

ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY,

TOWNSHIP 29 NORTH, RANGE 6 EAST,

AND THE DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES

AND THE SUBDIVISION OF SECTIONS 23 AND 26,

WHICH IS IDENTICAL TO THE BOUNDARY BETWEEN THE NAVAJO INDIAN RESERVATION

AND THE KAIBAB NATIONAL FOREST AND THE GRAND CANYON NATIONAL PARK,

TOWNSHIP 30 NORTH, RANGE 6 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA

EXECUTED BY

Jones Curtiss, Cadastral Surveyor

Under Special Instructions dated and approved February 10, 2009, which provided for the surveys included under Group No. 1059, and assignment instructions dated February 10, 2009.

Survey commenced April 15, 2009

Survey completed May 7, 2009

INDEX DIAGRAM

TOWNSHIP 30 NORTH RANGE 6 EAST
 Gila and Salt River Meridian, Arizona

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Tps. 29 and 30 N., R. 6 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the north boundary, Township 29 North, Range 6 East, and the dependent resurvey of a portion of the subdivisional lines and the subdivision of sections 23 and 26, which is identical to the boundary between the Navajo Indian Reservation and the Kaibab National Forest and the Grand Canyon National Park, Township 30 North, Range 6 East, Gila and Salt River Meridian, Arizona.

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

Dupree R. Averill surveyed portions of the east and north boundaries, Township 29 North, Range 6 East and a portion of subdivisional lines, Township 30 North, Range 6 East, in 1931. Clyde J. King dependently resurveyed portions of the subdivisional lines, Townships 29 and 30 North, Range 6 East in 1993. Jones Curtis dependently resurveyed the north boundary, Township 29 North, Range 7 East, concurrently under this same group.

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 February 10, 2009, for Group Number 1059, 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.

During this resurvey, monuments were recovered consisting of aluminum posts, 2 1/2 ins. diameter, set in concrete collars, at points on the lines between regular corners on the boundary between the Navajo Indian Reservation and the Grand Canyon National Park. The monuments are dated 1975. No record of their origin could be found.

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) FERNO MESA, FLAGSTAFF 5 and NAU FLAGSTAFF. The NAD83 (CORS96) (EPOCH:2002), geographic position of the southeast corner of the township is as follows:

Tps. 29 and 30 N., R. 6 E., Gila and Salt River Meridian, Arizona

CHAINS

Latitude: 35°56'02.81" N. Longitude: 111°41'25.16" W.

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

Dependent Resurvey of a Portion of the North Boundary,
T. 29 N., R. 6 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by
Dupree R. Averill, in 1931

Beginning at the cor. of Tps. 29 and 30 N., Rs. 6 and 7 E.,
monumented with an iron post, 3 ins. diam., firmly set flush
with the surface of the ground, with brass cap mkd. T30N R6E R7E
S36 S31 S1 S6 T29N 1931 2009.

Cor. is located 76 lks. S. of abandoned Arizona State Highway
64, with remains of asphalt pavement, 18 ft. wide, bears
N. 70° E. and S. 70° W.

N. 89°59' W., bet. secs. 1 and 36.

Over rugged and broken land, along the N. slope of Gray
Mountain.

2.30 Abandoned Arizona State Highway 64, remains of asphalt pavement,
18 ft. wide, bears N. 70° E. and S. 70° W.

40.02 The 1/4 sec. cor. of secs. 1 and 36, monumented with an iron
post, 1 in. diam., firmly set, projecting 13 ins. above ground
and in a supporting mound of stone, 3 ft. base, to top, with
brass cap mkd. 1/4 S36 S1 1931.

from which the remains of the orig. bearing trees

A piñon, 8 ins. diam., bears N. 76 1/2° E., 63 lks. dist.,
mkd. 1/4 S36 BT on open blaze. (Record: 61 lks.)

A root hole, bears S. 3 1/2° W., 1.01 chs. dist., with a
decayed forked piñon, lying alongside, 11 ins. diam.,
mkd. 1/4 S1 BT on open blaze. (Record: S. 2 1/2° W.)

Add the marks T30N R6E T29N 2009 to the brass cap.

N. 89°57' W., beginning new measurement.

Over rugged and broken land, along the N. slope of Gray
Mountain.

**Dependent Resurvey of a Portion of the North Boundary,
T. 29 N., R. 6 E., Gila and Salt River Meridian, Arizona**

CHAINS	
35.20	S. right-of-way fence of Arizona State Highway 64, barbed wire, 4 strand, parallels the highway.
37.07	Arizona State Highway 64, asphalt pavement, 68 ft. wide, bears N. 35° E. and S. 35° W.
38.92	N. right-of-way fence, of Arizona State Highway 64, barbed wire, 4 strand, parallels the highway.
40.01	<p>The cor. of secs. 1, 2, 35 and 36, monumented with an iron post, 2 ins. diam., firmly set, projecting 36 ins. above sandstone bedrock and in a supporting mound of stone, 3 ft. base, 2 ft. high, with brass cap mkd. T30N R6E S35 S36 S2 S1 T29N 1931.</p> <p>from which the remaining orig. bearing trees</p> <p style="padding-left: 40px;">A forked juniper, 24 ins. diam. at base, bears N. 47° E., 68 lks. dist., mkd. T30N R6E on partially healed blaze. (Record: N. 45 1/4° E., 70 lks.)</p> <p style="padding-left: 40px;">A piñon, 10 ins. diam., bears S. 41° W., 1.46 chs. dist., mkd. T29N R6E S2 BT on open blaze. (Record: 142 lks.)</p> <p style="padding-left: 40px;">A forked juniper, 15 ins. diam. at base, bears N. 13 1/4° W., 64 lks. dist., incorrectly mkd. T30N R6E S34 BT on open blaze. (Record: 67 lks.)</p> <p>Add the marks 2009 to the brass cap.</p> <p>Cor. is located 30 lks. E. of a wash, 10 ft. wide, 2 ft. deep, at the bottom of a canyon, drains North, and 18 lks. E. of the W. edge of a sandstone ledge, 30 ft. high, bears North and South.</p> <hr/> <p>S. 89°51' W., bet. secs. 2 and 35.</p> <p>Over rugged and broken land.</p>
40.03	<p>The 1/4 sec. cor. of secs. 2 and 35, monumented with an iron post, 1 in. diam., firmly set, projecting 20 ins. above ground and in a mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. 1/4 S35 S2 1931.</p> <p>from which the remains of the orig. bearing trees</p> <p style="padding-left: 40px;">A piñon, 10 ins. diam., bears S. 49 3/4° W., 33.5 lks. dist., mkd. 1/4 S2 BT on open blaze. (Record: S. 47° W., 38 lks.)</p>

**Dependent Resurvey of a Portion of the North Boundary,
T. 29 N., R. 6 E., Gila and Salt River Meridian, Arizona**

CHAINS

A root hole, bears N. $31\frac{3}{4}^{\circ}$ W., 37 lks. dist., with the remains of a dead piñon, 11 ins. diam., lying alongside, mkd. $\frac{1}{4}$ on open blaze. (Record: N. 36° W.)

Add the marks T30N R6E T29N 2009 to the brass cap.

Cor. is located at the base of a sandstone cliff, 16 ft. high, bears N. 50° E. and S. 50° W.

N. $89^{\circ}56'$ W., beginning new measurement.

Over rolling and broken land.

39.97

The cor. of secs. 2, 3, 34 and 35, monumented with an iron post, 2 ins. diam., firmly set, projecting 12 ins. above ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd. T30N R6E S34 S35 S3 S2 T29N 1993 1931.

from which the remaining orig. bearing trees

A piñon, 12 ins. diam., bears S. $23\frac{1}{2}^{\circ}$ E., 1.19 chs. dist., with healed blaze.

A piñon, 14 ins. diam., bears S. $26\frac{1}{2}^{\circ}$ W., 56 lks. dist., with illegible marks on partially healed blaze.

A forked piñon, bears N. $76\frac{1}{4}^{\circ}$ W., 39 lks. dist., the N. fork, 10 ins. diam., mkd. T30N R6E S34 BT on open blaze. (Record: N. $73\frac{1}{2}^{\circ}$ W.)

and the 1993 bearing tree

A dead piñon, 6 ins. diam., bears N. $20\frac{1}{4}^{\circ}$ E., 51 lks. dist., mkd. T30N R6E S35 BT on open blaze. (Record: N. 45° E., 66 lks.)

Add the marks 2009 to the brass cap.

Cor. is located along a barbed wire fence, 4 strand, bears North and South.

Dependent Resurvey of a Portion of the Subdivisional Lines
and the Subdivision of Sections 23 and 26,
which is identical to the boundary between
the Navajo Indian Reservation and the Kaibab National Forest,
T. 30 N., R. 6 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by
Dupree R. Averill, in 1931

Dependent Resurvey of a Portion of the Subdivisional Lines and the
 Subdivision of Sections 23 and 26, which is identical to the boundary
 between the Navajo Indian Reservation and the Kaibab National Forest,
 T. 30 N., R. 6 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., hereinbefore described.</p> <p>N. 0°03' W., bet. secs. 34 and 35.</p> <p>Over rugged and broken land.</p>
39.93	<p>The 1/4 sec. cor. of secs. 34 and 35, monumented with an iron post, 1 in. diam., firmly set, projecting 24 ins. above ground and in a supporting mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. 1/4 S34 S35 1931.</p> <p>from which the orig. bearing trees</p> <p style="padding-left: 40px;">A forked piñon, 12 ins. diam., bears S. 82° E., 1.62 chs. dist., mkd. 1/4 S35 BT on open blaze.</p> <p style="padding-left: 40px;">A piñon, 7 ins. diam., bears S. 43 1/2° W., 1.53 chs. dist., with healed blaze. (Record: 155 lks.)</p> <p>Add the marks T30N R6E 2009 to the brass cap.</p> <p>Cor. is located along a barbed wire fence, 4 strand, bears North and South.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0°01' W., beginning new measurement.</p> <p>Over rugged and broken land.</p>
40.00	<p>The cor. of secs. 26, 27, 34 and 35, monumented with an iron post, 2 ins. diam., firmly set, projecting 18 ins. above ground and in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd. T30N R6E S27 S26 S34 S35 1931.</p> <p>from which the orig. bearing trees</p> <p style="padding-left: 40px;">A piñon, 15 ins. diam., bears N. 40° E., 1.56 chs. dist., mkd. 30N R6E S26 BT on open blaze.</p> <p style="padding-left: 40px;">A dead piñon, 13 ins. diam., bears S. 53 1/4° E., 28 lks. dist., mkd. 0N R6E S35 BT on open blaze. (Record: S. 56° E.)</p> <p style="padding-left: 40px;">A piñon, 12 ins. diam., bears S. 28° W., 1.83 chs. dist., mkd. T30N R6E S34 on open blaze.</p> <p style="padding-left: 40px;">A piñon, 14 ins. diam., bears N. 24 1/2° W., 89 lks. dist., mkd. T30N R6E S27 BT on open blaze.</p> <p>Add the marks 2009 to the brass cap.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines and the
 Subdivision of Sections 23 and 26, which is identical to the boundary
 between the Navajo Indian Reservation and the Kaibab National Forest,
 T. 30 N., R. 6 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>Cor. is located along a barbed wire fence, 4 strand, bears North and South.</p> <hr/> <p>S. 89°58' E., bet. secs. 26 and 35.</p> <p>Over rolling land.</p> <p>39.86 The witness cor. to the 1/4 sec. cor. of secs. 26 and 35, monumented with an iron post, 1 in. diam., firmly set, projecting 36 ins. above ground and in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd. 1/4 S26 S35 WC 1931, with a Carsonite post, set nearby, with an attached metal tag mkd. U.S. Forest Service.</p> <p>Remark the brass cap to read</p> <div style="text-align: center;"> <p>WC</p> <p>T 30 N R 6 E</p> <p>S 26</p> <p>1/4 —————→</p> <p>S 35</p> <p>2009</p> <p>1931</p> </div> <p>Cor. is located on the rocky E. slope of a mesa.</p> <hr/> <p>S. 89°58' E., beginning new measurement.</p> <p>Over rugged and broken land.</p>
0.15	<p>True point for the 1/4 sec. cor. of secs. 26 and 35, at proportionate dist.; point falls on the steep rocky slope of a mesa, where its impracticable to establish a permanent monument.</p> <p>From this true point, the cor. of secs. 25, 26, 35 and 36, bears S. 89°58' E., 39.96 chs. dist., monumented with an iron post, 2 ins. diam., firmly set, projecting 24 ins. above ground and in a supporting mound of stone, 4 ft. base, 1 1/2 ft. high, with brass cap mkd. T30N R6E S26 S25 S35 S36 1931.</p> <p>from which the remaining orig. bearing trees</p> <p style="padding-left: 40px;">A dead piñon, 12 ins. diam., bears N. 47 1/2° E., 14 lks. dist., with illegible marks on open blaze. (Record: 15 lks.)</p> <p style="padding-left: 40px;">A piñon, 13 ins. diam., bears S. 36 1/2° E., 79 lks. dist., mkd. T30N R6E S36 BT on open blaze. (Record: S. 35 1/2° E.)</p>

Dependent Resurvey of a Portion of the Subdivisional Lines and the
 Subdivision of Sections 23 and 26, which is identical to the boundary
 between the Navajo Indian Reservation and the Kaibab National Forest,
 T. 30 N., R. 6 E., Gila and Salt River Meridian, Arizona

CHAINS	
	<p>A piñon, 14 ins. diam., bears N. 9 1/4° W., 1.33 chs. dist., mkd. T30N R6E S26 BT on open blaze. (Record: N. 10 1/2° W., 136 lks.)</p> <p>Add the marks 2009 to the brass cap.</p> <hr/>
79.94	<p>N. 0°02' E., on the N. and S. center line of sec. 26.</p> <p>Over rugged and broken land.</p> <p>The 1/4 sec. cor. of secs. 23 and 26, monumented with an iron post, 1 in. diam., firmly set, projecting 24 ins. above ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd. 1/4 S23 S26 1931, with a Carsonite post, set nearby, with an attached metal tag mkd. U.S. Forest Service.</p> <p>from which the remaining orig. bearing tree</p> <p>A dead forked piñon, 15 ins. diam. at base, bears S. 58° E., 70 lks. dist., mkd. 1/4 S26 BT on open blaze.</p> <p>Add the marks T30N R6E 2009 to the brass cap.</p> <hr/>
40.10	<p>N. 0°04' W., on the N. and S. center line of sec. 23.</p> <p>Over rugged and broken land.</p> <p>Navajo Route 6140, a graded road, 13 ft. wide, bears N. 85° E. and S. 85° W.</p>
80.03	<p>The 1/4 sec. cor. of secs. 14 and 23, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, encircled with an embedded collar of stone, 4 ft. base, with brass cap mkd. T30N R6E 1/4 S14 S23 1993.</p> <p>Add the marks 2009 to the brass cap.</p> <hr/>
	<p style="text-align: center;">Restoring the resurvey executed by Clyde J. King, in 1993</p> <hr/> <p>N. 89°53' W., bet. secs. 14 and 23.</p> <p>Over rugged and broken land.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines and the
 Subdivision of Sections 23 and 26, which is identical to the boundary
 between the Navajo Indian Reservation and the Kaibab National Forest,
 T. 30 N., R. 6 E., Gila and Salt River Meridian, Arizona

CHAINS	
39.91	<p>The cor. of secs. 14, 15, 22 and 23, monumented with an iron post, 2 ins. diam., firmly set, projecting 36 ins. above ground and in a supporting mound of stone, 4 ft. base, 2 ft. high, with brass cap mkd. T30N R6E S15 S14 S22 S23 1993 1931, with a Carsonite post, set nearby, with an attached metal tag mkd. U.S. Forest Service.</p> <p>from which the remaining orig. bearing trees</p> <p style="padding-left: 40px;">A dead piñon, 10 ins. diam., bears N. 23° E., 1.44 chs. dist., mkd. T30N R6E S14 BT on open blaze.</p> <p style="padding-left: 40px;">A juniper, 10 ins. diam., bears S. 28° W., 83.5 lks. dist., mkd. T30N R6E S22 BT on open blaze.</p> <p style="padding-left: 40px;">A dead piñon, 13 ins. diam., bears N. 71 1/2° W., 1.30 chs. dist., mkd. T30N R6E S15 BT on open blaze.</p> <p>and the 1993 bearing tree</p> <p style="padding-left: 40px;">A piñon, 11 ins. diam., bears S. 30 3/4° E., 79 lks. dist., mkd. T30N R6E S23 BT on open blaze. (Record: S. 34° E.)</p> <p>Add the marks 2009 to the brass cap.</p> <hr/> <p>N. 0°03' E., bet. secs. 14 and 15.</p> <p>Over rugged and broken land.</p>
40.01	<p>The 1/4 sec. cor. of secs. 14 and 15, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 18 ins. above ground and in a mound of stone, 3 ft. base, to top, with brass cap mkd. T30N R6E 1/4 S15 S14 1993, with a Carsonite post, set nearby, with an attached metal tag mkd. U.S. Forest Service.</p> <p>from which the remaining orig. bearing tree</p> <p style="padding-left: 40px;">A forked piñon, 11 ins. diam. at base, bears N. 14 1/4° W., 2.61 chs. dist., mkd. BT on partially healed blaze.</p> <p>and the 1993 bearing tree</p> <p style="padding-left: 40px;">A forked piñon, 9 ins. diam. at base, bears S. 73 3/4° W., 3.975 chs. dist., mkd. 1/4 S15 BT on open blaze.</p> <p>Add the marks 2009 to the brass cap.</p> <hr/> <p>North, beginning new measurement.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines and the
 Subdivision of Sections 23 and 26, which is identical to the boundary
 between the Navajo Indian Reservation and the Kaibab National Forest,
 T. 30 N., R. 6 E., Gila and Salt River Meridian, Arizona

CHAINS	
39.99	<p>Over rugged and broken land.</p> <p>The cor. of secs. 10, 11, 14 and 15, monumented with an iron post, 2 ins. diam., firmly set, projecting 18 ins. above ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd. T30N R6E S10 S11 S15 S14 1993 1931, with a Carsonite post, set nearby, with an attached metal tag mkd. U.S. Forest Service.</p> <p>from which the remains of the 1993 bearing trees</p> <p style="padding-left: 40px;">A root hole, bears S. 49 3/4° E., 2.36 chs. dist., with a dead piñon, 13 ins. diam., lying alongside, mkd. T30N R6E S14 BT on open blaze. (Record: S. 48 3/4° E., 241 lks.)</p> <p style="padding-left: 40px;">A piñon, 8 ins. diam., bears S. 25 3/4° W., 4.18 chs. dist., mkd. T30N R6E S15 BT on open blaze.</p> <p>Add the marks 2009 to the brass cap.</p> <hr/> <p style="text-align: center;">Restoring the survey executed by Dupree R. Averill, in 1931</p> <hr/> <p>West, bet. secs. 10 and 15.</p> <p>Over rugged and broken land.</p>
39.95	<p>The 1/4 sec. cor. of secs. 10 and 15, monumented with an iron post, 1 in. diam., firmly set, projecting 24 ins. above ground and in a supporting mound of stone, 5 ft. base, to top, with brass cap mkd. 1/4 S10 S15 1931, with a Carsonite post, set nearby, with an attached metal tag mkd. U.S. Forest Service.</p> <p>from which the remaining orig. bearing tree</p> <p style="padding-left: 40px;">A piñon, 8 ins. diam., bears N. 55 3/4° E., 53 lks. dist., with illegible marks on partially healed blaze. (Record: N. 65 1/2° E.)</p> <p>Add the marks T30N R6E 2009 to the brass cap.</p> <hr/> <p>N. 89°59' W., beginning new measurement.</p> <p>Over rugged and broken land.</p>
39.89	<p>The cor. of secs. 9, 10, 15 and 16, monumented with an iron post, 2 ins. diam., firmly set, projecting 6 ins. above ground, encircled with a collar of stone, 3 ft. base, with brass cap mkd. T30N R6E S9 S10 S16 S15 1931.</p> <p>from which the remains of the orig. bearing trees</p>

Dependent Resurvey of a Portion of the Subdivisional Lines and the
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CHAINS	
	<p>A root hole, bears N. 49 3/4° E., 1.16 chs. dist., with a dead piñon, 16 ins. diam., lying alongside, mkd. T30N R6E S10 BT on open blaze. (Record: 120 lks.)</p> <p>A forked juniper, 18 ins. diam. at base, bears S. 71 1/2° E., 1.81 chs. dist., mkd. T30N R6E S15 BT on open blaze.</p> <p>A piñon, 9 ins. diam., bears S. 58° W., 2.42 chs. dist., with illegible marks on partially healed blaze. (Record: 213 lks.)</p> <p>A root hole, bears N. 57° W., 2.52 chs. dist., with a dead piñon, 8 ins. diam., lying alongside, with illegible marks on open blaze. (Record: 304 lks.)</p> <p>Add the marks 2009 to the brass cap.</p> <hr/>
39.98	<p>N. 0°03' W., bet. secs. 9 and 10.</p> <p>Over rugged and broken land.</p> <p>The 1/4 sec. cor. of secs. 9 and 10, monumented with an iron post, 1 in. diam., firmly set, projecting 24 ins. above ground and in a mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. T30N R6E 1/4 S9 S10 1993 1931, with a Carsonite post, set nearby, with an attached metal tag mkd. U.S. Forest Service.</p> <p>from which the remaining orig. bearing tree</p> <p>A forked piñon, 12 ins. diam. at base, bears N. 36 1/2° E., 1.13 chs. dist., mkd. 1/4 S10 BT on open blaze.</p> <p>and the 1993 bearing tree</p> <p>A piñon, 8 ins. diam., bears S. 45 1/2° W., 71 lks. dist., mkd. 1/4 S9 BT on open blaze.</p> <p>Add the marks 2009 to the brass cap.</p> <hr/> <p style="text-align: center;">Restoring the resurvey executed by Clyde J. King, in 1993</p> <hr/> <p>N. 0°03' W., beginning new measurement.</p> <p>Over rugged and broken land.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines and the
 Subdivision of Sections 23 and 26, which is identical to the boundary
 between the Navajo Indian Reservation and the Kaibab National Forest,
 T. 30 N., R. 6 E., Gila and Salt River Meridian, Arizona

CHAINS	
39.97	<p>The cor. of secs. 3, 4, 9 and 10, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 24 ins. above ground and in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd. T30N R6E S4 S3 S9 S10 1993.</p> <p>from which the remaining orig. bearing tree</p> <p style="padding-left: 40px;">A dead piñon, 12 ins. diam., bears S. 79° E., 1.41 chs. dist., mkd. T30N R6E S10 BT on open blaze.</p> <p>and the 1993 bearing trees</p> <p style="padding-left: 40px;">A piñon, 5 ins. diam., bears N. 72 1/4° E., 1.445 lks. dist., mkd. X at breast height and BT at base on open blaze. (Record: 146 lks.)</p> <p style="padding-left: 40px;">A piñon, 6 ins. diam., bears S. 70 1/2° W., 1.355 chs. dist., mkd. T30N R6E S9 BT on open blaze.</p> <p style="padding-left: 40px;">A dead piñon, 6 ins. diam., bears N. 26° W., 74.5 lks. dist., mkd. X at breast height and BT at base on open blazes. (Record: 73.5 lks.)</p> <p>Add the marks 2009 to the brass cap.</p> <hr/> <p>N. 89°41' W., bet. secs. 4 and 9.</p> <p>Over rugged and broken land.</p>
39.88	<p>The 1/4 sec. cor. of secs. 4 and 9, monumented with an iron post, 1 in. diam., firmly set, projecting 24 ins. above ground and in a supporting mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap turned 180° and mkd. T30N R6E 1/4 S4 S9 1993 1931.</p> <p>from which the remains of the orig. bearing trees</p> <p style="padding-left: 40px;">A juniper stump, 16 ins. diam., bears S. 39 1/4° E., 79 lks. dist., mkd. S9 BT on open blaze. (Record: S. 38 1/2° E.)</p> <p style="padding-left: 40px;">A piñon, 8 ins. diam., bears N. 43 1/2° W., 2.72 chs. dist., mkd. 1/4 S4 BT on open blaze. (Record: 270.5 lks.)</p> <p>and the 1993 bearing tree</p> <p style="padding-left: 40px;">A piñon, 7 ins. diam., bears S. 62° W., 1.225 chs. dist., incorrectly mkd. 1/4 S4 BT on open blaze.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines and the
Subdivision of Sections 23 and 26, which is identical to the boundary
between the Navajo Indian Reservation and the Kaibab National Forest,
T. 30 N., R. 6 E., Gila and Salt River Meridian, Arizona

CHAINS

Add the marks 2009 to the brass cap.

Restoring the survey executed by
Dupree R. Averill, in 1931

N. 89°40' W., beginning new measurement.

Over rugged and broken land.

42.89

The cor. of secs. 4, 5, 8 and 9, monumented with an iron post, 2 ins. diam., firmly set, projecting 24 ins. above ground and in a concrete collar, 6 ins. square, in a supporting mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. T30N R6E S5 S4 S8 S9 1927, with a steel fence post, set nearby, with an attached metal tag mkd. U.S. Forest Service.

from which the orig. bearing trees

A forked juniper, 10 ins. diam. at base, bears
N. 41 1/2° E., 50.5 lks. dist., mkd. T30N R6E S4 BT on
open blaze. (Record: N. 42 1/2° E., 40 lks.)

A forked juniper, 11 ins. diam. at base, bears S. 12° E.,
72 lks. dist., mkd. T30N R6E S9 BT on open blaze.

A forked juniper, bears S. 24° W., 58 lks. dist., the
N. fork, 8 ins. diam., mkd. T30N R6E S8 BT on open blaze.

A juniper, 10 ins. diam., bears N. 2 1/2° W., 63 lks.
dist., mkd. T30N R6E S5 on open blaze.

Add the marks 2009 to the brass cap.

Cor. is located at the intersection of 3 barbed wire fences,
4 strand, bears North, S. 35° E. and West.

Dependent Resurvey of a Portion of the Subdivisional Lines,
which is identical to the boundary between the
Navajo Indian Reservation and the Grand Canyon National Park,
T. 30 N., R. 6 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by
Benjamin J. Kinsey in 1927

From the cor. of secs. 4, 5, 8 and 9, hereinbefore described.

N. 0°03' W., bet. secs. 4 and 5.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
which is identical to the boundary between the
Navajo Indian Reservation and the Grand Canyon National Park,
T. 30 N., R. 6 E., Gila and Salt River Meridian, Arizona**

CHAINS	
	Over rugged and broken land.
8.93	An aluminum post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above ground and in a concrete collar, 6 ins. square, projecting 9 ins. above ground, of unknown record, with aluminum cap mkd. U.S. DEPT. OF INTERIOR A 1 N.P.S. 1975. Cor. is located 6 lks. E. of a woven wire fence, with 2 strands of barbed wire, bears North and South.
17.21	An aluminum post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above ground and in a concrete collar, 6 ins. square, projecting 5 ins. above ground, of unknown record, with aluminum cap mkd. U.S. DEPT. OF INTERIOR A 2 N.P.S. 1975. Cor. is located 4 lks. E. of a woven wire fence, with 2 strands of barbed wire, bears North and South.
39.90	The 1/4 sec. cor. of secs. 4 and 5, monumented with an iron post, 1 in. diam., firmly set, projecting 24 ins. above ground and in a mound of stone, 3 ft. base, 1 1/2 ft. high, with brass cap mkd. 1/4 S5 S4 1927. from which the orig. bearing trees A forked piñon, 12 ins. diam. at base, bears S. 50° E., 50 lks. dist., mkd. 1/4 S4 BT on open blaze. A piñon, 12 ins. diam., bears S. 7° W., 41 lks. dist., mkd. 1/4 S5 BT on open blaze. Add the marks T30N R6E 2009 to the brass cap. <hr style="width: 20%; margin: 10px auto;"/> N. 0°03' W., beginning new measurement. Over rugged and broken land.
3.94	An aluminum post, 2 1/2 ins. diam., firmly set, projecting 15 ins. above ground and in a concrete collar, 6 ins. square, projecting 5 ins. above ground, of unknown record, with aluminum cap mkd. U.S. DEPT. OF INTERIOR A 3 N.P.S. 1975. Cor. is located 3 lks. E. of a woven wire fence, with 2 strands of barbed wire, bears North and South.
17.64	An aluminum post, 2 1/2 ins. diam., firmly set, projecting 16 ins. above ground and in a concrete collar, 6 ins. square, projecting 6 ins. above ground, encircled with a collar of stone, of unknown record, with aluminum cap mkd. U.S. DEPT. OF INTERIOR A 4 N.P.S. 1975.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
which is identical to the boundary between the
Navajo Indian Reservation and the Grand Canyon National Park,
T. 30 N., R. 6 E., Gila and Salt River Meridian, Arizona**

CHAINS	<p>Cor. is located 3 lks. E. of a woven wire fence, with 2 strands of barbed wire, bears North and South.</p>
40.04	<p>The cor. of secs. 4, 5, 32 and 33, on the N. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 18 ins. above ground and in a supporting mound of stone, 3 ft. base, to top, with brass cap mkd. T31N R6E S32 S33 S5 S4 T30N 1927.</p> <p>from which the remaining orig. bearing trees</p> <p style="padding-left: 40px;">A badly decayed piñon stump, 8 ins. diam., 30 ins. high, bears N. 8 1/2° E., 57.5 lks. dist., with illegible marks on open blaze. (Record: 41 lks.)</p> <p style="padding-left: 40px;">A dead forked piñon, bears S. 65° E., 44.5 lks. dist., the W. fork, 6 ins. diam., mkd. T30N R6E S on open blaze. (Record: 43 lks.)</p> <p style="padding-left: 40px;">A piñon, 6 ins. diam., bears S. 37° W., 1.39 chs. dist., with illegible marks on partially healed blaze.</p> <p>Add the marks 2009 to the brass cap.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <hr/> <p>The area surveyed is approximately 18 miles northwest of Cameron, Arizona. The terrain is rugged, with broken and rocky canyons along the Coconino Rim mesa and Upper Basin plateau. The drainage is easterly to northeasterly; Lee Canyon being the main drainage.</p> <p>The elevation varies from 5500 to 6500 feet above sea level. The soil is mostly sandy clay, with sandstone and limestone outcrops. The timber is mostly piñon and juniper with the undergrowth consisting of cacti, greasewood, mesquite and native grasses.</p> <p>Principal access to the area is by Arizona State Highway 64, which runs along the south boundary and then extends northwesterly through the area. From this highway, Navajo Route 6140 branches off and extends northeasterly into the reservation. There are several livestock grazing areas. There is no mining activity in the township.</p> <p>The mean magnetic declination of 11 1/2° E. was derived from the computer program GEOMAGIX, utilizing the World Magnetic Model for Epoch 2005 for the dates of survey.</p> <hr/>

CERTIFICATE OF SURVEY

I, Jones Curtiss, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 10th day of February, 2009, I have dependently resurveyed a portion of the north boundary, T. 29 N., R. 6 E., and dependently resurveyed a portion of the subdivisional lines and the subdivision of sections 23 and 26, which is identical to the boundary between the Navajo Indian Reservation and the Kaibab National Forest and the Grand Canyon National Park, T. 30 N., R. 6 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.

September 17, 2009
(Date)

Jones Curtiss
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the north boundary, T. 29 N., R. 6 E., and the dependent resurvey of a portion of the subdivisional lines and the subdivision of sections 23 and 26, which is identical to the boundary between the Navajo Indian Reservation and the Kaibab National Forest and the Grand Canyon National Park, T. 30 N., R. 6 E., Gila and Salt River Meridian, in the State of Arizona, executed by Jones Curtiss, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

11/3/2009
(Date)

Paul J. Moss
Acting (Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY That the foregoing transcript of the field notes of the above described surveys in Tps. 29 and 30 N., R. 6 E., Gila and Salt River Meridian, Arizona, is a true copy of the original field notes.~~

~~_____
(Date)~~

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