. POT 666+15.44, 3 lks. S. 60° W. of cap. This cor. is located 2.3 lks. E. of the easterly right-of-way fence of Arizona State Highway No. 87, barbed wire, 4 strand, bears N. 60° E. and S. 60° W.

Set a steel fence post, with attached USFS signs # 54-2 and # 54-9, SW of cor.

This cor. is located inside right-of-way of Arizona State Highway No. 87, 51 lks. E. of the center line, asphalt surfaced, 26 ft. wide, bears N. 60° E. and S. 60° W.

From this cor., cor. No. 2, H.E.S. No. 88, bears S. 86°21' W., 3.47 chs. dist., perpetuated by Charles C. Doak, Chief of Field Survey Section, U. S. Forest Service, Arizona R.L.S. No. 4476, in 1965, according to Case 2, Map 77, on file at Coconino County Recorder's Office, monumented with an iron pipe, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with iron cap mkd. USDA F.S. 2 HES 88 T13N R10E 1965 LS 4476, with a carsonite post, NE of cor., and a steel fence post, with attached USFS signs # 54-2 and # 54-9, NW. of cor.

from which the remaining original bearing tree

A stump, 12 ins. diam., 3 ft. high, bears N. 21° E., 33 lks. dist., with a BT tag attached to the front and an USFS sign # 54-9 to the back of the stump.

and the bearing tree mkd. in 1965

Dependent Resurvey of Homestead Entry Survey No. 178
Tps. 13 and 14 N., R. 10 E., Gila and Salt River Meridian, Arizona

Tps.	13 and 14 N., R. 10 E., Gila and Salt River Meridian, Arizona		
CHAINS			
	A pine, 20 ins. diam., bears N. 13 1/2° W., 1.975 chs. dist., with a healed blaze, with 2 BT tag attached to the front and an USFS sign # 54-9 to the back of the bearing tree.		
	and the bearing tree mkd. in 2015		
	A pine, 10 ins. diam., bears N. 55° W., 60.5 lks. dist., mkd. X at breast height and BT at the base. With a BT tag attached to the front and an USFS sign # 54-9 to the back of the bearing tree.		
	This cor. is located inside right-of-way of Arizona State Highway No. 87, 10.4 lks. N. 60°43' E. of an angle point on the westerly right-of-way fence, barbed fence, 4 strand, bears S. 60° W. and chain link and barbed wire gate, bears N. 30° W.		
	From this same cor., the closing cor. of secs. 5 and 6, T. 13 N., R. 10 E., on the S. bdy. of sec. 32, T. 14 N., R. 10 E., hereinbefore described, bears N. 7°10' W., 12.598 chs. dist.		
	N. 55°37' E., along line 3-4, H.E.S. No. 178.		
	Over nearly level to level terrain.		
7.14	The edge of pavement of northbound lane of Arizona State Highway No. 87, bears N. 59° E. and S. 59° W.		
12.58	Arizona State Highway No. 87, asphalt surfaced, 26 ft. wide, bears N. 60° E. and S. 60° W.		
19.71	The edge of pavement of the southbound lane of Arizona State Highway No. 87, bears N. 58° E. and S. 58° W.		
22.15	Point for cor. No. 4 H.E.S. No. 178, determined at proportionate dist., there is no remaining evidence of the orig. cor. This cor. was originally designated as a closing corner, but in actuality has only functioned as Cor. No. 4 of the H.E.S.		
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 32 ins. in the ground, with brass cap mkd.		
	T 13 N R 10 E H E S S 5 178 COR 4		
	2015		

from which

CHA	т	M	S

- A pine, 22 ins. diam., bears N. 5° W., 98.5 lks. dist., mkd. 4 HES 178 BT. Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.
- A pine, 13 ins. diam., bears N. 60° W., 81 lks. dist., mkd. X at breast height and BT at the base. Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

Deposit a magnet, in a clear plastic case, at the base of the stainless steel post.

Set a steel fence post, with attached USFS signs # 54-2 and # 54-9, 2 ft. SW of cor.

The cor. is located 22 lks. W. of the edge of pavement of the southbound lane of Arizona State Highway No. 87, bears N. 58° E. and S. 58° W.

From this cor., the 1/4 sec. cor. of sec. 32 only, T. 14 N., R. 10 E., hereinbefore described, bears N. 89°58' E., 6.44 chs. dist.

From this same cor., the closing cor. of secs. 5 and 6, T. 13 N., R. 10 E., on the S. bdy. of sec. 32, T. 14 N., R. 10 E., hereinbefore described, bears S. $89^{\circ}58'$ W., 19.84 chs. dist.

N. 27°34' E., along line 4-5, H.E.S. No. 178, leaving sec. 5, T. 13 N., R. 10 E. and continuing in sec. 32, T. 14 N., R. 10 E.

Over level to rolling to nearly level terrain and leaving the right-of-way of Arizona State Highway No. 87 and continuing on the right-of-way of Coconino County Road No. 3 (Lake Mary Road).

- 8.13 Westerly edge of pavement of Coconino County Road No. 3, along a curve, convex to SW.
- 8.66 Coconino County Road No. 3, asphalt surfaced, 26 ft. wide, along a curve, convex to SW.
- 9.24 Easterly edge of pavement of Coconino County Road No. 3, along a curve, convex to SW.
- Cor. No. 5, H.E.S. No. 178, perpetuated by Charles C. Doak, Chief of Field Survey Section, U. S. Forest Service, Arizona R.L.S. No. 4476, in 1965, according to Case 2, Map 71, on file at Coconino County Recorder's Office, monumented with an iron pipe, 2 1/2 ins. diam., firmly set, projecting 7 ins. above ground, with iron cap mkd. USDA F.S. T14N R10E S.32 HES 178 COR. 5 1965 LS 4476, with a "T" post, with attached USFS signs # 54-2 and # 54-4, W. of cor. This is accepted as a careful and faithful perpetuation or the orig. position.

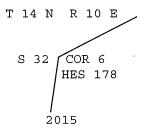
_	Tps.	13 and 14 N., R. 10 E., Gila and Salt River Meridian, Arizona		
	CHAINS			
	I	from which the bearing tree mkd. in 1965		
		A pine, 25 ins. diam., bears N. 9° E., 50 lks. dist., with no marks visible, with 2 BT tags. Replaced the front BT tag and attached an USFS sign # 54-9 to the back of the bearing tree.		
		and a new bearing object		
		A point on a rock outcrop, 4 x 2 ft., projecting 10 ins. on the E. side, bears S. 61°36 1/4' W., 24.5 lks. dist., mkd. XBO. Set a steel fence post, with attached USFS sign # 54-9, SW of rock outcrop.		
		Remove the signs from the "T" post.		
		Set a steel fence post, with attached USFS signs # 54-2 and # 54-9, W. of cor.		
		The cor. is located along the easterly right-of-way fence of Coconino County Road No. 3 (Lake Mary Road), barbed wire, 4 strand, bears N. 20° E. and S. 20° W., and E. 82 lks. from the center line of the same Road, asphalt surfaced, 26 ft. wide, bears N. 24° E. and S. 24° W.		
		From this cor., the original stone, relocated by Charles C. Doak, bears E. 1 lk. dist., a limestone 12 x 5 ins., firmly set, projecting 2 ins. above ground, mkd. + on top and 5 HES 178 on the E. face.		
	!	N. 14°03' E., along line 5-6, H.E.S. No. 178.		
		Over gently rolling to nearly level terrain.		
	3.77	Easterly edge of pavement of Coconino County Road 3, bears N. 5° E. and S. 5° W.		
	6.20	A point 6 lks. E. of the center line of Coconino County Road No. 3, asphalt surfaced, 26 ft. wide, along a curve, concave to E.		
	8.23	Easterly edge of pavement of Coconino County Road 3, bears N. 5° E. and S. 5° W.		

- 9.58 Old State Route 87, asphalt surfaced, 24 ft. wide, bears N. 26° E. and S. 26° W.
- 10.435 Cor. No. 6, H.E.S. No. 178, reestablished Charles C. Doak, Chief of Field Survey Section, U. S. Forest Service, Arizona R.L.S. No. 4476, in 1965, according to Case 2, Map 71, on file at Coconino County Recorder's Office, monumented with an iron pipe, 2 1/2 ins. diam., firmly set, 30 ins. below the surface of the ground, with iron cap, with some marks visible but no legible. This is accepted as a careful and faithful reestablishment of the orig. position.

CHAINS

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 29 ins. in the ground, directly over the iron pipe with iron cap, with brass cap mkd.



from which

- A brass cap, 3 ins. diam., in concrete, 12 ins. diam., flush with the ground for a reference monument, bears S. 22°30' E., 109.2 ft. dist. mkd. ARIZONA HIGHWAY DEPT. 172944 0 00 00 EL 698982 1971, with an angle liner mkd. HWY R.O.W. POST 17+29.44 BK POT 0+00.00 AHD, 3.8 lks. S. 20° W. of cap. This cor. is located along the easterly right-of-way fence of Coconino County Road No. 3 (Lake Mary Road), barbed wire, 4 strand, bears N. 19° E. and S. 19° W., and 1.7 lks. S. 19° W. from an angle point on the same fence, with fences extending S. 71° E. (the southerly right-of-way fence of the Old State Route 87), and S. 19° W. (the easterly right-of-way fence of Coconino County Road No. 3)
- A brass cap, 3 ins. diam., in concrete, projecting 2 ins. above ground for a reference monument, bears S. 37°20' E., 147.1 ft. dist. mkd. ARIZONA HIGHWAY DEPT 172944 0+000 . L 699008 1971, with an angle liner mkd. HWY R.O.W. POST 17+29.44 BK POT 0+00.00 AHD, 4.2 lks. N. 50° W. of cap. This cor. is located 2 lks. S. 22° E. from an angle point on the southerly right-of-way fence of the Old State Route 87, a downed barbed wire fence, extending N. 19° E., and a barbed wire fence, 4 strand, extending N. 71° W.

Found a 60D nail, 4 ins. below the surface of the ground and projecting over the iron pipe.

Deposit the 60D nail, inside the stainless steel post.

Deposit a magnet, in a clear plastic case, alongside of the stainless steel post.

Set a steel fence post, with attached USFS signs # 54-2 and # 54-9, W. of cor.

α u Δ	INS

This cor. is located 15 lks. W. of the northerly edge of pavement of the Old State Route 87, asphalt surfaced, 24 ft. wide, N. 25° E. and S. 25° W.

From this cor., the top SW cor. of Clint's Well, concrete box, 4.8×4.6 ft. bears N. $28^{\circ}12^{\circ}$ E., 4.225 chs. dist.

From this same cor., the top SE cor. of Clint's Well, bears N. $29^{\circ}15'$ E., 4.25 chs. dist.

N. 72°21' E., along line 6-7, H.E.S. No. 178.

Over nearly level to rolling to nearly level terrain.

- 0.50 Old State Route 87, asphalt surfaced, 24 ft. wide, bears N. 26° E. and S. 26° W.
- 8.05 Old State Route 87, graveled road, 20 ft. wide, bears S. 86° E. and N. 86° W.
- Ocr. No. 7, H.E.S. No. 178, perpetuated by Charles C. Doak, Chief of Field Survey Section, U. S. Forest Service, Arizona R.L.S. No. 4476, in 1965, according to Case 2, Map 71, on file at Coconino County Recorder's Office, monumented with an iron pipe, 2 1/2 ins. diam., firmly set, 17 ins. below the surface of the ground, with iron cap mkd. USDA F.S. T14N R10E S32 COR 7 HES 178 1965, with a carsonite post, with attached 2 USFS signs, illegible, N. of cor. This is accepted as a careful and faithful perpetuation or the orig. position.

from which the original bearing trees

- A snag, 23 ins. diam., bears N. 78° E., 79 lks. dist., with scribe marks 7 HES 178 X BT visible on partially open blaze, with 1 BT tag. Remove the BT tag, attached a new BT tag to the front and an USFS sign # 54-9 to the back of the snag.
- A pine, 31 ins. diam., bears N. 3° W., 61 lks. dist., with scribe marks 7 HES 178 X BT visible on partially open blaze. Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

and the bearing tree mkd. in 1965

A pine, 12 ins. diam., bears N. 56° E., 56 lks. dist., with a healed blaze, with 1 BT tag. Remove the BT tag, attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

Dependent Resurvey of Homestead Entry Survey No. 178
Tps. 13 and 14 N., R. 10 E., Gila and Salt River Meridian, Arizona

	13 and 14 N., R. 10 E., Gila and Salt River Meridian, Arizona	
CHAINS		
	Found a rebar, 18 ins. long, 5/8 ins. diam., firmly set, projecting 1 in. above ground and over the iron pipe with iron cap.	
	Deposit the rebar, horizontally, alongside the iron pipe.	
	Deposit a magnet, in a clear plastic case, on top of iron pipe with iron cap.	
	Remove the signs from the carsonite post.	
	Set a steel fence post, with attached USFS signs # 54-2 and # 54-9, N. of cor.	
	The cor. is located 35 lks. N. of the Old State Route 87, graveled road, 20 ft. wide, bears S. 86° E. and N. 85° W., and 21 lks. E. from an asphalt driveway, 15 ft. wide, bears N. and S.	
	S. 82°07' E., along line 7-8, H.E.S. No. 178.	
	Over nearly level to gently rolling terrain.	
5.62	Old State Route 87, graveled road, 20 ft. wide, bears S. 86° E., N. 86° W.	
11.89	Barbed wire fence, 4 strand, bears N. 1° E. and S. 1° W.	
13.56	Barbed wire fence, 4 strand, bears S. 81° E. and N. 89° W.	
17.84	Cor. No. 8, H.E.S. No. 178, perpetuated by Charles C. Doak, Chief of Field Survey Section, U. S. Forest Service, Arizona R.L.S. No. 4476, in 1965, according to Case 2, Map 71, on file at Coconino County Recorder's Office, monumented with an iron pipe, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with iron cap mkd. USDA F.S. T14N R10E S.32 HES 178 COR. 8 1965 LS 4476, with a "T" post, with attached USFS signs # 54-2 and # 54-9, E. of cor. This is accepted as a careful and faithful perpetuation or the orig. position.	
	from which the original bearing trees	
	A pine stump, 38 ins. diam., 4 ft. high, bears N. 42° E., 11 lks. dist., with no marks visible. Attached a BT tag to the front and an USFS sign # 54-9 to the back of the pine stump.	
	A pine snag, 32 ins. diam., bears S. 33°50' E., 98 lks. dist., with scribe marks 8 HES 178 BT visible on partially open blaze, with 2 BT tags. Replace the front BT tag and attached an USFS sign # 54-9 to the back of	

the pine snag.

CHAINS

and the bearing tree mkd. in 1965

A pine, 15 ins. diam., bears S. 10 1/2° E., 32.5 lks. dist., with a healed blaze, with 2 BT tags. Replace the front BT tag and attached an USFS sign # 54-9 to the back of the bearing tree.

and a new bearing tree

A pine, 21 ins. diam., bears S. 70° E., 1.295 chs. dist., mkd. 8 HES 178 BT. Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

Remove the signs from the "T" post.

Set a steel fence post, with attached USFS signs # 54-2 and # 54-9, E. of cor.

From this cor., the original stone, relocated by Charles C. Doak, bears S. 1.3 lks. dist., a limestone 20 x 9 x 8 ins., firmly set, projecting 8 ins. above ground, mkd. 8 HES 178 on the W. face.

S. 83°54' W., along line 8-9, H.E.S. No. 178.

Over nearly level to gently rolling terrain.

20.58

Cor. No. 9, H.E.S. No. 178, reestablished Charles C. Doak, Chief of Field Survey Section, U. S. Forest Service, Arizona R.L.S. No. 4476, in 1965, according to Case 2, Map 71, on file at Coconino County Recorder's Office, monumented with an iron pipe, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with a damage iron cap mkd. ES 178 COR. 9 T14N R10E S.32 1965 76, with a "T" post, with attached USFS signs # 54-2 and # 54-9, S. 65° E., of cor. This is accepted as a careful and faithful reestablishment of the orig. position.

from which the original bearing trees

- A pine, 22 ins. diam., bears S. 43° E., 36 lks. dist., with scribe marks 9 HES 178 X BT visible on partially open blaze, with 1 BT tag. (Record: S. 37° E.) Remove the BT tag, attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.
- A pine, 26 ins. diam., bears S. 14 1/2° E., 33 lks. dist., with scribe marks 9 HES 178 X BT visible on partially open blaze, with 1 BT tag. (Record: S. 10° E.) Remove the BT tag, attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

Dependent Resurvey of Homestead Entry Survey No. 178
Tps. 13 and 14 N., R. 10 E., Gila and Salt River Meridian, Arizona

CHAINS

and the bearing tree mkd. in 1965

A pine, 16 ins. diam., bears S. 1 1/2° W., 56 lks. dist., with a healed blaze, with 1 BT tag. (Record: 52.5 lks.) Remove the BT tag, attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 32 ins. in the ground, with brass cap mkd.

T 14 N R 10 E

HES 178

COR 9 S 32

Deposit a magnet, in a clear plastic case, at the base of the stainless steel post.

Bury the iron pipe, 36 ins. long, horizontally alongside the stainless steel post.

Remove the signs from the "T" post.

Set a steel fence post, with attached USFS signs # 54-2 and # 54-9, S. 50° E., of cor.

S. 15°57' W., along line 9-10, H.E.S. No. 178.

Over nearly level to gently rolling terrain.

8.05

Cor. No. 10, H.E.S. No. 178, perpetuated by Charles C. Doak, Chief of Field Survey Section, U. S. Forest Service, Arizona R.L.S. No. 4476, in 1965, according to Case 2, Map 71, on file at Coconino County Recorder's Office, monumented with an iron pipe, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with iron cap mkd. USDA F.S. HES 178 COR. 10 T14N R10E S.32 1965 LS 4476, with a "T" post, with attached USFS signs # 54-2 and # 54-4, E. of cor. This is accepted as a careful and faithful perpetuation or the orig. position.

from which the remaining original bearing tree

A stump hole, 60 ins. diam., bears S. 24 3/4° W., 1.17 chs. dist., with fallen and rotting stump alongside, 20 ins. diam., 5 1/2 ft. long, with no marks visible. Set a steel fence post, with attached BT tag, at the center of the stump hole.

CHAINS

and the bearing trees mkd. in 1965

- A pine, 17 ins. diam., bears S. 60° E., 42 lks. dist., with a healed blaze, with 1 BT tag. Attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.
- A pine, 13 ins. diam., bears S. 28 1/2° E., 55 lks. dist., with a healed blaze, with 1 BT tag. Attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

Remove the signs from the "T" post.

Set a steel fence post, with attached USFS signs # 54-2 and # 54-9, E. of cor.

From this cor., the original stone, relocated by Charles C. Doak, bears E. 0.75 lk. dist., a limestone 20 \times 9 \times 6 ins., firmly set, projecting 9 ins. above ground, mkd. + on top and 10 HES 178 on the W. face.

S. 41°48' W., along line 10-11, H.E.S. No. 178.

Over nearly level to gently rolling terrain.

10.405

Cor. No. 11, H.E.S. No. 178, perpetuated by Charles C. Doak, Chief of Field Survey Section, U. S. Forest Service, Arizona R.L.S. No. 4476, in 1965, according to Case 2, Map 71, on file at Coconino County Recorder's Office, monumented with an iron pipe, 2 1/2 ins. diam., firmly set, projecting 15 ins. above ground, in a scattered mound of stone, with iron cap mkd. USDA F.S. HES 178 COR. 11 T14N R10E S32 1965 LS 4476, with a "T" post, with attached USFS signs # 54-2 and # 54-4, E. of cor. This is accepted as a careful and faithful perpetuation or the orig. position.

from which the original bearing trees

- A snag, 14 ins. diam., bears N. 74° E., 1.12 chs. dist., with scribe marks 11 HES 178 X BT visible on partially open blaze, with 1 BT tag. Attached a new BT tag to the front and an USFS sign # 54-9 to the back of the snag.
- A stump hole, 60 ins. diam., bears S. 77 3/4° E., 97 lks. dist., with a fallen and dead tree alongside.

and the bearing tree mkd. in 1965

A pine, 13 ins. diam., bears S. 57° E., 51 lks. dist., with a healed blaze, with 1 BT tag. Attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

Dependent Resurvey of Homestead Entry Survey No. 178

Tps.	Dependent Resurvey of Homestead Entry Survey No. 178 13 and 14 N., R. 10 E., Gila and Salt River Meridian, Arizona
CHAINS	
	and a new bearing tree
	A pine, 11 ins. diam., bears N. 60° E., 41.5 lks. dist., mkd. X at breast height and BT at the base. Attached a BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.
	Rebuilt the mound of stone, 3 ft. base, to top of brass cap.
	Remove the signs from the "T" post.
	Set a steel fence post, with attached USFS signs # 54-2 and # 54-9, E. of cor.
	The cor. is located 3.8 lks. NE from a fence corner, barbed wire, 4 strand, with fences extending S. 30° E. and S. 80° W.
	From this cor., the original stone, relocated by Charles C. Doak, bears E. 2 lks. dist., a limestone 12 x 10 ins., firmly set, projecting 10 ins. above ground, mkd. 11 HES 178 on the W. face and is now part of the mound of stone.
	S. 15°52' E., along line 11-12, H.E.S. No. 178.
	Over nearly level to gently rolling terrain.
2.62	Westerly right-of-way fence of Arizona State Highway No. 87, barbed wire fence, 4 strand, bears N. 65° E. and S. 65° W., and 2.9 lks. N. 65° E. from a corner on the same fence, bears N. 65° E. and N. 15° W.
5.57	Arizona State Highway No. 87, asphalt surfaced, 40 ft. wide, bears N. 60° E. and S. 60° W.
8.71	Easterly right-of-way fence of Arizona State Highway No. 87, barbed wire fence, 4 strand, bears N. 40° E. and S. 55° W.
11.28	Cor. No. 12, H.E.S. No. 178, perpetuated by Charles C. Doak, Chief of Field Survey Section, U. S. Forest Service, Arizona R.L.S. No. 4476, in 1965, according to Case 2, Map 71, on file at Coconino County Recorder's Office, monumented with an iron pipe, 2 1/2 ins. diam., firmly set, projecting 3 ins. above ground, with iron cap mkd. USDA F.S. HES 178 COR. 12 T14N R10E S32 CC 1965 LS 4476, with a "T" post, with attached USFS signs # 54-2 and # 54-4, SE of cor. This is accepted as a careful and faithful perpetuation or the orig. position. This cor. is marked as a closing corner, but in actuality has only functioned as Cor. No. 12 of the H.E.S.

from which the original bearing trees

CHAINS

- A pine, 17 ins. diam., bears N. 36°20' E., 49 lks. dist., with scribe marks 12 HES visible on partially open blaze, with 1 BT tag. Attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.
- A pine, 18 ins. diam., bears S. 56°50' E., 61 lks. dist., with scribe marks 178 X BT visible on partially open blaze, with 1 BT tag. Attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

and the bearing tree mkd. in 1965

A pine, 13 ins. diam., bears N. 89 1/2° E., 35 lks. dist., with a healed blaze, with 1 BT tag. Attached a new BT tag to the front and an USFS sign # 54-9 to the back of the bearing tree.

Remove the signs from the "T" post.

Set a steel fence post, with attached USFS signs # 54-2 and # 54-9, SE of cor.

From this cor., the 1/4 sec. cor. of sec. 5 only, T. 13 N., R. 10 E., hereinbefore described, bears S. 89°30' E., 8.47 chs. dist.

N. 89°54' W., along line 1-12, H.E.S. No. 178.

Over nearly level to gently rolling terrain.

5.28

Cor. No. 1, H.E.S. No. 178, identical with the 1/4 sec. cor. of sec. 32, T. 14 N., R. 10 E., and the point of beginning.

GENERAL DESCRIPTION

The area resurveyed within Tps. 13, 14 N., R. 10 E., is located within Coconino National Forest, in the Clint's Well area. Approximately 17.5 miles NE of Strawberry, Arizona. The terrain varies from level to nearly level to gently rolling. The elevation ranges from 6840 to 6880 ft. above sea level.

Access to the area resurveyed is provided by Arizona Highway No. 87, Coconino County Road No. 3 (Lake Mary Road), Old State Route 87, U. S. Forest Service Roads 6035 and 6102.

The mean magnetic declination of 10 $1/2^{\circ}$ E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2014-2019 for the dates of survey.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Charles E. Besancon III	Surveying Technician

CERTIFICATE OF SURVEY

I, Blas J. Urena, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 4th day of November, 2013, I have dependently resurvey a portion of the south boundary, Tp. 14 N., R. 10 E., and dependently resurvey H.E.S. No. 178, Tps. 13 and 14 N., R. 10 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 Instructions for the Survey of the Public Lands of the United States, 2009, and in specific manner described in the foregoing field notes.

1104 2016 (Date)	Blas 5. Wena (Cadastral Surveyor)
	CERTIFICATE OF APPROVAL
	BUREAU OF LAND MANAGEMENT Phoenix, Arizona
boundary, Tp. 14 N., R. 10 13 and 14 N., R. 10 E., of Arizona, executed by Bl	of the dependent resurvey a portion of the south E., and dependent resurvey of H.E.S. No. 178, Tps. It the Gila and Salt River Meridian, in the State of as J. Urena, Cadastral Surveyor, having been and correct, are hereby approved. (Chief Cadastral Surveyor of Arizona)
	CERTIFICATE OF TRANSCRIPT
I CERTIFY that the forego	oing transcript of the field notes of the above 13 and 14 N., R. 10 E., Gila and Salt River ne copy of the original field notes.
	to copy of the offgmar fred notes.
——————————————————————————————————————	(Chief Cadastral Surveyor of Arizona)