**ORIGINAL** 

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE FIFTH STANDARD PARALLEL NORTH (NORTH BOUNDARY), A PORTION OF THE SUBDIVISIONAL LINES,

AND AMENDED HES 619, TRACTS A AND B

AND A METES-AND-BOUNDS SURVEY IN SECTION 3,

TOWNSHIP 20 NORTH, RANGE 7 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

## **EXECUTED BY**

# Gordon R. Bubel, Cadastral Surveyor

Under Special Instructions dated May 8, 2007, approved May 8, 2007, which provided for the surveys included under Group No. 1018, and assignment instructions dated May 8, 2007.

Survey commenced May 29, 2007

Survey completed June 17, 2008

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TOWNSHIP 20 NORTH RANGE 7 EAST GILA AND SALT RIVER MERIDIAN, ARIZONA

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### T. 20 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the Fifth Standard Parallel North (north boundary), a portion of the subdivisional lines and Amended HES 619, Tracts A and B, and a metes-and-bounds survey in section 3, Township 20 North, Range 7 East, Gila and Salt River Meridian, Arizona.

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

In 1878, John L. Harris surveyed the Fifth Standard Parallel North (north boundary), the E., S., and W. boundaries and the subdivisional lines. In 1921, Thomas F. Myers retraced a portion of the Fifth Standard Parallel North (north boundary) and subdivisional lines and surveyed HES 619. In 1928, C. A. Long surveyed Amended HES 619. In 1965, Leonard W. Murphy resurveyed a portion of the Fifth Standard Parallel North (north boundary). In 1966, Wallace R. Ott remonumented certain corners on the east boundary, west boundary and subdivisional lines.

The survey was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions dated May 8, 2007, for Group No. 1018, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 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 determined from a tie made to National Geodetic Survey "A" Order Horizontal Station "GPS 100, 1994." The NAD 83 (1992), geographic position of the corner of sections 2, 3, 10 and 11, is as follows:

Latitude: 35°08'15.74" N. Longitude: 111°37'57.73" W.

The mean magnetic declination is 11 1/2° E.

# Dependent Resurvey of a Portion of the Fifth Standard Parallel North (North Boundary), 20 N., R. 7 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Restoring the survey executed by John L. Harris, in 1878 and the resurvey executed by Leonard W. Murphy, in 1965
	Beginning at the stan. E. 1/16 sec. cor. of sec. 33, monuments with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, encircled with a collar of stone, with brass cap mkd. T21N R7E E 1/16 S33 1965.
	Cor. is located, 1 lk. N., of a woven wire fence, bears E. as W.
	A steel fence post, with F.S. sign No. 54-2 attached, is salongside and S. of the iron post.
	Add the marks 2007 to the brass cap.
	N. 89°44' E., on the S. bdy. of sec. 33.
	Over gently rolling land, through pine timber.
20.08	The stan. cor. of secs. 33 and 34, monumented with an iron pos 2 1/2 ins. diam., firmly set, projecting 3 ins. above grow with brass cap mkd. T21N R7E SC S33 S34 1965.
	from which the 1965 bearing trees
	A pine, 28 ins. diam., bears N. 8 1/2° E., 1.57 ch dist., with a healed blaze.
	A pine, 24 ins. diam., bears N. 32 1/2° W., 1.10 chedist., with illegible scribe marks on partially healed over blaze.
	Cor. is located 1 lk. S. of a fence cor., with barbed wind fences extending N., E. and W.
	Add the marks 2007 to the brass cap.
	N. 89°27' E., on the S. bdy. of sec. 34.

The stan. 1/4 sec. cor. of sec. 34, perpetuated by Blair Meggitt, Arizona R.L.S. No. 18436, date unknown, monumented with an open end iron pipe, 3/4 in. diam., firmly set, projecting 1 in. above ground, with affixed brass wafer, mkd. LS 18436. This is accepted as a careful and faithful perpetuation of the orig. cor. Not remonumented.

40.19

# Dependent Resurvey of a Portion of the Fifth Standard Parallel North (North Boundary), T. 20 N., R. 7 E., Gila and Salt River Meridian, Arizona

#### CHAINS

from which the remaining orig. bearing tree

A pine, 32 ins. diam., bears N. 38° E., 1.19 chs. dist., with a healed blaze.

and the bearing trees mkd. by Wallace Ott, Arizona R.L.S. No. 9431, in 1981

- A pine, 18 ins. diam., bears S. 40° E., 62 lks. dist., with scribe mark T visible on partially open blaze.
- A pine, 14 ins. diam., bears S. 52° W., 44.5 lks. dist., with illegible scribe marks visible on partially healed over blaze.

Cor. is located in a barbed wire fence, bears E. and W.

A fiberglass post, with F.S. sign No. 54-2 attached, is set alongside and S. of the iron post.

N. 89°36' E., beginning new measurement.

### 40.17

The stan. cor. of secs. 34 and 35, perpetuated by Wallace R. Ott, Arizona R.L.S. No. 9431, according to record of survey, filed at Coconino County Recorders Office, in book 3, page 87A, recorded on January 25, 1982, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with aluminum cap mkd. SC T21N R7E S34 S35 1981 RLS 9431. This is accepted as a careful and faithful perpetuation of the orig. cor. Not remonumented.

from which the remains of the orig. bearing trees

- A rotted pine stump, 24 ins. diam., 24 ins. high, bears N.  $76^{\circ}$  E., 82 lks. dist., no marks visible.
- A stump hole, 30 ins. diam., bears N. 38° W., 8 lks. dist., with a downed pine alongside, with rotted blaze.

and the bearing trees marked by Ott

- A pine, 12 ins. diam., bears N. 67° E., 56.5 lks. dist., with scribe mark T visible on a partially open blaze.
- A pine, 13 ins. diam., bears S. 85° E., 34 lks. dist., with illegible scribe marks visible, on a partially healed over blaze.

Cor. is located N. 65° E., 16.5 lks., from a fence cor., with barbed wire fences bearing N. 15° E. and W.

# Dependent Resurvey of a Portion of the Fifth Standard Parallel North (North Boundary), T. 20 N., R. 7 E., Gila and Salt River Meridian, Arizona

#### CHAINS

A fiberglass post, with F.S. sign No. 54-2 attached, is set alongside and S. of the iron post.

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 20 N., R. 7 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by John L. Harris, in 1878

From the cor. of secs. 2, 3, 10 and 11, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 9 ins. above ground, with a mound of stone, 3 ft. base, 1 1/2 ft. high to the W., with brass cap mkd. T20N R7E S3 S2 S10 S11 1966.

from which the orig. bearing trees

- A pine, 39 ins. diam., bears S. 63° E., 67 lks. dist., with scribe marks XXN VIIE XI visible on partially open blaze.
- A stump hole, 30 ins. diam., bears S. 27° W., 27 lks. dist., with stump remains, 15 ins. diam., 3 ft. long, lying alongside.
- A cut pine stump, 40 ins. diam., 1 ft. high, bears N.  $8^{\circ}$  W., 1.62 chs. dist., no marks visible.

and from which the 1921 bearing tree

A pine, 30 ins. diam., bears N.  $17^{\circ}$  W., 1.55 chs. dist., with a healed blaze.

A steel fence post, with Forest Service sign No.54-2 attached, is set alongside and E. of the cor.

Add the marks 2007 to the brass cap.

N.  $0^{\circ}03'$  W., bet. secs. 2 and 3.

Over rolling land, through pine timber.

5.02

Point for the S-S-S 1/256 sec. cor. of secs. 2 and 3, established by Wallace R. Ott, Arizona R.L.S. No. 9431, according to record of survey, filed at Coconino County Recorders Office, in book 3, page 87A, recorded on January 25, 1982, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with aluminum cap mkd. S-S-S 1/256 S3 S2 1981 RLS 9431. This is accepted as a careful and faithful establishment of the cor. position. Not remonumented.

#### CHAINS

from which the bearing trees established by Ott

- A pine, 12 ins. diam., bears S. 24° E., 51 lks. dist., with a healed blaze.
- A pine stump, 12 ins. diam., 5 ins. high, bears S. 68° W., 15 lks. dist., no marks visible.

Add the marks 2007 to the aluminum cap.

A steel fence post, with Forest Service sign Nos. 54-2 and 54-9 attached, is set alongside and W. of the cor.

N. 0°03' W., beginning new measurement.

### 20.06

Point for the S-N-S 1/256 sec. cor. of secs. 2 and 3, established by Wallace R. Ott, Arizona R.L.S. No. 9431, according to record of survey, filed at Coconino County Recorders Office, in book 3, page 87B, recorded on January 25, 1982, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with aluminum cap mkd. S-N-S 1/256 S3 S2 1981 RLS 9431. This is accepted as a careful and faithful establishment of the cor. position. Not remonumented.

from which the bearing trees established by Ott

- A pine, 10 ins. diam., bears N. 14° E., 25.5 lks. dist., with a healed blaze.
- A pine, 8 ins. diam., bears N.  $74^{\circ}$  E., 8.5 lks. dist., with a healed blaze.

Add the marks 2007 to the aluminum cap.

A steel fence post, with Forest Service sign Nos. 54-2 and 54-9 attached, is set alongside and W. of the cor.

N.  $0^{\circ}03'$  W., beginning new measurement.

### 15.05

The 1/4 sec. cor. of secs. 2 and 3, perpetuated by Wallace R. Ott, Arizona R.L.S. No. 9431, according to record of survey, filed at Coconino County Recorders Office, in book 3, page 87B, recorded on January 25, 1982, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 16 ins. above ground, in a mound of stone, 3 ft. base, 1 ft. high, with aluminum cap mkd. T20N R7E 1/4 S3 S2 1981 RLS 9431 1981. This is accepted as a careful and faithful perpetuation of the orig. cor. position. Not remonumented.

from which the remains of an orig. bearing tree

### CHAINS

A rotted pine stump, 26 ins. diam., 42 ins. high, bears West, 29 lks. dist., no marks visible.

and the bearing trees established by Ott

- A pine, 22 ins. diam., bears S. 5° E., 66 lks. dist., with illegible scribe marks visible on a partially healed blaze.
- A pine, 10 ins. diam., bears S.  $72^{\circ}$  W., 41.5 lks. dist., with a healed blaze.

Add the marks 2007 to the aluminum cap.

Cor. is located in a barbed wire fence, bears E. and W.

N. 2°51' W., beginning new measurement.

### 38.445

The orig. closing cor. of secs. 2 and 3, determined from the remains of the orig. bearing trees

- A pine, 34 ins. diam., bears S. 30° E., 86 lks. dist., with scribe marks XXN RVIIE visible on partially open blaze.
- A pine stump, 24 ins. diam., 66 ins. high, bears S. 26° W., 23 lks. dist., no marks visible.

Not monumented.

## 38.48

True point for the closing cor. of secs. 2 and 3, at intersection with the Fifth Standard Parallel North, established by Wallace R. Ott, Arizona R.L.S. No. 9431, according to record of survey, filed at Coconino County Recorders Office, in book 3, page 87A, recorded on January 25, 1982, monumented with an aluminum post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with aluminum cap mkd. T21N R7E S34 S3 S2 T20N R7E CC 1981 RLS 9431. This is accepted as a careful and faithful establishment of the cor. position. Not remonumented.

from which a bearing tree established by Ott

A pine, 10 ins. diam., bears S.  $44^{\circ}$  W., 70.5 lks. dist., with a healed blaze.

Add the marks 2007 to the aluminum cap.

A fiberglass post, with Forest Service sign Nos. 54-2 and 54-9 attached, is set alongside and S. of the cor.

Cor. is located 4 lks. E. of a fence cor. with barbed wire fences, bearing W. and S. for 27 lks., thence E.

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From this cor. point, the stan. cor. of secs. 34 and 35, bears N. 89°36' E., 12.55 chs. dist., hereinbefore described.

From this same cor. point, the stan. 1/4 sec. cor. of sec. 34, bears S. 89°36' W., 27.62 chs. dist., hereinbefore described.

From the cor. of secs. 2, 3, 10 and 11.

S. 88°28' W., bet. secs. 3 and 10.

Over rolling land, through pine timber.

41.02

Point accepted for the 1/4 sec. cor. of secs. 3 and 10, occupied with a 1/2 in. diam. rebar of unknown origin, firmly set, projecting 4 ins. above ground. This is accepted as the best available evidence of the orig. cor. position.

At the corner point

Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

2007

Deposit a magnet, in a white plastic case, at the base of the aluminum post.

Deposit the rebar, 18 ins. long, inside the aluminum post.

Set a steel fence post alongside and N. of the cor.

- S. 88°28' W., beginning new measurement.
- 6.02 Northeasterly edge of pavement, Forest Highway No. 3, bears S. 53° E. and N. 48° W.
- Point for AP 1, of the metes-and-bounds survey in sec. 3, at intersection with the center line of Forest Highway No. 3, on the arc of a circular curve, to the left, having a central angle of 52°53'17" and a radius of 3599.54 ft.

Set a magnetic alloy spike, 1/4 in. diam.,  $3\ 1/2$  ins. long, with 1 in. diam. dimpled head mkd. SURVEY MARK, flush with the surface of pavement.

# CHAINS from which An aluminum post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, for a reference monument, bears N. $70^{\circ}01'$ E., 100.0 ft. dist., with brass cap mkd. RM T20N R7E S3 100.0 FT TO COR AP 1 2007 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the aluminum post. steel fence post, with Forest Service sign No. 54-9 attached, alongside and N. of the aluminum post. An aluminum post, 28 ins. long, 2 1/2 ins. diam., 26 ins.

in the ground, for a reference monument, bears N.  $29^{\circ}59'$  W., 100.0 ft. dist., with brass cap mkd. RM T20N R7E S3 100.0 FT TO COR AP 1 2007, and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the aluminum post. Set a steel fence post, with Forest Service sign No. 54-9 attached, alongside and N. of the aluminum post.

From this cor. point, the point of tangency, monumented with a rebar, 5/8 in. diam., 1 in. below asphalt surface of Forest Highway No. 3, bears S. 70°34'30" E., 19.095 chs. dist.

From this same cor. point, the point of curvature, monumented with a 2 in. diam. alum. cap, set flush in concrete, damaged and unreadable, bears N. 44°08' W., 30.73 chs. dist.

- 6.92 Southwesterly edge of pavement, Forest Highway No. 3, bears S. 53° E. and N. 48° W.
- 41.02 The cor. of secs. 3, 4, 9 and 10, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, to the W., with brass cap mkd. T20N R7E S4 S3 S9 S10 1966.

from which the orig. bearing trees

- A burnt pine stump, 24 ins. diam., 24 ins. high, bears N. 28° E., 76 lks. dist.
- A pine snag, 22 ins. diam., bears N. 25° W., 1.26 chs. dist., with illegible scribe marks visible on an open blaze. (Record: 1.23 chs.)

Add the marks 2007 to the brass cap.

	1. 20 M., M. Cita and bare Mirel Meraldin, milliona
CHAINS	From this cor. point, N.G.S. "A" Order horizontal station "GPS 100 1994," bears N. 81°13' W., 191.88 chs. dist., a Coconino County Engineering Dept. brass disc, 3 3/4 ins. diam., mkd. GPS
	100 1994, seated in concrete, 9 ins. below ground, inside a corrugated metal pipe, 24 ins. diam., with steel hinged lid.
	N. 0°14' W., bet. secs. 3 and 4.

- 8.52 Point for AP 8, at intersection with line 8-9, Tract B, Amended HES 619, hereinafter described.
- 19.27 Point for AP 7, at intersection with line 9-10, Tract B, Amended HES 619, hereinafter described.
- The 1/4 sec. cor. of secs. 3 and 4, established by Charles C. Doak, Arizona R.L.S. No. 4476, according to record of survey filed at Coconino County Recorders Office, in Book 1, Page 13, recorded on July 30, 1973, monumented with an iron post, 2 1/2 ins. diam., firmly set in a collar of stone, projecting 6 ins. above ground, with brass cap mkd. USDA-FS T20N R7E 1/4 S4 S3 LS 4476 1970. This is accepted as a careful and faithful reestablishment of the orig. cor. position.

from which the bearing trees established by Doak

- A pine, 13 ins. diam., bears N. 71 1/2° E., 9 lks. dist., with an unreadable bearing tree sign attached.
- A pine, 16 ins. diam., bears S. 65° W., 45 lks. dist., with a healed blaze. (Record S. 72° W.)

Add the marks 2007 to the brass cap.

N. 0°12' W., beginning new measurement.

Point for AP 6, of the metes-and-bounds survey in sec. 3, at intersection with the center line of Forest Highway No. 3, occupied with an aluminum cap, set flush in concrete, mkd. CITY OF FLAGSTAFF MATRIX LAND SURVEYING RLS 25083. This is accepted as a careful and faithful establishment of the cor. position. Not remonumented.

From this cor. point, the point of curvature, hereinbefore described, monumented with a 2 in. diam. alum. cap, set flush in concrete, damaged and unreadable, bears S. 27°46' E., 28.205 chs. dist.

From this same cor. point, a point on the tangent, monumented with a 2 in. diam. alum. cap, set flush in concrete, damaged and unreadable, bears N.  $27^{\circ}46'$  W., 17.48 chs. dist.

# CHAINS

20.01

The N. 1/16 sec. cor. of secs. 3 and 4, established by Charles C. Doak, Arizona R.L.S. No. 4476, according to record of survey filed at Coconino County Recorders Office, in Book 1, Page 13, recorded on July 30, 1973, monumented with an iron post, 2 1/2 ins. diam., firmly set, in a collar of stone, projecting 10 ins. above ground, with brass cap mkd. USDA-FS N 1/16 S4 S3 LS 4476 1970. This is accepted as a careful and faithful determination of the cor. position.

from which the bearing trees established by Doak

- A twin pine, 16 ins. and 24 ins. diam., bears S. 77° E., 55 lks. dist., with a healed blaze.
- A pine, 28 ins. diam., bears S. 27° E., 50 lks. dist., with a healed blaze.

Add the marks 2007 to the brass cap.

Cor. is located in a barbed wire fence, bearing S. 15° E. and N. 15° W., with a steel fence post alongside and easterly of the cor.

N. 0°12' W., beginning new measurement.

20.07

The closing cor. of secs. 3 and 4, at intersection with the Fifth Standard Parallel North, perpetuated by Charles C. Doak, Arizona R.L.S. No. 4476, according to record of survey, filed at Coconino County Recorders Office, in Book 1, Page 13, recorded on July 30, 1973, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. S4 S3 CC T20N R7E 1970 LS 4476. This is accepted as a careful and faithful perpetuation of the orig. cor. position. Not remonumented.

The remains of the orig. bearing trees, as described by Doak were not recovered.

from which the bearing trees established by Doak

- A pine, 22 ins. diam., bears S. 82° E., 88.5 lks. dist., with a healed blaze.
- A pine, 20 ins. diam., bears S. 27° W., 88 lks. dist., with a healed blaze.

Cor. is located 9 lks. S. of a barbed wire fence, bears  ${\tt E.}$  and  ${\tt W.}$ 

Add the marks T21N R7E S33 2007 to the brass cap.

CHAINS

1.68

From this cor. point, the stan. cor. of secs. 33 and 34, bears N. 89°44' E., 12.55 chs. dist., hereinbefore described.

From this same cor. point, the stan. E. 1/16 sec. cor. of sec. 33, bears S. 89°44' W., 7.53 chs. dist., hereinbefore described.

Dependent Resurvey of Amended HES 619, Tracts A and B, T. 20 N., R. 7 E., Gila and Salt River Meridian, Arizona

Restoring the surveys executed by Thomas F. Myers, in 1921 and C. A. Long, in 1928

### TRACT A

From cor. No. 1, Tract A, of Amended HES 619, perpetuated by Charles C. Doak, Arizona R.L.S. No. 4476, according to record of survey, filed at Coconino County Recorders Office, in Case 2, Map 260, recorded on November 17, 1970, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. T20N R7E 1 HES 619 LS 4476 1968. This is accepted as a careful and faithful perpetuation of the orig. cor. position.

from which the orig. bearing trees

- A pine, 36 ins. diam., bears N.  $70^{\circ}04'$  E., 2.49 chs. dist., with a healed blaze.
- A pine stump, 36 ins. diam., 6 1/2 ft. high, bears S. 89°54' E., 2.59 chs. dist., with a bearing tree sign attached.

Add the marks 2007 to the brass cap.

Set a steel fence post, with U.S.F.S. sign attached, alongside and W. of the cor.

From this cor. point, the 1/4 sec. cor. of secs. 3 and 4, bears S.  $3^{\circ}54'$  W., 4.77 chs. dist., hereinbefore described.

S. 70°47' E., along line 1-2 of Tract A, Amended HES 619.

Point for AP 5, of the metes-and-bounds survey in sec. 3, at intersection with the center line of Forest Highway No. 3.

Set a magnetic alloy spike, 1/4 in. diam.,  $3\ 1/2$  ins. long, with 1 in. diam. dimpled head mkd. SURVEY MARK, flush with the surface of pavement.

### CHAINS

From this cor. point, the point of curvature, hereinbefore described, monumented with a 2 in. diam. alum. cap, set flush in concrete, damaged and unreadable, bears S. 27°46' E., 24.045 chs. dist.

From this same cor. point, a point on the tangent, hereinbefore described, monumented with a 2 in. diam. alum. cap, set flush in concrete, damaged and unreadable, bears N.  $27^{\circ}46'$  W., 21.64 chs. dist.

34.81

Cor. No. 2, Tract A, Amended HES 619, perpetuated by Charles C. Doak, Arizona R.L.S. No. 4476, according to record of survey, filed at Coconino County Recorders Office, in Case 2, Map 260, recorded on November 17, 1970, monumented, with an iron post, 2 1/2 ins. diam., firmly set, projecting 13 ins. above ground, in a mound of stone, 3 ft. base, 1 ft. high, with brass cap mkd. T20N R7E 2 HES 619 S3 LS 4476 1968. This is accepted as a careful and faithful perpetuation of the orig. cor. position.

Add the marks 2007 to the brass cap.

Cor. is located 1 lk. S. of a barbed wire fence, bears S. 71° E. and N. 71° W., and 15 lks. W. of a barbed wire fence, bears N. 33° E. and S. 33° W.

S. 33°32' W., along line 2-3, Tract A, Amended HES 619.

22.89

Cor. No. 3, Tract A, Amended HES 619, perpetuated by Charles C. Doak, Arizona R.L.S. No. 4476, according to record of survey, filed at Coconino County Recorders Office, in Case 2, Map 260, recorded on November 17, 1970, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd. HES 619 3 T20N R7E S3 LS 4476 1968. This is accepted as a careful and faithful perpetuation of the orig. cor. position.

from which the orig. bearing trees

- A pine, 39 ins. diam., bears N. 62°55′ E., 2.34 chs. dist., with a healed blaze.
- A pine, 34 ins. diam., bears S. 49°35′ E., 1.02 chs. dist., with a healed blaze.

Add the marks 2007 to the brass cap.

N. 34°20' W., along line 3-4, Tract A, Amended HES 619.

	T. 20 N., R. 7 E., Gila and Salt River Meridian, Arizona
CHAINS	
15.35	Cor. No. 4, Tract A, Amended HES 619, reestablished by Charles C. Doak, Arizona R.L.S. No. 4476, according to record of survey, filed at Coconino County Recorders Office, in Case 2, Map 260, recorded on November 17, 1970, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd. HES 619 4 T20N R7E S3 LS 4476 1969. This is accepted as a careful and faithful reestablishment of the orig. cor. position.
	Add the marks 2007 to the brass cap.
	Cor. is located 50 lks. NE of the easterly edge of asphalt, Forest Highway No. 3, and 1 lk. westerly of a wood plank fence.
	N. 37°57' W., along line 4-5, Tract A, Amended HES 619.
4.34	Point for AP 4, of the metes-and-bounds survey in sec. 3, at intersection with the center line of Forest Highway No. 3.
	Set a standard railroad spike flush with the surface of asphalt.
	from which
	An aluminum post, 28 ins. long, 2 1/2 ins. diam., set 29 ins. in the ground, for a reference monument, bears South, 66 ft. dist., with brass cap mkd. RM T20N R7E S3 66.0 FT TO COR AP4 2007, and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the aluminum post.
	An aluminum post, 28 ins. long, 2 1/2 ins. diam., set flush with the ground, for a reference monument, bears N. 70°01' W., 70 ft. dist., with brass cap mkd. RM T20N R7E S3 70.0 FT TO COR AP4 2007, and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the aluminum post.
	From this cor. point, the point of curvature, hereinbefore described, monumented with a 2 in. diam. alum. cap, set flush in concrete, damaged and unreadable, bears S. 27°46' E., 8.35 chs. dist.
	From this same cor. point, a point on the tangent, hereinbefore described, monumented with a 2 in. diam. alum. cap, set flush in concrete, damaged and unreadable, bears N. 27°46' W., 37.335 chs. dist.
14.89	Intersect 6 ft. high, wooden fence, bears S. 58°36' E. and N. 58°36' W.
1	

CHAINS	

15.32

Cor. No. 5, Tract A, Amended HES 619, perpetuated by Charles C. Doak, Arizona R.L.S. No. 4476, according to record of survey, filed at Coconino County Recorders Office, in Case 2, Map 260, recorded on November 17, 1970, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. T20N HES R7E 619 5 S4 LS 4476 1968. This is accepted as a careful and faithful perpetuation of the orig. cor. position.

from which an orig. bearing tree

A pine, 26 ins. diam., bears N. 29° E., 58 lks. dist., with a healed blaze. (Record: N. 28°47' E., 52 lks.)

and from which the bearing tree established by Doak

A pine, 25 ins. diam., bears N. 52° W., 1.07 chs. dist., with a healed blaze.

Add the marks 2007 to the brass cap.

N. 20°22' W., along line 5-1 of Tract A, Amended HES 619.

6.16

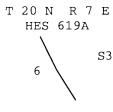
Cor. No. 1, Amended HES 619, hereinbefore described.

## TRACT B

From cor. No. 6, Tract B, Amended HES 619, reestablished by Kenneth A. Krenke, Arizona R.L.S. No. 14671, according to record of survey filed at Coconino County Recorders Office, in Book 19, Page 34, recorded on October 30, 2002, monumented with a rebar, 5/8 in. diam., firmly set, 2 ins. below ground, with affixed alum. cap, 2 ins. diam., mkd. N.E.S. LS 14671. This is accepted as a careful and faithful reestablishment of the orig. cor. position.

At the corner point

Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., flush with the ground, with brass cap mkd.



2007

# Dependent Resurvey of Amended HES 619, Tracts A and B,

# T. 20 N., R. 7 E., Gila and Salt River Meridian, Arizona CHAINS Deposit rebar, 18 ins. long, and cap inside the aluminum post. Deposit a magnet, in a white plastic case, at the base of the aluminum post. Cor. is located 4 lks. N. of the NE edge of pavement of Forest Highway No. 3. From this cor. point, the 1/4 sec. cor. of secs. 3 and 4, bears N. 36°50' W., 32.915 chs. dist., hereinbefore described. S. 35°39' E., along line 6-7 of Tract B, Amended HES 619. 3.33 Point for AP 2, of the metes-and-bounds survey in sec. 3, at intersection with the center line of Forest Highway No. 3, on the arc of a circular curve, to the left, having a central angle of 52°53'17" and a radius of 3599.54 ft. At the corner point Set a standard railroad spike flush with the surface of asphalt. from which An aluminum post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears N. 89°57' E., 66 ft. dist., with brass cap mkd. RM T20N R7E S3 66.0 FT TO COR AP 2 2007 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the aluminum post. Set a steel fence post, with Forest Service sign No. 54-9 attached, alongside and northwesterly of the aluminum post. From this cor. point, the point of tangency, hereinbefore described, monumented with a rebar, 5/8 in. diam., firmly set, 1 in. below asphalt surface of Forest Highway No. 3, bears S. 61°58'30" E., 34.945 chs. dist. From this same cor. point, the point of curvature, hereinbefore described, monumented with a 2 in. diam. alum. cap, set flush in concrete, damaged and unreadable, bears N. 35°32' W., 14.73 chs. dist. 7.73 Intersect 6 ft. high, wooden fence, atop a 3 ft. high concrete block wall, bears S. $44^{\circ}$ E. and N. $44^{\circ}$ W., thence across asphalt driveway. 10.62 Cor. No. 7, Tract B, of Amended HES 619, monumented with an iron post, 2 ins. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd. HES 619 7 1921.

from which an orig. bearing tree

	Dependent Resurvey of Amended HES 619, Tracts A and B, T. 20 N., R. 7 E., Gila and Salt River Meridian, Arizona		
CHAINS			
	A pine, 46 ins. diam., bears S. 19°25' E., 1.50 chs. dist., with a healed blaze and bearing tree sign attached.		
	and a bearing tree mkd. by Charles C. Doak, Arizona R.L.S. No. 4476, according to record of survey, filed at Coconino County Recorders Office, in Case 2, Map 260, recorded on November 17, 1970		
	A pine, 24 ins. diam., bears N. 72° E., 68 lks. dist., with a healed blaze.		
	Cor. is located at the angle point of a smooth wire fence bears S. 86° E. and N. 35° W.		
	Add the marks T20N R7E S3 2007 to the brass cap.		
	N. 86°12' W., along line 7-8 of Tract B, Amended HES 619.		
19.88	Cor. No. 8, Tract B, of Amended HES 619, perpetuated by Charles C. Doak, Arizona R.L.S. No. 4476, according to record of survey, filed at Coconino County Recorders Office, in Case 2, Map 260, recorded on November 17, 1970, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd. HES 619 8 T20N R7E S3 LS4476 1968. This is accepted as a careful and faithful perpetuation of the orig. cor. position.		
	from which the remains of an orig. bearing tree		
	A pine stump, 36 ins. diam., 6 ins. high, bears N. 78°47' W., 24 lks. dist.		
	Add the marks 2007 to the brass cap.		
	N. 70°13' W., along line 8-9 of Tract B, Amended HES 619.		
6.33	Point for AP 8, at intersection with the line bet. secs. 3 and 4.		
	Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.		

	1. 20 N., R. / E., GIIA ANG SAIL RIVEL MELIGIAN, ALIZONA			
CHAINS				
	T 20 N R 7 E			
	HES 619A			
1	AP8			
	S4   S3			
	2007			
	Deposit a magnet, in a white plastic case, at the base of the aluminum post.			
	Cor. is located in a pipe fence, bears S. 71° E. and N. 71° W., 85 lks. N. of East Avenue, a cinder road, 20 ft. wide, bears S. 74° E. and N. 74° W.			
	Set a steel fence post, with attached U.S.F.S. sign No. 54-9, alongside and W. of the cor.			
13.42	Intersect the easterly side of a manufactured home, 56 X 12 ft., the long side bears N. 68°01' W., the SE cor. bears S. 21°59' W., 8 lks. dist.			
14.27	Intersect the westerly side of same manufactured home, the SW cor. bears S. 21°59' W., 5 lks. dist.			
14.63	Intersect the easterly side of a manufactured home, 57 X 12 ft., the long side bears N. 66°30' W., the SE cor. bears S. 23°30' W., 8 lks. dist.			
15.49	Intersect the westerly side of same manufactured home, the SW cor. bears S. 23°30' W., 2 lks. dist.			
15.88	Intersect the easterly side of a manufactured home, 49 X 12 ft., the long side bears N. 70°22' W., the SE cor. bears S. 19°38' W., 3 lks. dist.			
16.62	Intersect the westerly side of same manufactured home, the SW cor. bears S. 19°38' W., 3 lks. dist.			
17.26	Intersect the easterly side of a manufactured home, 48 X 12 ft., the long side bears N. 41°03' E., the southerly cor. bears S. 41°03' W., 6 lks. dist.			
17.44	Intersect the westerly side of same manufactured home, the westerly cor. bears N. 48°57' W., 2 lks. dist.			
17.75	Cor. No. 9 of Amended HES 619, perpetuated by the rusted remains of the 1921 iron post, and verified by the 1928 bearing trees			
	A pine, 24 ins. diam., bears N. 52°20' E., 1.84 chs. dist., with a healed blaze.			

	T. 20 N., R. / E., Gila and Salt River Meridian, Arizona
CHAINS	
	A pine, 41 ins. diam., bears S. 54°30' E., 1.08 chs. dist., with a healed blaze.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.
	T 20 N R 7 E
	S4 9 619A
	2008
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	From this cor. point, the terminus of a downed barbed wire fence, bears N. 57° E., 27 lks. dist., extends N. 57° E.
	From this same cor. point, the terminus of an erect barbed wire fence, bears N. 8° E., 27 lks. dist., extends S. 40° W.
	Note: The 1921 iron post was recovered during the course of the field work performed in 2007, as described in the official record. Additional field work was performed in June, 2008, and it was discovered that person(s) unknown had removed the 1921 iron post.
	N. 57°14' E., along line 9-10 of Tract B, Amended HES 619.
1.69	Hog wire fence, 5 ft. high, bears N. 5°44' E., 55 lks. dist., thence N. 50°17' E.
2.30	From this point, the southerly cor. of a 10 X 8 ft. wooden shed, with long side bearing N. $44^{\circ}$ E., bears N. $35^{\circ}43^{\circ}$ W., $31$ lks. dist.
2.84	Hog wire fence, 5 ft. high, bears S. 70°10' E. and N. 70°10' W., for 57 lks., to intersect with hog wire fence, bears S. 50°17' W.
11.66	From this point, a rebar, 1/2 in. diam., firmly set, projecting 6 ins. above ground, with affixed alum. cap mkd. S. O. Dawson LS 10483, bears S. 32°46' E., 4 lks. dist.
11.72	From this point, a rebar, 1/2 in. diam., firmly set, set flush with the ground, with affixed alum. cap mkd. N.E.S. LS 14671, bears S. 32°46' E., 4 lks. dist.

	T. 20 N., R. 7 E., Gila and Salt River Meridian, Arizona
CHAINS	
12.72	Point for AP 7, at intersection with the line bet. secs. 3 and 4.
	Set an aluminum post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a mound of stone, 2 ft. base, to top, with brass cap mkd.
	T 20 N R 7 E S4   S3 AP7
	HES 619A
	2007
	Deposit a magnet, in a white plastic case, at the base of the aluminum post.
	Cor. is located 3 lks. S. of a barbed wire fence, bears N. 58° E. and S. 58° W., along line 9-10 of Amended HES 619.
	Set a steel fence post, with attached U.S.F.S. sign No. 54-9, alongside and N. of the cor.
24.01	Intersect the westerly side of a wooden shed, 12 X 8 ft., the long side bears N. 71°00' E., the northwesterly cor. bears N. 19°00' W., 12 lks. dist.
24.20	Intersect the easterly side of same wooden shed, the northeasterly cor. bears N. 19°00' W., 7 lks. dist.
25.28	Intersect the westerly side of a wooden shed, 16 X 10 ft., the long side bears S. 30°09' E., the northwesterly cor. bears N. 30°09' W., 7 lks. dist.
25.44	Intersect the easterly side of same wooden shed, the northeasterly cor. bears N. 30°09' W., 6 lks. dist.
25.80	Cor. No. 10 of Amended HES 619, reestablished by S. O. Dawson, Arizona R.L.S No. 10483, monumented with a rebar, 1/2 in. diam., firmly set, 8 ins. below ground, with affixed aluminum cap mkd. S. O. DAWSON LS 10483. This is accepted as careful and faithful reestablishment of the orig. cor. position.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., flush with the ground, in concrete, with brass cap mkd.

# Dependent Resurvey of Amended HES 619, Tracts A and B,

T. 20 N., R. 7 E., Gila and Salt River Meridian, Arizona CHAINS T 20 N R 7 E HES 619A S3 $\sqrt{10}$ 2007 Deposit a magnet, in a white plastic case, at the base of the alum. post. Deposit the rebar and cap inside the alum. post. Set a steel fence post, with U.S.F.S. sign No. 54-9 attached, 2 ft. W. of the cor. From this cor. point, Cor. No. 4, Tract A, Amended HES 619, hereinbefore described, bears N. 53°52' E., 1.00 ch. dist. From this same cor. point, a rebar, 5/8 in. diam., firmly set, flush with ground, with affixed alum. cap, 2 ins. diam., mkd. N.E.S. LS 14671, bears N. 34°13' W., 8.5 lks. dist. This rebar was established by improper procedures and was not utilized in the course of this survey. S. 34°21' E., along line 10-6 of Amended HES 619. 1.96 Point for AP 3, of the metes-and-bounds survey in sec. 3, at intersection with the center line of Forest Highway No. 3. Set a standard railroad spike flush with the surface of asphalt. From this cor. point, the point of curvature, hereinbefore described, monumented with a 2 in. diam. alum. cap, set flush in concrete, damaged and unreadable, bears S. 27°46' E., 1.99 chs.

From this same cor. point, a point on the tangent, hereinbefore described, monumented with a 2 in. diam. alum. cap, set flush in damaged and unreadable, bears N. 27°46' W., concrete, 43.695 chs. dist.

15.33 Cor. No. 6 of Amended HES 619, hereinbefore described.

## Metes-and-Bounds Survey in Section 3, T. 20 N., R. 7 E., Gila and Salt River Meridian, Arizona

From AP 1, at the intersection of Forest Highway No. 3 and the line bet. secs. 3 and 10, hereinbefore described.

# Metes-and-Bounds Survey in Section 3, T. 20 N., R. 7 E., Gila and Salt River Meridian, Arizona

	T. 20 N., R. / E., Gila and Salt River Meridian, Arizona
CHAINS	
	Thence on line 1-2, along the arc of a circular curve to the right, having a central angle of 17°12'08", a radius of 3599.54 ft., on the center line of Forest Highway No. 3, the chord of said arc bears N. 51°53'36" W., 16.315 chs. dist.
16.37	AP 2, at intersection of line 6-7 of Tract B, Amended HES 619, hereinbefore described.
	From AP 3, at intersection with the center line of Forest Highway No. 3 and line 10-6 of Tract B, Amended HES 619, hereinbefore described.
	N. 27°46' W., on line 3-4, along the center line of Forest Highway No. 3.
6.36	AP 4, at intersection with line 4-5, Tract A, Amended HES619, hereinbefore described.
	From AP 5, at intersection with the center line of Forest Highway No. 3 and line 1-2 of Tract A, Amended HES 619, hereinbefore described.
	N. 27°46' W., on line 5-6, along the center line of Forest Highway No. 3.
4.16	AP 6, at the intersection of Forest Highway No. 3 and the line bet. secs. 3 and 4, hereinbefore described.
	GENERAL DESCRIPTION
	This survey is a portion of the Northern Arizona Land Exchange. It is located on the W. side of Lake Mary Road (Forest Highway No. 3), about 4 miles South of the Interstate 17 and Lake Mary Road junction.
	The terrain is generally rolling land with moderate Ponderosa Pine growth. The mean elevation is approximately 6900 feet above sea level.
	The mean magnetic declination of 11 1/2° E. was derived from the United States Geological Survey computer program GEOMAG, utilizing the World Magnetic Model for Epoch 2005 for the dates of survey.
	1

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

# FIELD ASSISTANTS

NAMES	CAPACITY
Joel A. Emert	Cadastral Surveyor
Benjamin Garcia	Surveying Technician (U.S.F.S.)

### CERTIFICATE OF SURVEY

I, Gordon R. Bubel, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 8th day of May, 2007, I have dependently resurveyed a portion of the Fifth Standard Parallel North (north boundary), a portion of the subdivisional lines and Amended HES 619, Tracts A and B, and performed a metes-and-bounds survey in section 3, T. 20 N., R. 7 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, 1973, and in specific manner described in the foregoing field notes.

SEPT 2, 2008

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Phoenix, Arizona

1)

The foregoing field notes of the dependent resurvey a portion of the Fifth Standard Parallel North (north boundary), a portion of the subdivisional lines and Amended HES 619, Tracts A and B, and a metes-and-bounds survey in section 3, T. 20 N., R. 7 E., Gila and Salt River Meridian, in the State of Arizona, executed by Gordon R. Bubel, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

3/9/2009	Slephen K. Hansen
(Date)	(Chief Cadastral Surveyor of Arizona)
CER	TIFICATE OF TRANSCRIPT
	g transcript of the field notes of the above N., B. 7 E., Gila and Salt River Meridian, original field notes.
(Date)	(Chief Cadastral Surveyor of Arizona)