**ORIGINAL** 

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE WEST BOUNDARY

AND A PORTION OF THE BOUNDARY OF

MANAGEMENT DISTRICT NO. 6, HOPI INDIAN RESERVATION,

AND THE SURVEY OF

A PORTION OF THE FIFTH GUIDE MERIDIAN EAST (EAST BOUNDARY),

AND THE SUBDIVISIONAL LINES

TOWNSHIP 29 NORTH, RANGE 20 EAST,

OF THE GILA AND SALT RIVER MERIDIAN,

IN THE STATE OF ARIZONA.

#### **EXECUTED BY**

#### Craig S. Dukart, Cadastral Surveyor

Under Special Instructions dated June 30, 2009, approved June 30, 2009, which provided for the surveys included under Group No. 1066, and assignment instructions dated June 30, 2009.

Survey commenced July 6, 2009

Survey completed September 08, 2009

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#### T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of the west boundary, and a portion of the boundary of Management District Number 6, Hopi Indian Reservation and the survey of a portion of the Fifth Guide Meridian East (east boundary) and the subdivisional lines, Township 29 North, Range 20 East, Gila and Salt River Meridian, Arizona.

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

The east and north boundaries of Township 29 North, Range 19 East, Gila and Salt River Meridian, were surveyed by Sidney E. Blout, United States Examiner of Surveys, in 1909.

The Boundary Management District No. 6, Hopi Indian Reservation, was surveyed by Leonard W. Murphy and Wallace R. Ott, Cadastral Surveyors, in 1963-64.

The Seventh Standard Parallel North through Range 20 East (north boundary), Township 28 North, Range 20 East, Gila and Salt River Meridian, was surveyed by Stephen K. Hansen, Cadastral Surveyor, in 2000.

The south boundary and a portion of Management District No. 6, Hopi Indian Reservation, Township 30 North, Range 20 East, were surveyed by Joe R. Salazar, Cadastral Surveyor, in 2008.

The survey was executed in accordance with the specifications as set forth in the  $\underline{\text{Manual of Instructions for the Survey of the}}$   $\underline{\text{Public Lands of the United States, 1973}}$ , and the Special Instructions dated June 30, 2009, for Group Number 1066, Arizona.

The true meridian direction and length of all lines were determined by real time kinematic global positioning system observations using Trimble Navigation 5800 model receivers.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Geodetic control was derived from Global Positioning System (GPS) static observations post processed by National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) NAU FLAGSTAFF, SPIDERROCKAZ2005 and CITY OF PAGE. The NAD 83 (CORS96) (EPOCH: 2002.0000), geographic position of the standard corner of Townships 29 North, Ranges 20 and 21 East, is as follows:

Latitude: 35°52'02.96" N. Longitude: 110°08'08.01" W.

#### T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS

The mean magnetic declination is 11° E.

### Dependent Resurvey of the West Boundary, T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by Sidney E. Blout, in 1909

Beginning at the stan. cor. of Tps. 29 N., Rgs. 19 and 20 E., monumented with an iron post, 3 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd. SC T29N R19E R20E S36 S31 2000, from which the orig. bearing trees

- A dead and down piñon pine, 10 ins. diam., bears N. 47  $1/4^{\circ}$  E., 1.57 chs. dist., with scribe marks T29N R20 BT visible on an open, weathered blaze. (Record: N. 46° E., 160 lks.)
- A juniper, 11 ins. diam., bears N. 4 1/2° W., 47.5 lks. dist., with scribe marks T29N R19E S36 BT visible on partially open blaze. (Record: N. 5 1/2° W., 45 lks.)

Add the marks 2009 to the brass cap.

N. 0°01' W., bet. secs. 31 and 36, on the W. bdy. of the Tp.

Over gently rolling terrain across mesa top, through scattered juniper and pine trees and native grasses.

- 38.80 | South bank of wash, 3 ft. high, bears N. 50° E. and N. 75° W.
- 40.005 True point for the 1/4 sec. cor. of secs. 31 and 36, determined at proportionate dist., not originally monumented due to it falling in dry wash.
- 40.40 North bank of wash, 4 ft. high, bears N. 50° E. and N. 10° W.
- The witness cor. for the 1/4 sec. cor. of secs. 31 and 36, monumented with an iron post, 1 in. diam., firmly set, projecting 15 ins. above the ground, with brass cap mkd. WC S36 S31 1/4 1908, from which the orig. bearing trees
  - A juniper, 20 ins. diam., bears N. 60 1/4° E., 55.5 lks. dist., with scribe marks WC 1/4 S31 BT visible on partially open blaze. (Record: N. 63 3/4° E., 58 lks.)
  - A pine, 15 ins. diam., bears S. 12 1/2° W., 1.93 chs. dist., with scribe marks WC 1/4 S36 BT visible on partially open blaze.

CHAINS

Build a supporting mound of sandstone, 3 ft. base to brass cap.

Add marks to the brass cap to now read as shown

N. 0°05' E., beginning new measurement.

4.60 Top rim of mesa, bears S. 35° E. and N. 20° W.; descend precipitous slope of mesa, transitioning into rolling terrain.

The cor. of secs. 25, 30, 31 and 36, monumented with an iron post, 3 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. T29N R19E R20E S25 S30 S36 S31, from which the orig. bearing trees

- A stump, 11 ins. diam., 24 ins. high, bears S. 66 1/2° E., 2.125 chs. dist., with no evidence of a blaze. (Record: 2.14 chs.)
- A dead juniper, 17 ins. diam., bears S. 11 1/2° W., 1.09 chs. dist., with scribe marks BT visible on partially open blaze.
- A juniper, 18 ins. diam., bears N. 37 1/2° W., 1.11 chs. dist., with scribe marks T20N R19E S25 BT visible on partially open, weathered blaze. (Record: 1.12 chs.)

Add the marks 2009 to the brass cap.

N.  $0^{\circ}02$ ' E., bet. secs. 25 and 30.

Over rolling terrain, through scattered juniper and pine trees, and sparse native grasses.

39.98 The 1/4 sec. cor. of secs. 25 and 30, monumented with an iron post, 1 in. diam., firmly set, projecting 9 ins. above the ground, with brass cap mkd. S25 1/4 S30 1908, from which an orig. bearing tree

CHAINS

A juniper, 12 ins. diam., bears S. 65 1/4° W., 80 lks. dist., with scribe marks 1/4 S25 BT visible on partially open blaze. (Record: S. 64 1/2° W., 77 lks.)

Add marks to the brass cap to now read as shown

N. 0°02' E., beginning new measurement.

39.895

The cor. of secs. 19, 24, 25 and 30, monumented with an iron post, 3 ins. diam., firmly set, projecting 22 ins. above the ground, leaning to the SW, with brass cap mkd. T29N R19E R20E S24 S19 S25 S30, from which the orig. bearing trees

- A juniper, 18 ins. diam., bears N. 87 1/4° E., 52 lks. dist., with possible scribe marks visible on partially open, weathered blaze.
- A juniper, 12 ins. diam., bears S. 9 1/2° W., 71 lks. dist., with no evident blaze. (Record: S. 8 3/4° W., 75 lks.)
- A juniper, 10 ins. diam., bears N. 67  $1/2^{\circ}$  W., 82.5 lks. dist. with scribe marks 29N R19E S24 BT visible on partially open blaze. (Record: 80 lks.)

There is no remaining evidence of the orig. mound of earth, or the pit in sec. 30.

Reset the orig. iron post, 30 ins. in the ground, and add the marks 2009 to the brass cap.

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

N. 0°01' W., bet. secs. 19 and 24.

Over rolling terrain, through scattered juniper and piñon pine trees and native grasses.

### Dependent Resurvey of the West Boundary,

	Dependent Resurvey of the West Boundary, T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
39.935	The 1/4 sec. cor. of secs. 19 and 24, monumented with an iron post, 1 in. diam., firmly set, 2 ins. below the ground, with brass cap mkd. S24 1/4 S19 1908, with no evidence of the orig. mound of earth or pits.
	Add marks to the brass cap to now read as shown
	T 29 N R 19 E   R 20 E S 24   S 19 1
	2009 1908 ————————————————————————————————————
	North, beginning new measurement.
40.025	The cor. of secs. 13, 18, 19 and 24, monumented with an iron post, 3 ins. diam., firmly set, projecting 16 ins. above the ground, leaning to the E., with brass cap mkd. T29N R19E R20E S13 S18 S24 S19, oriented to the E., with no evidence of the orig. mound of earth or pits.
	Reset the orig. iron post, 31 ins. in the ground, and add the marks 2009 to the brass cap.
	Deposit a steel bolt, 10 ins. long, at the base of the orig. iron post.
	North, bet. secs. 13 and 18.
	Over gently rolling terrain, through native grasses.
14.55	Graded road, 36 ft. wide, bears N. 52° E. and S. 52° W.
40.01	The 1/4 sec. cor. of secs. 13 and 18, monumented with the rusted remains of an iron post, 1 in. diam., 20 ins. long, in 6 pieces, with no evidence of the orig. mound of earth or pits.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

CHAINS	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
	T 29 N R 19 E R 20 E
	1/4 S 13   S 18
	2009
	from which
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 25 ins. in the ground for a reference monument, bears S. 45°03' E., 100.0 ft. dist., with brass cap mkd. RM T29N R20E S18 100.0 FT TO COR 2009 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground for a reference monument, bears S. 44°58' W., 100.0 ft. dist., with brass cap mkd. RM T29N R19E S13 100.0 FT TO COR 2009 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Deposit a magnet, in a white plastic case, and the 6 pieces of the orig. iron post, at the base of the stainless steel post.
	N. 0°01' W., beginning new measurement.
0.50	South bank of the Polacca Wash, 15 ft. high, bears E. and W.
1.20	Polacca wash, 60 ft. wide, 3 ft. deep, drains S. 35° W.
5.75	Polacca wash, 66 ft. wide, 3 ft. deep, drains S. 35° E.
22.95	Polacca wash, 36 ft. wide, 3 ft. deep, drains S. 65° W.
39.60	Wash, 35 ft. wide, 8 ft. deep, drains S. 25° E.
40.005	The cor. of secs. 7, 12, 13 and 18, monumented with an iron post, 3 ins. diam., firmly set, 5 ins. below ground, with brass cap mkd. T29N R19E R20E S12 S7 S13 S18, with no evidence of the orig. mound of earth or pits.
	Add the marks 2009 to the brass cap.
	N. 0°02' W., bet. secs. 7 and 12.
	Over rolling terrain, through native grasses; transitioning into precipitous ascent of mesa.

CHAINS	
23.95	Top rim of mesa, bears N. 75° E. and S. 75° W.; continue over rolling terrain of mesa top.
39.98	Point for the 1/4 sec. cor. of secs. 7 and 12, at proportionate dist.; there is no remaining evidence of the orig. cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 29 N R 19 E 1/4 R 20 E
	S 12   S 7
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
47.65	Top rim of mesa, bears S. 55° E. and N. 55° W.; descend precipitous slope of mesa, transitioning into rolling terrain.
79.96	The cor. of secs. 1, 6, 7 and 12, monumented with an iron post, 3 ins. diam., firmly set, projecting 5 ins. above the ground, with brass cap mkd. T29N R19E R20E S1 S6 S12 S7, with a down and dead tree, with no scribe marks visible on a weathered blaze. There is no evidence of the stump hole. There is no evidence of the orig. mound of earth or pits.
	Add the marks 2009 to the brass cap.
	North, bet. secs. 1 and 6.
	Over rolling terrain, through native grasses.
1.30	Wash, 12 ft. wide, 8 ft. deep, drains S. 85° E.; continue over rolling terrain, transitioning into steep ascent of mesa.
33.40	Top rim of mesa, bears S. 70° E. and N. 70° W.; continue over gently rolling terrain of mesa top, through scattered juniper and pine, with sage brush and native grasses.
39.825	The 1/4 sec. cor. of secs. 1 and 6, monumented with an iron post, 1 in. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd. S1 1/4 S6 1908, from which the remains of an orig. bearing tree
	A dead pine, 7 ins. diam., bears S. 72 1/4° E., 55 lks. dist., with scribe marks 1/4 S6 BT visible on partially open blaze.
	Add marks to the brass cap to now read as shown

CHAINS	
	T 29 N R 19 E   R 20 E S 1   S 6  1   -   4   2009
:	1908
	N. 0°05' E., beginning new measurement.  Over gently rolling terrain of the mesa top, through scattered
	juniper and pine, with native grasses.
39.98	The cor. of Tps. 29 and 30 N., Rgs. 19 and 20 E., monumented with an iron post, 3 ins. diam., firmly set, projecting 5 ins. above the ground, with brass cap mkd. T30N R19E R20E S36 S31 S1 S6 R19E R20E T29N 2008, with no remaining evidence of the orig. mound of earth or pits.
	Add the marks 2009 to the brass cap.
	Dependent Resurvey of a Portion of the Boundary of Management District No. 6, Hopi Indian Reservation, T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona  Restoring the survey executed by
	Leonard W. Murphy and Wallace R. Ott, in 1963 and 1964
	From the point for the 54th mile cor., determined at proportionate dist., by grant boundary method, in the 2008 Dependent Resurvey of a portion of the boundary of Management District No. 6, Hopi Reservation in T. 30 N., R. 20 E., there is no remaining evidence of the orig. cor., not remonumented.
	S. 54°03' E., on the 55th mile, along a 5 strand barbed wire fence line.
30.80	West bank of wash, 13 ft. high, bears N. 40° E. and S. 10° E.
32.85	East bank of wash, 13 ft. high, bears N. 45° E. and S. 45° W.
40.01	The 54 1/2 mile cor., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above the ground, with brass cap mkd. MP54 1/2 HOPI 2008 1964.
	Add marks to the brass cap to now read as shown

	T. 29 N., R. 20 E., Glia and Salt River Meridian, Arizona
CHAINS	
	m 20 M P 20 P
	T 29 N R 20 E
	MP54 1/2 S4
	HOPI
	2009 2008
	1964
	S. 54°03' E., continuing on the 55th mile, along a 5 strand barbed wire fence line.
22.80	West bank of Polacca Wash, 15 ft. high, bears N. 65° E. and S. 75° W.
24.70	Polacca Wash, 60 ft. wide, 3 ft. deep, drains N. 80° W.
26.25	East bank of Polacca Wash, 30 ft. high, bears N. 75° E. and W.
32.13	Intersect the line bet. secs. 3 and 4, not monumented.
	From this point, the 1/4 sec. cor. of secs. 3 and 4, bears N. 0°02' W., 3.205 chs. dist., hereinafter described.
	From this same point, the cor. of secs. 3, 4, 9 and 10, bears S. 0°02' E., 36.795 chs. dist., hereinafter descibed.
39.995	The 55th mile cor., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 7 ins. above the ground, with brass cap mkd. MP55 HOPI 1964.
- -	Add marks to the brass cap to now read as shown
	T 29 N R 20 E
	MP55
	S3
	HOPI
	1964 2009
	S. $54^{\circ}02'$ E., on the 56th mile, along a 5 strand barbed wire fence line.
22.605	Point for the witness point, determined at proportionate distance, by grant boundary method, there is no remaining evidence of the orig. cor., not remonumented.

07:12.72.7	T. 29 N., R. 20 E., Gila and Sait River Meridian, Arizona
CHAINS	
40.01	The 55 1/2 mile cor., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd. MP55 1/2 HOPI 1964.
	Add marks to the brass cap to now read as shown
	T 29 N R 20 E
	S3 MP55 1/2
	HOPI
	1964 2009
	S. 54°03' E., continuing on the 56th mile, along a 5 strand barbed wire fence line.
14.79	Intersect the line bet. secs. 3 and 10, not monumented.
	From this point, the 1/4 sec. cor. of secs. 3 and 10, bears West, 10.71 chs. dist., hereinafter described.
	From this same point, the cor. of secs. 2, 3, 10 and 11, bears East, 29.29 chs. dist., hereinafter descibed.
40.00	The 56 mile cor., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd. MP56 HOPI 1964.
	Add marks to the brass cap to now read as shown
	T 29 N R 20 E
	MP56
	S10
	HOPI
	2009 1964
	S. 54°02' E., on the 57th mile, along a 5 strand barbed wire fence line.
8.60	Point for Angle Point 133, determined at proportionate distance, by grant boundary method, not originally set.
	S. 54°08' E., continuing on the 57th mile, along a 5 strand barbed wire fence line.
2.385	Intersect the line bet. secs. 10 and 11, not monumented.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	From this point, the $1/4$ sec. cor. of secs. 10 and 11, bears S. $0^{\circ}01'$ E., $18.76$ chs. dist., hereinafter described.
	From this same point, the cor. of secs. 2, 3, 10 and 11, bears N. 0°01' W., 21.24 chs. dist., hereinafter descibed.
31.395	The 56 1/2 mile cor., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd. MP56 1/2 HOPI 1964.
	Add marks to the brass cap to now read as shown
	T 29 N R 20 E
	NUTS 6 4 10
	MP56 1/2 S11
	HOPI
	1964 2009
	S. 54°08' E., continuing on the 57th mile.
34.62	Point for Angle Point 134, determined at proportionate distance, by grant boundary method, not originally set.
	S. 53°55' E., continuing on the 57th mile.
5.405	The 57 mile cor., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 12 ins. above a mound of sandstone, 3 ft. base, 2 ft. high, with brass cap mkd. MP57 HOPI 1964.
	Add marks to the brass cap to now read as shown
	T 29 N
	R 20 E S11
	MP57
	HOPI
	1964 2009
	S. 53°56' E., on the 58th mile.
29.80	Intersect the line bet. secs. 11 and 12, not monumented.
	From this point, the cor. of secs. 11, 12, 13 and 14, bears S. 0°01' E., 0.76 chs. dist., hereinafter descibed.

CHAINS	
	From this same point the 1/4 sec. cor. of secs. 11 and 12, bears N. 0°01' W., 39.24 chs. dist., hereinafter described.
31.085	Intersect the line bet. secs. 12 and 13, not monumented.
	From this point, the cor. of secs. 11, 12, 13 and 14, bears West, 1.04 chs. dist., hereinafter described.
	From this same point the 1/4 sec. cor. of secs. 12 and 13, bears East, 38.96 chs. dist., hereinafter described.
	S. 53°56' E., continuing on the 58th mile.
39.91	The witness cor. to the 57 1/2 mile cor., monumented with a brass tablet, 3 1/4 ins. diam., firmly set in a sandstone boulder, 15 x 10 ft., 10 ft. high, with brass cap mkd. MP57 1/2 WC HOPI 1964.
	Add marks to the brass cap to now read as shown
	T 29 N R 20 E
	S13 MP57 1/2 WC
	HOPI
	2009 1964
	S. 53°54' E., continuing on the 58th mile.
0.06	True point for the 57 1/2 mile cor., falls on edge of boulder where the point cannot be monumented.
	S. 53°54' E., continuing on the 58th mile.
17.77	Point for Angle Point 135, determined at proportionate distance,
	by grant boundary method, not originally set.
	S. 54°02' E., continuing on the 58th mile.
22.275	The 58 mile cor., determined at distance/distance intersection from the orig. bearing trees
	A juniper, 8 ins. diam., bears S. 27 1/4° W., 52 lks. dist., with scribe marks MP58 BT visible on partially open blaze. (Record: S. 26° W.)
	A juniper, 8 ins. diam., bears S. 71 3/4° W., 52 lks. dist., with scribe marks MP58 BT visible on partially open blaze. (Record: S. 71° W.)

CHAINS	T. 29 N., R. 20 E., Gila and Sait River Meridian, Arizona
	Not remonumented.
	S. 54°05' E., on the 59th mile, along a 5 strand barbed wire fence line.
14.10	W. edge of ravine, bears N. 75° E. and S. 75° W.
19.00	E. edge of ravine, bears S. 55° E. and S. 85° W.
39.99	The 58 1/2 mile cor., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 11 ins. above ground, with brass cap mkd. MP58 1/2 HOPI 1964, from which the remains of one of the orig. bearing trees
	A dead and down tree, 6 ins. diam., no evidence of it's orig. position, with scribe marks MP BT visible on partially open blaze.
	Add marks to the brass cap to now read as shown
	T 29 N R 20 E
	S13 MP58 1/2
	HOPI
	1964 2009
	S. $54^{\circ}06'$ E., continuing on the 59th mile, along a 5 strand barbed wire fence line.
7.85	Point for Angle Point 136, determined at proportionate distance, by grant boundary method, not originally set.
	S. 53°58' E., continuing on the 59th mile, along a 5 strand barbed wire fence line.
0.81	Intersect the line bet. secs. 13 and 18, not monumented.
	From this point, the cor. of secs. 13, 18, 19 and 24, bears South, 22.685 chs. dist., hereinafter descibed.
	From this same point, the 1/4 sec. cor. of secs. 13 and 18, bears North, 17.315 chs. dist., hereinafter described.
	Continuing on the 59th mile, along a 5 strand barbed wire fence line.
18.005	Point for Angle Point 137, determined at proportionate distance, by grant boundary method, not originally set.

#### CHAINS

From this point, the 59 1/2 mile cor., bears S. 54°13' E., 54.16 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 13 ins. above ground, with brass cap mkd. MP59 1/2 HOPI 1964.

Add the marks 2009 to the brass cap.

These control lines were fully retraced and careful search was made for evidence of intervening cors., none of which was recovered.

### Survey of the Fifth Guide Meridian East (E. Bdy.), T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona

From the stan. cor. of Tps. 29 N., Rgs. 20 and 21 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd. SC T29N R20E R21E S36 S31 2000.

Add the marks 2009 to the brass cap, and raise a mound of stone, 2 1/2 ft. base, 2 1/2 ft. high, N. of the cor.

North, bet. secs. 31 and 36, on the E. bdy. of the Tp.

Over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.

- 31.65 Top rim of mesa, bears S. 30° E. and N. 30° W.; descend precipitous slope, transitioning into gently rolling terrain.
- 39.40 | Cienega Canyon wash, 90 ft. wide, 6 ft. deep, drains N. 65° W.
- 40.00 Point for the 1/4 sec. cor. of secs. 31 and 36, falls in Cienega Canyon wash.

Set a 60D nail at the true point.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground for a reference monument, bears N. 75°00' E., 160.0 ft. dist., with brass cap mkd. RM T29N R21E 160.0 FT TO COR S31 2009 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

CHAINS	
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground for a reference monument, bears N. 14°59' W., 120.0 ft. dist., with brass cap mkd. RM T29N R20E S36 120.0 FT TO COR 2009 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Deposit a magnet, in a white plastic case, 24 ins. beneath the 60D nail.
	Across gently rolling terrain, transitioning into steep ascent of mesa.
54.35	Top rim of mesa, bears N. 45° E. and S. 45° W.; thence across gently rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.
56.95	S. edge of ravine, bears N. $80^{\circ}$ E. and S. $70^{\circ}$ W.; thence across the ravine.
65.60	N. edge of ravine, bears N. $30^{\circ}$ E. and S. $30^{\circ}$ W.; thence over gently rolling terrain of mesa top.
80.00	Point for the cor. of secs. 25, 30, 31 and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, encircled with a rock collar, 3 1/2 ft. base, with brass cap mkd.
	T 29 N R 20 E   R 21 E S 25   S 30 S 36   S 31
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling. Soil, sand and sandstone. Timber, scattered juniper and pine. Undergrowth, sage brush and native grasses.
	North, bet. secs. 25 and 30.
	Over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 25 and 30.

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T 29 N
R 20 E 1/4 R 21 E
S 25 | S 30

2009

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

44.25 | Dirt road, 10 ft. wide, bears N. 70° E. and N. 65° W.

80.00 | Point for the cor. of secs. 19, 24, 25 and 30.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

T 29 N R 20 E | R 21 E S 24 | S 19 S 25 | S 30

2009

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

Land, rolling.

Soil, sandy and sandstone.

Timber, scattered juniper and pine.

Undergrowth, sage brush and native grasses.

North, bet. secs. 19 and 24.

Over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.

40.00 | Point for the 1/4 sec. cor. of secs. 19 and 24.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T 29 N
R 20 E R 21 E
1/4
S 24 | S 19

2009

CHAINS	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	Point for the cor. of secs. 13, 18, 19 and 24.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N
	R 20 E   R 21 E
	S 13   S 18
	S 24   S 19
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling. Soil, sandy and sandstone.
	Timber, scattered juniper and pine. Undergrowth, sage brush and native grasses.
	North, bet. secs. 13 and 18.
	Over rolling terrain of mesa top, through scattered juniper and pine tree, sage brush and native grasses.
22.685	Intersect the Boundary of Management District Number 6, Hopi Indian Reservation, bet. Angle Points 136 and 137, hereinbefore described.
40.00	Point for the 1/4 sec. cor. of secs. 13 and 18.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd.
	T 29 N R 20 E 1/4 R 21 E
	S 13   S 18
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	Point for the cor. of secs. 7, 12, 13 and 18.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

CHAINS	
	T 29 N R 20 E   R 21 E S 12   S 7 S 13   S 18
	2009
	Deposit a magnet, in a white plastic case, at the base of t stainless steel post.
	Land, rolling. Soil, sand and sandstone. Timber, scattered juniper and pine. Undergrowth, sage brush and native grasses.
	North, bet. secs. 7 and 12.
	Over rolling terrain of mesa top, through scattered juniper a pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 7 and 12.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E 1/4 R 21 E
	S 12   S 7
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	Point for the cor. of secs. 1, 6, 7 and 12.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam 23 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E   R 21 E S 1   S 6 S 12   S 7
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

#### CHAINS Land, rolling. Soil, sand and sandstone. Timber, scattered juniper and pine. Undergrowth, sage brush and native grasses. North, bet. secs. 1 and 6. Over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses. Top rim of mesa, bears S. 55° E. and N. 15° W.; descend 18.45 precipitous slope, transitioning into rolling terrain. Point for the 1/4 sec. cor. of secs. 1 and 6. 40.00 Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd. T 29 N R 20 E 1/4 R 21 E 2009 Deposit a magnet, in a white plastic case, at the base of the stainless steel post. 80.00 The cor. of Tps. 29 and 30 N., Rs. 20 and 21 E., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap mkd. T30N R20E R21E S36 S31 S1 S6 T29N 2008, with a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of the cor. Add the marks 2009 to the brass cap. Land, rolling. Soil, sand and sandstone. Timber, scattered juniper and pine. Undergrowth, sage brush and native grasses. Survey of the Subdivisional Lines, T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona From the stan. cor. of secs. 35 and 36, on the S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd. SC T29N R20E S35 S36 2000.

Add the marks 2009 to the brass cap.

	T. 29 N., R. 20 E., Gila and Sait River Meridian, Arizona
CHAINS	
	N. 0°01' W., bet. secs. 35 and 36.
	Over gently rolling terrain of Cienega Canyon, through scattered juniper and pine trees, sage brush and native grasses; transitioning into precipitous slope of mesa.
6.30	Top rim of mesa, bears S. 45° E. and N. 45° W.; continue over gently rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 35 and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E 1/4
	S 35   S 36
:	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
40.75	Dirt road, 8 ft. wide, bears N. 45° E. and S. 45° W.
77.05	Dirt road, 10 ft. wide, bears N. 65° E. and S. 65° W.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 26   S 25
	S 35 S 36
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling. Soil, sand and sandstone. Timber, scattered juniper and pine. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., hereinbefore described.
	West, bet. secs. 25 and 36.

CHAINS	1. 29 N., R. 20 E., Gila and Sait River Meridian, Arizona
CHAINS	
	Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 25 and 36.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 25 1/4 —— S 36
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
76.15	Dirt road, 10 ft. wide, bears N. 45° E. and S. 40° W.
80.00	The cor. of secs. 25, 26, 35 and 36.
	N. 0°01' W., bet. secs. 25 and 26.  Over gently rolling terrain of mesa top, through scattered
	juniper and pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 25 and 26.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E 1/4
	S 26   S 25
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
79.60	Top rim of mesa, bears S. 70° E. and N. 75° W.; descend precipitous slope.
80.00	Point for the cor. of secs. 23, 24, 25 and 26.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, alongside a sandstone boulder, 2 1/2 x 7 ft., projecting 2 1/2 ft. above the ground, encircled by a sandstone collar, 2 ft. base, with brass cap mkd.

24

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	T 29 N R 20 E
	S 23   S 24
	S 26   S 25
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Cor. falls 30 ft. below the canyon rim, on a steep slope.
	Land, rolling. Soil, sand and sandstone. Timber, scattered juniper and pine Undergrowth, native grasses.
	From the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the Tp., hereinbefore described.
	West, bet. secs. 24 and 25.
	Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
23.50	Top rim of mesa, bears S. and N. 80° W.; descend steep slope, thence across canyon slope.
40.00	Point for the 1/4 sec. cor. of secs. 24 and 25.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, encircled by a sandstone collar, 3 ft. base, with brass cap mkd.
	т 29 м к 20 е
	S 24
	1/4 ——
	S 25
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Cor. is located on a sandstone outcrop, below the rim of the mesa, and 10 lks. S. of precipitous slope.
42.10	Top rim of mesa, bears S. 10° W. and N. 25° W.; continue over rolling terrain of mesa top, through scattered juniper and pine trees and native grasses.
61.30	Top rim of mesa, bears S. 5° E. and N. 30° W.; descend precipitous slope and continue across canyon side slope.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
80.00	The cor. of secs. 23, 24, 25 and 26.
	N. 0°01' W., bet. secs. 23 and 24.
	Over steep, rocky canyon slopes.
22.45	Top rim of mesa, bears S. 70° E. and N. 70° W.; continue over rolling terrain of mesa top, through scattered juniper and pine trees and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 23 and 24.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	1/4 S 23   S 24
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
42.60	Dirt road, 8 ft. wide, bears N. 70° E. and S. 70° W.; continue over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses, transitioning into rugged ravine and sandstone outcrop terrain.
80.00	Point for the cor. of secs. 13, 14, 23 and 24.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, encircled by a sandstone collar, 3 ft. base, with brass cap mkd.
	T 29 N R 20 E
	S 14   S 13 S 23   S 24
	2009
	Deposit a magnet, in a white plastic case, at the base of the
	stainless steel post.
	Land, rolling and broken. Soil, sand and sandstone. Timber, scattered juniper and pine Undergrowth, native grasses.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	From the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the Tp., hereinbefore described.
	West, bet. secs. 13 and 24.
	Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 13 and 24.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, encircled by a sandstone collar, 4 ft. base, with brass cap mkd.
	T 29 N R 20 E
	S 13
	1/4 —— S 24
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Cor. is located in a small sandstone wash, 6 ft. wide, 1/2 ft. deep, drains WSW.
80.00	The cor. of secs. 13, 14, 23 and 24.
	N. 0°01' W., bet. secs. 13 and 14.
39.35	N. edge of ravine, bears N. 80° E. and S. 60° W.
40.00	Point for the 1/4 sec. cor. of secs. 13 and 14.
:	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	1/4
	S 14   S 13
	2009
	Deposit 5 60D nails, at the base of the stainless steel post.
	Cor. falls on sandstone outcrop bet. 2 ravines.
41.75	S. edge of ravine, bears N. 75° E. and S. 75° W.
80.00	Point for the cor. of secs. 11, 12, 13 and 14.

16 ins. in the ground, encircled by a mound of stone, 4 ft. base, to brass cap mkd.  T 29 N R 20 E S 11   S 12 S 14   S 13  2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Land, broken. Soil, rocky Timber, scattered juniper and pine. Undergrowth, sparse native grasses.  From the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., hereinbefore described.  West, bet. secs. 12 and 13.  Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.  40.00  Point for the 1/4 sec. cor. of secs. 12 and 13.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.  T 29 N R 20 E S 12 1/4 S 13 2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  T 8.96  Intersect the boundary of Management District Number 6, Hopi		T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
16 ins. in the ground, encircled by a mound of stone, 4 ft. base, to brass cap mkd.  T 29 N R 20 E S11   S 12 S14   S 13  2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Land, broken. Soil, rocky Timber, scattered juniper and pine. Undergrowth, sparse native grasses.  Prom the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., hereinbefore described.  West, bet. secs. 12 and 13.  Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.  40.00  Point for the 1/4 sec. cor. of secs. 12 and 13.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.  T 29 N R 20 E S 12 1/4 — S 13 2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  78.96  Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.	CHAINS	
S 11   S 12 S 14   S 13  2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Land, broken. Soil, rocky Timber, scattered juniper and pine. Undergrowth, sparse native grasses.  From the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., hereinbefore described.  West, bet. secs. 12 and 13.  Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.  40.00  Point for the 1/4 sec. cor. of secs. 12 and 13.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.  T 29 N R 20 E S 12 1/4 S 13 2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  78.96  Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.		
Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Land, broken. Soil, rocky Timber, scattered juniper and pine. Undergrowth, sparse native grasses.  From the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., hereinbefore described.  West, bet. secs. 12 and 13.  Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.  40.00 Point for the 1/4 sec. cor. of secs. 12 and 13.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.  T 29 N R 20 E  S 12  1/4  S 13  2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  78.96 Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.		<u>S 11   S 12</u>
stainless steel post.  Land, broken. Soil, rocky Timber, scattered juniper and pine. Undergrowth, sparse native grasses.  From the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., hereinbefore described.  West, bet. secs. 12 and 13.  Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.  40.00 Point for the 1/4 sec. cor. of secs. 12 and 13.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.  T 29 N R 20 E  S 12  1/4  S 13  2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  78.96  Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.		2009
Soil, rocky Timber, scattered juniper and pine. Undergrowth, sparse native grasses.  From the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., hereinbefore described.  West, bet. secs. 12 and 13.  Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.  40.00  Point for the 1/4 sec. cor. of secs. 12 and 13.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.  T 29 N R 20 E  S 12  1/4 —  S 13  2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  78.96  Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.		Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
Tp., hereinbefore described.  West, bet. secs. 12 and 13.  Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.  40.00 Point for the 1/4 sec. cor. of secs. 12 and 13.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.  T 29 N R 20 E S 12 1/4 — S 13 2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  78.96 Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.		Soil, rocky Timber, scattered juniper and pine.
Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.  40.00 Point for the 1/4 sec. cor. of secs. 12 and 13.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.  T 29 N R 20 E  S 12  1/4		From the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., hereinbefore described.
sage brush and native grasses.  40.00 Point for the 1/4 sec. cor. of secs. 12 and 13.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.  T 29 N R 20 E  S 12  1/4 —  S 13  2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  78.96 Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.		West, bet. secs. 12 and 13.
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.  T 29 N R 20 E  S 12  1/4 ——  S 13  2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  78.96  Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.		Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
24 ins. in the ground, with brass cap mkd.  T 29 N R 20 E  S 12  1/4 —  S 13  2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  78.96  Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.	40.00	Point for the 1/4 sec. cor. of secs. 12 and 13.
1/4 = 1/4 = 1/4 = 1/4 = 1/5 13  2009  Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  78.96  Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.		Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  78.96 Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.		S 12
Deposit a magnet, in a white plastic case, at the base of the stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  78.96 Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.		
stainless steel post.  Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.  78.96  Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.		2009
high.  78.96 Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.		Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.		Cor. falls 6 lks. S. of a sandstone boulder, 22 x 4 ft., 9 ft. high.
80.00 The cor. of secs. 11, 12, 13 and 14.	78.96	Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.
	80.00	The cor. of secs. 11, 12, 13 and 14.
N. 0°01' W., bet. secs. 11 and 12.		N. 0°01' W., bet. secs. 11 and 12.

Survey of the Subdivisional Lines, T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona

CHAINS	1. 25 N., N. 20 D., GITA ANA BATE KIVET METTATAN, MITZONA
CIMILING	
	Over broken terrain, across a canyon to ascend steep mesa slope and continue across rolling mesa top.
0.76	Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 57 mile cor. and the witness cor. to the 57 1/2 mile cor., hereinbefore described.
38.35	Top rim of mesa, bears N. 70° E. and N. 80° W.; descend precipitous slope.
40.00	Point for the 1/4 sec. cor. of secs. 11 and 12.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, encircled by a rock collar, 3 ft. base, with brass cap mkd.
	T 29 N R 20 E
	1/4
	S 11   S 12
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Cor. is located on a steep slope, among sandstone slabs and boulders.
	Descend steep slope, transitioning into rolling terrain, then ascend precipitous slope of finger of mesa to rolling mesa side slope.
80.00	Point for the cor. of secs. 1, 2, 11 and 12.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 2   S 1 S 11   S 12
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Cor. falls on a SW slope between large sandstone slabs.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Land, broken. Soil, sand and sandstone Timber, scattered juniper and pine. Undergrowth, sage brush and native grasses.
	Undergrowth, sage brush and native grasses.
	From the cor. of secs. 1, 6, 7, and 12, on the E. bdy. of the Tp., hereinbefore described.
	West, bet. secs. 1 and 12.
	Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
19.90	E. edge of canyon, bears N. 35° E. and S. 45° W.
32.15	W. edge of canyon, bears NE and SW.
40.00	True point for the 1/4 sec. cor. of secs. 1 and 12, falls at rocky edge of mesa, where it is impracticable to set a permanent monument.
	From this true point, the point selected for a witness cor. to the 1/4 sec. cor. of secs. 1 and 12, bears N. 53°00' E., 4.90 chs. dist.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a collar of stone, 3 ft. base, to top, with brass cap mkd.
	WC T 29 N R 20 E S 1 1/4
	s 12
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	The cor. of secs. 1, 2, 11 and 12.
	N. 0°01' W., bet. secs. 1 and 2.
	Descend NW slope, transitioning into rolling terrain.
40.00	Point for the 1/4 sec. cor. of secs. 1 and 2.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	т 29 м к 20 Е
	1/4
	S 2   S 1
	2009
	Deposit a magnet, in a white plastic case, at the base of the
	stainless steel post.
	-
79.94	The cor. of secs. 1, 2, 35 and 36, monumented with a stainless
	steel post, firmly set, projecting 3 ins. above the ground, with
	brass cap mkd. T30N R20E S35 S36 S2 S1 T29N 2008.
	Add the marks 2009 to the brass cap.
	Add the marks 2009 to the brass cap.
	From the stan. cor. of secs. 34 and 35, on the S. bdy. of the
	Tp., monumented with a stainless steel post, 2 1/2 ins. diam.,
	firmly set, projecting 3 ins. above the ground, with brass cap
	mkd. SC T29N R20E S34 S35 2000.
	Add the marks 2009 to the brass cap.
	naa ono marno boos oo ono srabb oop.
	N. 0°01' W., bet. secs. 34 and 35.
	Over gently rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
	trees, sage brush and hactive grasses.
40.00	Point for the 1/4 sec. cor. of secs. 34 and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,
	24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	1/4
	S 34   S 35
	2009
	Deposit a magnet, in a white plastic case, at the base of the
	stainless steel post.
45.15	Dirt road, 10 ft. wide, bears N. 80° E. and S. 80° W.
80.00	Point for the cor. of secs. 26, 27, 34 and 35.
30.00	rothe for the tor. or sets. 20, 21, 34 and 33.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,
	24 ins. in the ground, with brass cap mkd.

	1. 25 M., N. 20 D., GIIA AMA BATE KIVEI METIATAM, ATIZOMA
CHAINS	
	т 29 N R 20 E
	<u>s 27   s 26</u>
	S 34   S 35
	2009
	2003
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling.
	Soil, sand. Timber, scattered juniper and pine.
	Undergrowth, sage brush and native grasses.
	From the cor. of secs. 25, 26, 35 and 36.
	West, bet. secs. 26 and 35.
	Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
40.00	Point for the $1/4$ sec. cor. of secs. 26 and 35.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 26
	1/4 ——
	S 35
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	The cor. of secs. 26, 27, 34 and 35.
	N. 0°01' W., bet. secs. 26 and 27.
	Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 26 and 27.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

CILLA TATO	25 M., N. 20 D., GIIG and Bart River Meridian, Arrizona
CHAINS	
	T 29 N R 20 E 1/4
	S 27   S 26
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	Point for the cor. of secs. 22, 23, 26 and 27.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, encircled with a sandstone collar, 4 ft. base, with brass cap mkd.
	T 29 N R 20 E  S 22   S 23  S 27   S 26
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling. Soil, sand and sandstone. Timber, scattered juniper and pine. Undergrowth, native grasses.
	From the cor. of secs. 23, 24, 25 and 26.
	West, bet. secs. 23 and 26.
	Ascend mesa slope.
1.30	Top rim of mesa, bears S. 80° E. and N. 50° W.; thence across rolling mesa top, through scattered juniper and pine trees, sage brush and native grasses.
34.25	Top rim of mesa, bears N. 45° E. and S. 65° W.; thence descend precipitous slope, transitioning into rolling canyon bottom.
40.00	True point for the 1/4 sec. cor. of secs. 23 and 26, falls on steep slope of mesa, where it is impracticable to set a permanent monument.
	From this true point, the point selected for a witness cor. to the 1/4 sec. cor. of secs. 23 and 26, bears N. 32°00' W., 1.74 chs. dist.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

	1. 29 N., R. 20 E., GITA AND SAIC RIVEL MELIDIAN, ALIZONA
CHAINS	
	N/O
	WC T 29 N R 20 E
	S 23
	1/4 <del></del> S 26
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Across rolling canyon bottom, to ascend precipitous mesa slope.
67.60	Top rim of mesa, bears S. 35° E. and N. 20° W.; thence across rolling mesa top, through scattered juniper and pine trees, sage brush and native grasses.
72.30	Top rim of mesa, bears N. 35° E. and S. 35° W.; thence descend precipitous slope, transitioning across broken terrain, to ascend steep precipitous slope.
78.80	Top rim of mesa, bears S. 35° E. and N. 35° W.; thence across rolling mesa top, through scattered juniper and pine trees, sage brush and native grasses.
80.00	The cor. of secs. 22, 23, 26 and 27.
	22 1 22
	N. 0°01' W., bet. secs. 22 and 23.
1.20	Top rim of mesa, bears S. 75° E. and N. 75° W.; thence descend precipitous slope of mesa, across Echo Canyon, to ascend precipitous slope.
28.10	Top rim of mesa, bears N. 25° E. and S. 25° W.; thence across rolling terrain of mesa top, through scattered juniper and pine, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 22 and 23.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	1/4 S 22   S 23
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
80.00	Point for the cor. of secs. 14, 15, 22 and 23.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 15   S 14
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, gently rolling. Soil, sand.
	Timber, scattered juniper and pine. Undergrowth, native grasses.
	From the cor. of secs. 13, 14, 23 and 24.
	West, bet. secs. 14 and 23.
	Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses, transitioning into descent of precipitous slope, to cross canyon bottom and ascend precipitous slope.
31.85	Top rim of mesa, bears S. 30° E. and N. 30° W.; thence across rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 14 and 23.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	S 14 1/4 ——
	S 23
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	The cor. of secs. 14, 15, 22 and 23.
	N. 0°01' W., bet. secs. 14 and 15.

	T. 29 N., R. 20 E., Gila and Sait River Meridian, Arizona
CHAINS	
	Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
8.20	Top rim of mesa, bears S. 70° E. and N. 60° W.; thence descend precipitous slope, transitioning into rolling terrain.
40.00	Point for the 1/4 sec. cor. of secs. 14 and 15.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E 1/4 S 15   S 14
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Over rolling terrain, transitioning to ascend precipitous slope.
75.25	Top rim of mesa, bears S. 80° E. and S. 45° W.; thence over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
80.00	Point for the cor. of secs. 10, 11, 14 and 15.
:	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	S 10   S 11
	S 15   S 14
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, gently rolling. Soil, sand. Timber, scattered juniper and pine. Undergrowth, native grasses.
	From the cor. of secs. 11, 12, 13 and 14.
	West, bet. secs. 11 and 14.
	Over broken terrain of northerly slope of mesa, transitioning into rolling canyon bottom.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
39.70	Wash, 5 ft. wide, 1 ft. deep, drains S. 25° E.
40.00	Point for the 1/4 sec. cor. of secs. 11 and 14.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	S 11 1/4 ——
	S 14
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Over rolling terrain, to ascend precipitous slope.
58.85	Top rim of mesa, bears N. 30° E. and S. 10° W.; thence across rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.
80.00	The cor. of secs. 10, 11, 14 and 15.
	N. 0°01' W., bet. secs. 10 and 11.
	Over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.
39.45	Top rim of mesa, bears N. 35° E. and S. 80° W.; thence descend precipitous slope, to steep slope.
40.00	Point for the 1/4 sec. cor. of secs. 10 and 11.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	1/4 S 10   S 11
	2009
	Deposit a magnet, in a white plastic case, at the base of the
	stainless steel post.
	Cor. falls on steep northerly slope amongst sandstone slabs and boulders.
	Across rolling terrain.

CHAINS	
58.76	Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. Angle Point 133 and the 56 1/2 mile cor., hereinbefore described.
80.00	Point for the cor. of secs. 2, 3, 10 and 11.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 3   S 2 S 10   S 11
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, gently rolling. Soil, sand. Timber, none. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 1, 2, 11 and 12.
	West, bet. secs. 2 and 11.
	Descend mesa slope to rolling terrain.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 11.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 2 1/4 —— S 11
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	The cor. of secs. 2, 3, 10 and 11.
	N. 0°01' W., bet. secs. 2 and 3.
	Over rolling terrain, through sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 2 and 3.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	1/4 S 3   S 2
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
76.90	Graded road, 30 ft. wide, bears N. 35° E. and S. 35° W.
79.87	The cor. of secs. 2, 3, 34 and 35, monumented with a stainless steel post, firmly set, projecting 2 ins. above the ground, with brass cap mkd. T30N R20E S34 S35 S3 S2 T29N 2008.
	Add the marks 2009 to the brass cap.
	From the stan. cor. of secs. 33 and 34, on the S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, with brass cap mkd. SC T29N R20E S33 S34 2000.
	Add the marks 2009 to the brass cap.
	N. 0°02' W., bet. secs. 33 and 34.
	Over gently rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 33 and 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E 1/4 S 33   S 34
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
45.75	Dirt road, 10 ft. wide, bears S. 60° E. and N. 60° W.
80.00	Point for the cor. of secs. 27, 28, 33 and 34.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E  S 28   S 27  S 33   S 34
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling. Soil, sandy. Timber, scattered juniper and pine. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 26, 27, 34 and 35.
	West, bet. secs. 27 and 34.
	Over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 27 and 34.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 27 1/4 —— S 34
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	The cor. of secs. 27, 28, 33 and 34.
	N. 0°02' W., bet. secs. 27 and 28.
	Over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.
33.55	Top rim of mesa, bears E. and N. 35° W.; thence descend precipitous slope, transitioning into rolling terrain.
40.00	Point for the 1/4 sec. cor. of secs. 27 and 28.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E 1/4
	S 28   S 27
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Across rolling terrain, transitioning into precipitous slope of mesa.
70.30	Top rim of mesa, bears S. 30° E. and S. 85° W.; thence over rolling terrain of mesa top, through scattered juniper and pine, sage brush and native grasses.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 21   S 22
	S 28   S 27
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling. Soil, sand.
	Timber, scattered juniper and pine. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 22, 23, 26 and 27.
	West, bet. secs. 22 and 27.
	Over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.
1.90	Top rim of mesa, bears N. 50° E. and S. 80° W.; thence descend precipitous slope, transitioning into broken terrain of slope of mesa.
19.85	Top rim of mesa, bears S. 75° E. and N. 45° W.; thence across rolling terrain of mesa top, through scattered juniper and pine trees, and native grasses.

	1. 29 N., R. 20 E., GIIA AND SAIC RIVEL MELIDIAN, ALIZONA
CHAINS	
25.90	Top rim of mesa, bears S. 75° W. and N. 35° W.; thence descend precipitous slope, transitioning into rolling terrain.
38.40	Wash, 10 ft. wide, 2 ft. deep, drains N. 25° E.
40.00	Point for the 1/4 sec. cor. of secs. 22 and 27.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 22 1/4 —— S 27
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Across rolling terrain, transitioning into ascent of precipitous slope.
63.95	Top rim of mesa, bears N. 15° E. and S. 25° W.; thence over rolling terrain of mesa top, through scattered juniper and pine trees, and native grasses.
80.00	The cor. of secs. 21, 22, 27 and 28.
	N. 0°02' W., bet. secs. 21 and 22.
	Over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.
3.00	Top rim of mesa, bears N. 45° E. and N. 80° W.; thence descend precipitous slope, transitioning into rolling terrain.
37.80	Barbed wire fence, 3 strand, bears N. 75° E. and S. 75° W.
40.00	Point for the 1/4 sec. cor. of secs. 21 and 22.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E 1/4
	S 21   S 22
	2009

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Across rolling terrain, transitioning into precipitous slope of mesa.
59.05	Top rim of mesa, bears S. 70° E. and S. 70° W.; thence over rolling terrain of mesa top, through scattered juniper and pine, sage brush and native grasses.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 16   S 15 S 21   S 22
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling. Soil, sand. Timber, scattered juniper and pine. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 14, 15, 22 and 23.
	West, bet. secs. 15 and 22.
	Over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 15 and 22.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 15
	1/4 ————————————————————————————————————
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	The cor. of secs. 15, 16, 21 and 22.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	N. 0°02' W., bet. secs. 15 and 16.
	Over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses, transitioning into steep and precipitous NW slope of mesa.
40.00	Point for the 1/4 sec. cor. of secs. 15 and 16.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, encircled with a sandstone collar, 2 ft. diam., with brass cap mkd.
	T 29 N R 20 E
	1/4 S 16   S 15
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 9   S 10 S 16   S 15
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling.
	Soil, sand. Timber, scattered juniper and pine. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 10, 11, 14 and 15.
	West, bet. secs. 10 and 15.
	Over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.
7.00	Top rim of mesa, bears S. 35° E. and N. 70° W.; descend precipitous slope, transitioning into rolling terrain.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
40.00	Point for the 1/4 sec. cor. of secs. 10 and 15.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 10
	1/4 ——
	S 15
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	The cor. of secs. 9, 10, 15 and 16.
	N. 0°02' W., bet. secs. 9 and 10.
	Over rolling terrain, through sage brush and native grasses.
31.00	Dirt road, 8 ft. wide, bears S. 5° E. and N. 5° W.
40.00	Point for the 1/4 sec. cor. of secs. 9 and 10.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	т 29 м к 20 Е
	1/4 S 9   S 10
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	Point for the cor. of secs. 3, 4, 9 and 10.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 4 S 3 S 9 S 10
	2009
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Land, rolling.
	Soil, sand.
	Timber, none. Undergrowth, sage brush and native grasses.
	ondergrowen, sage brush and native grasses.
	From the cor. of secs. 2, 3, 10 and 11.
	West, bet. secs. 3 and 10.
0.50	Wash, 5 ft. wide, 1 ft. deep, drains N. 10° E.
29.29	Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 55 1/2 mile cor. and the 56 mile cor., hereinbefore described.
40.00	Point for the 1/4 sec. cor. of secs. 3 and 10.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	S 3
	1/4 ——
	S 10
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	The cor. of secs. 3, 4, 9 and 10.
	N. 0°02' W., bet. secs. 3 and 4.
	Over rolling terrain , through sage brush and native grasses.
3.40	Graded road, 30 ft. wide, bears N. 59° E. and S. 59° W.
8.05	Barbed wire fence, 4 strands, bears N. 59° E. and S. 59° W.
36.795	Intersect the boundary of Management District Number 6, Hopi Indian Reservation, bet. the 54 1/2 mile cor. and the 55 mile cor., hereinbefore described.
40.00	Point for the 1/4 sec. cor. of secs. 3 and 4.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey of the Subdivisional Lines, T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona

	1. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	T 29 N R 20 E
	1/4
	S 4   S 3
	2009
	Deposit a magnet, in a white plastic case, at the base of the
	stainless steel post.
1.5.05	
46.35	Polacca Wash, 36 ft. wide, 2 ft. deep, drains S. 55° W.
79.795	The cor. of secs. 3, 4, 33 and 34, monumented with a stainless
15.755	steel post, firmly set, projecting 2 ins. above the ground, with
	brass cap mkd. T30N R20E S33 S34 S4 S3 T29N 2008.
	Add the marks 2009 to the brass cap.
	From the stan. cor. of secs. 32 and 33, on the S. bdy. of the
	Tp., monumented with a stainless steel post, 2 1/2 ins. diam.,
	firmly set, projecting 4 ins. above the ground, with brass cap mkd. SC T29N R20E S32 S33 2000.
	MKG. SC 129N R20E 532 533 2000.
	Add the marks 2009 to the brass cap.
	nad the marks 2009 to the brass cap.
	N. 0°03' W., bet. secs. 32 and 33.
	Over gently rolling terrain across mesa top, through scattered
	juniper and pine trees, sage brush and native grasses.
40.00	
40.00	Point for the 1/4 sec. cor. of secs. 32 and 33.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,
	21 ins. into a sandstone bolder, 7 x 2 ft., projecting 1 ft.
	above the ground, with brass cap mkd.
	T 29 N R 20 E
	1/4
	S 32   S 33
	2000
	2009
	Deposit a magnet, in a white plastic case, at the base of the
	stainless steel post.
	Cor. falls on S. side of canyon.
40.25	Wash, 8 ft. wide, 2 ft. deep, drains N. 55° W.
00.00	Print for the new of some 20 CO CO CO
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,
	25 ins. in the ground, with brass cap mkd.
	gradia, wrom wrong out mild.

CHAINS	
	T 29 N R 20 E S 29   S 28 S 32   S 33
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling. Soil, sand. Timber, scattered juniper and pine. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 27, 28, 33 and 34.
	West, bet. secs. 28 and 33.
	Over rolling terrain across mesa top, through scattered juniper and pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 28 and 33.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E  S 28  1/4 ——  S 33
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	The cor. of secs. 28, 29, 32 and 33.
	N. 0°03' W., bet. secs. 28 and 29.
	Over gently rolling terrain across mesa top, through scattered juniper and pine trees, sage brush and native grasses.
31.05	Top rim of mesa, bears N. 85° E. and N. 25° W.; thence descend precipitous slope, transitioning into rolling terrain.
37.85	Wash, 3 ft. wide, 1 ft. deep, drains N. 60° E.
40.00	Point for the $1/4$ sec. cor. of secs. 28 and 29, falls on steep bank of wash near the bottom.

#### CHAINS

Drive an iron rebar, 24 ins. long, 5/8 in. diam., 6 ins. beneath the ground.

from which

- A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground for a reference monument, bears N. 50°01' E., 150.0 ft. dist., with brass cap mkd. RM T29N R20E 150.0 FT TO COR S28 2009 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
- A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground for a reference monument, bears N. 39°59' W., 150.0 ft. dist., with brass cap mkd. RM T29N R20E S29 150.0 FT TO COR 2009 and an arrow pointing to the cor. Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

Deposit a magnet, in a white plastic case, at the base of the iron rebar.

Cor. falls on steep bank, near the bottom of a wash, 10 ft. wide, 10 ft. deep, drains N.  $5^{\circ}$  W.

80.00 Point for the cor. of secs. 20, 21, 28 and 29.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, underpinned with a rebar, 5/8 in. diam., 23 ins. long, and 2 wood laths, 4 ft. long, 1/2 in. square, with brass cap mkd.

2009

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

Cor. falls in a wash, 5 ft. wide, 2 ft. deep, drains N. 15° W.

Land, rolling.

Soil, sand.

Timber, none.

Undergrowth, sage brush and native grasses.

From the cor. of secs. 21, 22, 27 and 28.

West, bet. secs. 21 and 28.

Survey of the Subdivisional Lines, T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Over rolling terrain across mesa top, through scattered juniper and pine trees, sage brush and native grasses.
2.30	Top rim of mesa, bears N. 30° W. and S. 15° W.; thence descend precipitous slope, transitioning into rolling terrain.
39.55	E. bank of wash, 6 ft. high, bears N. and S. 35° W.
39.90	Wash, 3 ft. wide, drains N. 30° E.
40.00	Point for the 1/4 sec. cor. of secs. 21 and 28.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E  S 21  1/4 ——  S 28
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
40.25	W. bank of wash, 7 ft. high, bears N. 35° E. and S. 30° W.
80.00	The cor. of secs. 20, 21, 28 and 29.
	N. 0°03' W., bet. secs. 20 and 21.
	Over gently rolling terrain, through sage brush and native grasses.
1.90	N. bank of wash, 2 ft. high, bears S. 15° E. and N. 10° W.
34.95	Dirt road, 9 ft. wide, bears S. 35° E. and N. 45° W.
40.00	Point for the 1/4 sec. cor. of secs. 20 and 21.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	1/4 S 20   S 21
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Over rolling terrain, through sage brush and native grasses, transitioning into precipitous slope of mesa.
61.20	Top rim of mesa, bears S. 20° E. and S. 85° W.; thence over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 17   S 16 S 20   S 21
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling. Soil, sand. Timber, scattered juniper and pine. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21.
	Over rolling terrain across mesa top, through scattered juniper and pine trees, sage brush and native grasses.
16.05	Top rim of mesa, bears S. 35° W. and N. 10° W.; thence descend precipitous slope, transitioning into rolling terrain.
40.00	Point for the 1/4 sec. cor. of secs. 16 and 21.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 16 1/4 —— S 21
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
43.55	Wash, 6 ft. wide, 1 ft. deep, drains N. 30° E.; thence over rolling terrain, transitioning into a precipitous slope.
72.45	Top rim of mesa, bears S. 20° E. and N. 30° W.; thence over rolling terrain across mesa top, through scattered juniper and pine trees, sage brush and native grasses.
80.00	The cor. of secs. 16, 17, 20 and 21.
	N. 0°03' W., bet. secs. 16 and 17.
	Over rolling terrain across mesa top, through scattered juniper and pine trees, sage brush and native grasses.
12.90	Top rim of mesa, bears N. 75° E. and S. 75° W.; thence descend precipitous slope, transitioning into rolling terrain.
38.60	Wash, 2 ft. wide, 2 ft. deep, drains N. 35° E.
40.00	Point for the 1/4 sec. cor. of secs. 16 and 17.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E 1/4 S 17   S 16
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
45.30	Wash, 3 ft. wide, 4 ft. deep, drains N. 45° E.
76.35	Dirt road, 9 ft. wide, bears S. 20° E. and N. 25° W.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E  S 8   S 9  S 17   S 16
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.

CHAINS	
	Land, rolling. Soil, sand.
	Timber, sparce juniper and pine. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 9, 10, 15 and 16.
	West, bet. secs. 9 and 16.
	Over rolling terrain, through scattered juniper and pine trees, sage brush and native grasses.
21.70	Sandstone cliff face, 10 ft. high, bears S. $20^{\circ}$ E. and N. $20^{\circ}$ W.; thence ascend precipitous slope to mesa top, across rolling terrain of mesa top.
40.00	True point for the $1/4$ sec. cor. of secs. 9 and 16, falls on top of mesa, where it is impracticable to set a permanent monument.
	From this true point, the point selected for a witness cor. to the 1/4 sec. cor. of secs. 9 and 16, bears S. 85°30' W., 4.90 chs. dist.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	$ \begin{array}{c} WC \\ T 29 N R 20 E \\ S 9 \\ 1/4 \xrightarrow{\longrightarrow} S 16 \end{array} $
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Witness cor. falls 5 lks. northerly of a sandstone slab, 20 x 10 ft., 5 ft. high.
	Over rolling terrain across mesa top, transitioning into precipitous slope.
43.45	Sandstone cliff face, bears S. 20° E. and N. 30° W.; thence descend precipitous slope, transitioning into rolling terrain.
80.00	The cor. of secs. 8, 9, 16 and 17.
	N. 0°03' W., bet. secs. 8 and 9.
	Over rolling terrain, through sage brush and native grasses.

CHAINS	
34.00	Graded road, 45 ft. wide, bears N. 53° E. and S. 53° W.
40.00	Point for the 1/4 sec. cor. of secs. 8 and 9.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E 1/4 S 8   S 9
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
64.85	Polacca Wash, 30 ft. wide, 4 ft. deep, drains S. 70° W.
80.00	Point for the cor. of secs. 4, 5, 8 and 9.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 5 S 4 S 8 S 9
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling. Soil, sand. Timber, none. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 3, 4, 9 and 10.
	West, bet. secs. 4 and 9.
	Over rolling terrain, through sage brush and native grasses.
5.70	Graded road, 30 ft. wide, bears N. 59° E. and S. 59° W.
13.25	Barbed wire fence, 4 strand, bears N. 59° E. and S. 59° W.
40.00	Point for the 1/4 sec. cor. of secs. 4 and 9.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

	TO TO THE TOTAL STATE OF THE ST
CHAINS	
	т 29 м к 20 е
	1/4 <del>S 4</del>
	S 9
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
43.30	Northwesterly end of a barbed wire fence, 4 strand, bears S. 46° E.
	Over rolling terrain, through sage brush and native grasses; cross Polacca Wash.
67.60	W. bank of Polacca Wash, bears N. 55° E. and S. 45° W.
69.75	Unnamed wash, 12 ft. wide, 2 ft. deep, drains S. 5° E.
80.00	The cor. of secs. 4, 5, 8 and 9.
	N. 0°03' W., bet. secs. 4 and 5.
	Over rolling terrain, through sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 4 and 5.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	1/4 S 5   S 4
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
79.72	The cor. of secs. 4, 5, 32 and 33, monumented with a stainless steel post, firmly set, projecting 3 ins. above the ground, with brass cap mkd. T30N R20E S32 S33 S5 S4 T29N 2008.
	Add the marks 2009 to the brass cap.
	From the stan. cor. of secs. 31 and 32, on the S. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above the ground, with brass cap mkd. SC T29N R20E S31 S32 2000.

	T. 29 N., R. 20 E., Gila and Sait River Meridian, Arizona
CHAINS	
	Add the marks 2009 to the brass cap.
	N. 0°03' W., bet. secs. 31 and 32.
	Over rolling terrain across mesa top, through scattered juniper and pine trees, sage brush and native grasses.
26.20	Top rim of mesa, bears S. 40° E. and N. 30° W.; thence descend precipitous slope, transitioning into broken and rolling terrain.
40.00	True point for the 1/4 sec. cor. of secs. 31 and 32, falls on steep slope of mesa, where it is impracticable to set a permanent monument.
	From this true point, the point selected for a witness cor. to the 1/4 sec. cor. of secs. 31 and 32, bears N. 45°00' E., 2.00 chs. dist.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	WC T 29 N R 20 E 1/4 S 31   S 32 2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 30   S 29 S 31   S 32
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling. Soil, sand. Timber, scattered juniper and spruce. Undergrowth, sage brush and native grasses.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	From the cor. of secs. 28, 29, 32 and 33.
	West, bet. secs. 29 and 32.
	Over rolling terrain across mesa top, through scattered juniper and pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 29 and 32.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 29 1/4 ———
	S 32
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
46.05	Top rim of mesa, bears N. 20° E. and S. 20° W.; thence descend precipitous slope, transitioning into rolling terrain.
80.00	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling. Soil, sand. Timber, scattered juniper and spruce. Undergrowth, sage brush and native grasses.
	S. 89°59' W., bet. secs. 30 and 31.
	Over rolling terrain across mesa top, through sage brush and native grasses.
2.30	Wash, 8 ft. wide, 5 ft. deep, drains N. 20° E.; continue across rolling terrain, transitioning into precipitous slope.
14.95	Top rim of mesa, bears S. $80^{\circ}$ E. and N. $40^{\circ}$ W.; thence over rolling terrain across mesa top.
40.00	Point for the 1/4 sec. cor. of secs. 30 and 31.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, encircled with a sandstone collar, 3 ft. base, with brass cap mkd.
	base, with brass cap mkd.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	T 29 N R 20 E
	S 30
	1/4 —— S 31
	2 31
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
47.60	Top rim of mesa, bears N. and S.; thence descend precipitous slope, transitioning into rolling terrain.
79.87	The cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the Tp., hereinbefore described.
	Land, rolling. Soil, sand. Timber, scattered juniper and spruce. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 29, 30, 31 and 32.
	From the cor. or sees. 25, 50, 51 and 52.
	N. 0°03' W., bet. secs. 29 and 30.
	Over rolling terrain across mesa top, through sage brush and native grasses.
2.65	Wash, 16 ft. wide, 3 ft. deep, drains N. 10° E.
39.65	Wash, 2 ft. wide, 2 ft. deep, drains S. 30° W.
40.00	Point for the 1/4 sec. cor. of secs. 29 and 30.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E 1/4 S 30   S 29
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
77.05	Wash, 2 ft. wide, 3 ft. deep, drains N. 85° W.
80.00	Point for the cor. of secs. 19, 20, 29 and 30.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.

	1. 25 N., N. 20 E., GITA AND BATE KIVET METICIAN, ATTZONA
CHAINS	
	T 29 N R 20 E
	<u>S 19   S 20</u>
	S 30   S 29
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, rolling.
	Soil, sand. Timber, scattered juniper and spruce. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 20, 21, 28 and 29.
	West, bet. secs. 20 and 29.
	Over rolling terrain, through sage brush and native grasses.
39.90	Wash, 2 ft. wide, 3 ft. deep, drains N. 60° E.
40.00	Point for the 1/4 sec. cor. of secs. 20 and 29.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	S 20 1/4 ——
	S 29
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Over rolling terrain, transitioning into precipitous slope.
44.95	Top rim of mesa, bears S. 20° W. and N. 10° W.; continue over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.
67.70	Top rim of mesa, bears N. 5° E. and S. 5° W.; descend precipitous slope, transitioning into rolling terrain.
80.00	The cor. of secs. 19, 20, 29 and 30.

	T. 29 N., R. 20 E., Gila and Sait River Meridian, Arizona
CHAINS	
	Land, rolling.
	Soil, sand.   Timber, scattered juniper and spruce.
	Undergrowth, sage brush and native grasses.
	S. 89°53' W., bet. secs. 19 and 30.
	Over rolling terrain, through sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 19 and 30.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E
	S 19
	1/4 <del></del> S 30
	3 30
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
44.00	Barbed wire fence, 4 strand, bears S. 22° E. and N. 22° W.
79.725	The cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the Tp., hereinbefore described.
	Land, rolling.
	Soil, sand.
	Timber, scattered juniper and spruce. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 19, 20, 29 and 30.
	N. 0°03' W., bet. secs. 19 and 20.
	Over rolling terrain, through sage brush and native grasses,
	transitioning into a precipitous slope.
15.60	Top of ridge, bears S. 80° E. and N. 80° W.; thence descend precipitous slope, transitioning into rolling terrain.
40.00	Point for the 1/4 sec. cor. of secs. 19 and 20.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	T 29 N R 20 E
	1/4
	S 19   S 20
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
65.95	Dirt road, 9 ft. wide, bears S. 60° E. and N. 60° W.
80.00	Point for the cor. of secs. 17, 18, 19 and 20.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E S 18   S 17 S 19   S 20
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.
	Land, rolling. Soil, sand. Timber, scattered juniper and spruce. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 16, 17, 20 and 21.
	West, bet. secs. 17 and 20.
	Over rolling terrain across mesa top, through scattered juniper and pine trees, sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 17 and 20.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, encircled with a sandstone collar, 4 ft. base, with brass cap mkd.
	T 29 N R 20 E
	S 17
	1/4 ————————————————————————————————————
	5 20
	2009

CHAINS	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
40.75	Top rim of mesa, bears S. 20° E. and N. 50° W.; descend precipitous slope, transitioning into rolling terrain.
80.00	The cor. of secs. 17, 18, 19 and 20.
	Land, rolling. Soil, sand. Timber, scattered juniper and spruce. Undergrowth, sage brush and native grasses.
	S. 89°52' W., bet. secs. 18 and 19.
	Over rolling terrain, through sage brush and native grasses.
37.80	Dirt road, 8 ft. wide, bears S. 50° E. and N. 60° W.
40.00	Point for the 1/4 sec. cor. of secs. 18 and 19.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E  S 18  1/4 —  S 19
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
79.64	The cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the Tp., hereinbefore described.
	Land, rolling. Soil, sand. Timber, none.
	Undergrowth, sage brush and native grasses.
	From the cor. of secs. 17, 18, 19 and 20.
	N. 0°03' W., bet. secs. 17 and 18.
	Over rolling terrain, through sage brush and native grasses, transitioning into a precipitous slope.
40.00	Point for the 1/4 sec. cor. of secs. 17 and 18.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona	
CHAINS		
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.	
	T 29 N R 20 E 1/4 S 18   S 17	
	2009	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.	
72.55	Graded road, 60 ft. wide, bears N. 75° E. and S. 75° W.	
80.00	Point for the cor. of secs. 7, 8, 17 and 18.	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.	
	T 29 N R 20 E S 7   S 8 S 18   S 17	
	2009	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.	
	Cor. falls on a westerly slope at the E. edge of a salt cedar stand.	
	Land, rolling. Soil, sand. Timber, sparce juniper and spruce, salt cedar. Undergrowth, sage brush and native grasses.	
	From the cor. of secs. 8, 9, 16 and 17.	
	West, bet. secs. 8 and 17.	
	Over rolling terrain, through sage brush and native grasses.	
2.10	Dirt road, 9 ft. wide, bears S. 40° E. and N. 35° W.	
40.00	Point for the 1/4 sec. cor. of secs. 8 and 17.	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.	

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona			
CHAINS				
	T 29 N R 20 E			
	S 8			
	1/4 ——			
	S 17			
	2009			
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.			
60.35	Graded road, 60 ft. wide, bears N. 70° E. and S. 70° W.			
80.00	The cor. of secs. 7, 8, 17 and 18.			
	Land, rolling.			
	Soil, sand.			
	Timber, none.			
	Undergrowth, sage brush and native grasses.			
	S. 89°52' W., bet. secs. 7 and 18.			
	Over rolling terrain, through sage brush and native grasses.			
40.00	Point for the 1/4 sec. cor. of secs. 7 and 18.			
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.			
	T 29 N R 20 E			
	s 7			
	1/4 ——			
	S 18			
	2009			
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.			
51.25	Polacca Wash, 45 ft. wide, 3 ft. deep, drains S. 70° W.			
79.56	The cor. of secs. 7, 12, 13 and 18, on the W. bdy. of the Tp., hereinbefore described.			
	Land, rolling. Soil, sand. Timber, none. Undergrowth, sage brush and native grasses.			
	From the cor. of secs. 7, 8, 17 and 18.			
	N. 0°03' W., bet. secs. 7 and 8.			

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	
	Across a wash, through salt cedar, transitioning into rolling terrain, through sage brush and native grasses.
27.10	Polacca Wash, 45 ft. wide, 3 ft. deep, drains S. 60° W.
40.00	Point for the 1/4 sec. cor. of secs. 7 and 8.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E 1/4 S 7   S 8
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
80.00	Point for the cor. of secs. 5, 6, 7 and 8.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T 29 N R 20 E  S 6   S 5  S 7   S 8
	2009
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.
	Land, gently rolling. Soil, sand. Timber, none. Undergrowth, sage brush and native grasses.
	From the cor. of secs. 4, 5, 8 and 9.
	West, bet. secs. 5 and 8.
	Over rolling terrain, through sage brush and native grasses.
40.00	Point for the 1/4 sec. cor. of secs. 5 and 8.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.
L	

CHAINS		
CHAINS		
	T 29 N R 20 E	
	S 5	
	1/4 ——	
	S 8	
	2009	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.	
80.00	The cor. of secs. 5, 6, 7 and 8.	
	Land, rolling. Soil, sand.	
	Timber, none.	
	Undergrowth, sage brush and native grasses.	
	S. 89°50' W., bet. secs. 6 and 7.	
	Over rolling terrain, through sage brush and native grasses, transitioning into precipitous slope.	
11.85	Top rim of mesa, bears N. 60° E. and S. 60° W.; continue over rolling terrain of mesa top, through scattered juniper and pine trees, sage brush and native grasses.	
39.00	Top rim of mesa, bears S. 30° E. and N. 30° W.; descend precipitous slope.	
40.00	Point for the 1/4 sec. cor. of secs. 6 and 7.	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, encircled with a sandstone collar, 3 ft. base, with brass cap mkd.	
	T 29 N R 20 E	
	S 6	
	1/4 ——	
	s 7	
	2009	
	Deposit 4 six inch nails, at the base of the stainless steel post.	
	Cor. falls on a sandstone shelf bet. sandstone cliffs on steep SW slope of mesa.	
	Over precipitous slope, transitioning into rolling terrain.	
70.50		
79.52	The cor. of secs. 1, 6, 7 and 12, on the W. bdy. of the Tp., hereinbefore described.	

#### CHAINS

Land, rolling.

Soil, sand.

Timber, none.

Undergrowth, sage brush and native grasses.

From the cor. of secs. 5, 6, 7 and 8.

N.  $0^{\circ}03'$  W., bet. secs. 5 and 6.

Over rolling terrain, through sage brush and native grasses.

40.00 Point for the 1/4 sec. cor. of secs. 5 and 6.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

T 29 N R 20 E 1/4 S 6 | S 5

2009

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

79.655

The cor. of secs. 5, 6, 31 and 32, monumented with a stainless steel post, firmly set, projecting 3 ins. above the ground, with brass cap mkd. T30N R20E S31 S32 S6 S5 T29N 2008.

Add the marks 2009 to the brass cap.

#### GENERAL DESCRIPTION

This survey is located on the Hopi Indian Reservation. Indian Highway No. 60, and the Polacca Wash traverse across the northwest corner of the township.

The township is divided between lower lands, at elevations ranging from 5,900 ft. to 6,100 ft., and mesas that rise to 6,600 ft. This township consists of nearly level to gently rolling terrain, supporting sparse juniper and pine timber at the lower elevations, and scattered juniper and pine on the mesa tops.

	T. 29 N., R. 20 E., Gila and Salt River Meridian, Arizona
CHAINS	Access to the lower elevations of this survey was by Indian Highway No. 60, a graded road at this point, and various dirt roads that connect to it. The mesa tops were accessed by a graded road that heads northerly out of Keams Canyon and a series of dirt roads. ATV's were required to access areas distant from the dirt roads.
	The mean magnetic declination of 11° 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.

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

#### FIELD ASSISTANTS

TIELD IX	BBBTANTS
NAMES	CAPACITY
Blas J. Urena	Surveying Technician
Nicole R. Whitmer	Natural Resource Specialist
Betty Poley	Assistant Supervisory Geodesist (Hopi Nation)
Carl Seweyestewa	Senior Geodetic Technician (Hopi Nation)
Gariel Talayumptewa	Geodetic Technician (Hopi Nation)

#### CERTIFICATE OF SURVEY

I, Craig S. Dukart, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 30th day of June, 2009, I have dependently resurveyed the west boundary and a portion of the boundary of Management District Number 6, Hopi Indian Reservation, and surveyed the Fifth Guide Meridian East through Township 29 North (E. Bdy.) and the subdivisional lines, T. 29 N., R. 20 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.

12/28/09	Cin - X I
(Date)	(Cadastral Surveyor)

#### CERTIFICATE OF APPROVAL

#### BUREAU OF LAND MANAGEMENT Phoenix, Arizona

The foregoing field notes of the dependent resurvey the west boundary and a portion of the boundary of Management District Number 6, Hopi Indian Reservation, and the survey of the Fifth Guide Meridian East through Township 29 North (E. Bdy.) and the subdivisional lines, T. 29 N., R. 20 E., Gila and Salt River Meridian, in the State of Arizona, executed by Craig S. Dukart, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

3/25/2010	Stephen K. Hansen
(Date)	(Chief Cadastral Surveyor of Arizona)
	CERTIFICATE OF TRANSCRIPT
	oing transcript of the field notes of the above 29 N., R 20 E., Gila and Salt River Meridian, the original field notes.
(Date)	(Chief Cadastral Surveyor of Arizona)