ORIGINAL

1

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF

DEPENDENT RESURVEY OF
A PORTION OF THE SOUTH AND EAST BOUNDARIES,
A PORTION OF THE SUBDIVISIONAL LINES
AND TRACTS 43 THROUGH 52,
AND THE METES-AND-BOUNDS SURVEY OF THE
HOPI AND NAVAJO PARTITION LINE
IN
TOWNSHIP 32 NORTH, RANGE 11 EAST
Of theGila and Salt River Meridian, In the State ofArizona
EXECUTED BY
Stephen K. Hansen Cadastral Surveyor

Under Special Instructions dated <u>July 8, 1996</u>, approved <u>July 8, 1996</u>, and Supplemental Special Instructions dated <u>July 8, 1997</u>, approved <u>July 8, 1997</u>, which provided for the surveys included under Group Number <u>804</u>, and assignment instructions dated <u>July 8,1996</u>, and under Special Instructions dated <u>May 27, 1998</u>, approved <u>May 27, 1998</u>, which provided for the surveys included under Group Number <u>828</u>, and assignment instructions dated <u>May 27, 1998</u>.

Survey Commenced <u>July 15, 1996</u> Survey Completed <u>March 25, 1999</u>

INDEX DIAGRAM

TOWNSHIP 32 NORTH, RANGE 11 EAST,

6	5	4	3	2	1
7	8		20 10	11 15	12
18	17	16	19	14	13
19	20		18 18 22	23	24
30	29	21	27		25 12 14
31	32	33	34 L6	35	36 10
ـــوـــــــا	<u> 8 </u>	8	7	6	4

Tracts 43-52 Metes-and-Bounds Survey of Hopi-Navajo Partition Line pp. 23-39

pp. 39-79

T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes describe the dependent resurvey of a portion of the south and east boundaries, a portion of the subdivisional lines and Tracts 43 through 52, and the metes-and-bounds survey of the Hopi and Navajo Partition Line, Township 32 North, Range 11 East, Gila and Salt River Meridian, Arizona.

Charles Von Erxleben performed unapproved surveys of certain Indian Allotments in 1899. Philip Contzen surveyed the exterior boundaries and the subdivisional lines and resurveyed certain tract boundaries of Indian Allotments in 1905. Sidney E. Blout resurveyed and retraced the south boundary, a portion of the east boundary, and resurveyed a portion of the subdivisional lines and certain tract boundaries of Indian Allotments in 1907-1908. Leonard W. Murphy dependently resurveyed a portion of the west boundary and subdivisional lines and subdivided section 29 in 1962, and surveyed the boundary of the Hopi Indian Reservation in 1964. William F. Olver and Daniel N. Patterson dependently resurveyed a portion of the south and west boundaries, a portion of the subdivisional lines, and certain tract boundaries of Indian Allotments, and subdivided certain sections and executed a metes-and-bounds survey, in 1988-1990.

The survey was executed in accordance with the specifications as set forth in the <u>Manual of Surveying Instructions</u>, 1973, and the Special Instructions dated July 8, 1996, for Group Number 804, Arizona, and the Special Instructions dated May 27, 1998, for Group Number 828, Arizona.

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

The directions of all lines were determined by direct hour angle observations on the sun, and refer to the true meridian. Distances and angles were measured with a Sokkia Set 2 BII total station instrument or a Trimble 4400 Real Time Kinematic global positioning surveying system.

T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona

CHAINS

The geographic position of the southeast corner of the township, as determined from a traverse made to U.S. Coast and Geodetic Survey Triangulation station "TUBA CITY 1951", is as follows:

Latitude: 36°06′14.30" N. Longitude: 111°09′30.81" W. (NAD 83, 1992)

The mean magnetic declination of 12 3/4° E., was derived from the United States Geological Survey computer program "MAGPOINT", utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of survey.

Dependent Resurvey of a Portion of the South Boundary, T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona

Restoring the resurvey executed by Sidney E. Blout in 1907

From the point for the cor. of Tps. 31 and 32 N., Rs. 11 and 12 E., at proportionate dist.; there is no remaining evidence of the original cor.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 15 ins. in the ground, over a steel fence post, driven 5 ft. into the sand, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., firmly set, 20 ins. in the ground, encircled with a collar of stone, for a reference monument, bears N. 22°53′ E., 102.3 ft. dist., with brass cap mkd. RM T32N R12E 102.3 FT TO COR S31 1996 with an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

Set a steel fence post near the stainless steel post

CHAINS

Cor. is located on the E. edge of a sandy wash, 3 ft. deep, 10 ft. wide, drains NE.

From this cor. point, the 1/4 sec. cor. of secs. 6 and 31, Tps. 31 and 32 N., R. 12 E., bears N. 89°51′ E., 38.39 chs. dist., monumented with a stainless steel post, firmly set, projecting 8 ins. above ground, in a mound of stone, 3 ft. base to top, with brass cap mkd. T32N R12E S31 1/4 S6 T31N 1996, as described in the dependent resurvey of a portion of the south bdy., T. 32 N., R. 12 E., executed concurrently under this same assignment.

From this same cor. point, the cor. of secs. 1, 6, 7 and 12, Tps. 31 N., Rs. 11 and 12 E., bears S. O°O1' W., 79.98 chs. dist., monumented with a stainless steel post, firmly set, projecting 6 ins. above ground, with brass cap mkd. T31N R11E R12E S1 S6 S12 S7 1996, as described in the dependent resurvey of the east bdy., T. 31 N., R. 11 E., executed concurrently under this same assignment.

From this cor. same point, U.S. Coast and Geodetic Survey triangulation station "TUBA CITY 1951", with published latitude of 36°08′00.0068 N., and published longitude of 111°13′23.5361" W., NAD 83 (1992), monumented with a brass tablet, 3 1/2 ins. diam., firmly set, in concrete, flush with the surface of the ground, with brass cap faintly mkd. USC & GS TUBA CITY 1951 and a triangle, bears N. 60°56′58" W., (forward bearing) 333.81 chs. dist. The azimuth mark of "TUBA CITY" was in good order and was used to verify the basis of bearing of this survey.

N. 89°57′ W., bet. secs. 1 and 36, on the S. bdy. of the Tp., over eroded, broken lands.

40.03

True point for the 1/4 sec. cor. of secs. 1 and 36, at proportionate dist.; there is no remaining evidence of the original witness cor. or the 1907 witness cor., position falls in Moenkopi Wash, subject to destruction by erosion, where it is impracticable to establish a permanent monument.

From this point, the point selected for a witness cor. to the 1/4 sec. cor. of secs. 1 and 36, bears S. 57°42′ W., 5.87 chs. dist.

Set an aluminum rod, 36 ins. long, 3/4 in. diam., 34 ins. in the ground, with a mound of stone, 3 ft. base, 2 ft. high, to the N., with aluminum cap mkd.

	1. 32 N., R. 11 E., Gila and Sait River Meridian, Arizona
CHAINS	
	WC T32N R11E S36 1/4 ————————————————————————————————————
80.06	The cor. of secs. 1, 2, 35 and 36, monumented with a limestone, $22 \times 10 \times 4$ ins., firmly set, projecting 4 ins. above ground, mkd. 32N on NE face, T31N on SW face, 1 notch on the E. edge, and 5 notches on the W. edge.
	At the cor. point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T32N R11E S35 S36
	S 2 S 1 T31N 1996
	Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post and bury the original stone alongside the stainless steel post.
	Set a steel fence post near the stainless steel post.
	S. 89°55′ W., bet. secs. 2 and 35.
39.98	The 1/4 sec. cor. of secs. 2 and 35, monumented with a limestone, $15 \times 6 \times 4$ ins., firmly set, projecting 2 ins. above ground, mkd. $1/4$ on N. face
	At the cor. point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T32N R11E S35 1/4 —— S 2 T31N 1997

CHAINS	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post and bury the original stone alongside the stainless steel post.
	Set a steel fence post near the stainless steel post.
	S. 89°57′ W., beginning new measurement.
40.03	The cor. of secs. 2, 3, 34 and 35, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, 2 ins. below the surface of ground, with a mound of stone, 3 ft. base, 2 ft. high, to the N., with brass cap mkd. T32N R11E S34 S35 S3 S2 T31N 1988. Add the marks 1997 to the brass cap.
	Restoring the resurvey executed by William F. Olver and Daniel N. Patterson in 1988-90
	N. 89°31′ W., bet. secs. 3 and 34.
35.50	Center line of Arizona State Highway 264, asphalt pavement, 40 lks. wide, bears SE and NW.
39.75	The 1/4 sec. cor. of secs. 3 and 34, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, 24 ins. below the surface of ground, with brass cap mkd. T32N R11E S34 1/4 S3 T31N 1988. Add the marks 1997 to the brass cap.
	Cor. is located in a cultivated field.
	S. 89°52′ W., beginning new measurement.
28.97	Intersect line 1-2, Tract 52, point for the closing cor. of secs. 3 and 34; there is no remaining evidence of the original cor. Cor. falls on the edge of an irrigation ditch where it is impracticable to establish a permanent monument.
	From this point, cor. 1, Tract 52, bears S. 0°53' E., 3.82 chs. dist., hereinafter described.
	Thence continue, on a blank line, across the Tracts.
39.96	The cor. of secs. 3, 4, 33 and 34, determined from the 1988 reference monuments. This cor. now functions as an angle point which still controls the surveys in the adjacent Tps.
	from which reference monuments established in 1988

CHAINS

- A stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, bears N. 85°08′ E., 143.43 ft. dist., with brass cap mkd. T32N R11E S34 RM 143.43 FT TO COR 1988, and an arrow pointing SW. Add the marks 1997 to the brass cap. (Record: N. 85°17′ E.)
- A stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, bears S. 5°04′ E., 112.53 ft. dist., with brass cap mkd. T31N R11E S3 RM 112.53 FT TO COR 1988, and an arrow pointing NW. Add the marks 1997 to the brass cap.

True position falls in Moenkopi Wash, not monumented.

N. 89°54' W., on a blank line.

40.26

The 1/4 sec. cor. of secs. 4 and 33, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, 34 ins. below the surface of the ground, with brass cap mkd. T32N R11E S33 1/4 S4 T31N 1988. This cor. now functions as an angle point which still controls the surveys in the adjacent Tps. Impracticable to change the marks on the brass cap.

N. 89°51' W., on a blank line, beginning new measurement.

40.21

The cor. of secs. 4, 5, 32 and 33, determined from the 1988 reference monuments. This cor. now functions as an angle point which still controls the surveys in the adjacent Tps.

from which reference monuments established in 1988

- A stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above ground, bears S. 72°32′ W., 100.39 ft. dist., with brass cap mkd. T31N R11E S5 RM 100.39 FT TO COR 1988, and an arrow pointing NE. Add the marks 1997 to the brass cap.
- A stainless steel post, 2 1/2 ins. diam., firmly set, flush with ground, bears N. 17°38′ W., 65.70 ft. dist., with brass cap mkd. T32N R11E S32 RM 65.70 FT TO COR 1988, and an arrow pointing SE. Add the marks 1997 to the brass cap.

True position falls in Moenkopi Wash, not monumented.

N. 89°51' W., on a blank line.

CHAINS	
1.00	The angle point bet. secs. 5 and 32, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd. AP T32N R11E S32 S5 T31N 1989. Add the marks 1998 and remove the marks T32N R11E S32 S5 T31N from the brass cap.
	N. 89°47′ W., on a blank line, beginning new measurement.
17.96	Point for AP 107, identical with AP 1, T. 31 N., R. 11 E., at intersection with line 3-4, Tract 43, identical with line 1-2, Tract 42, on the Hopi and Navajo Partition Line, hereinafter described.
	From this point, cor. 4, Tract 43, identical with cor. 1, Tract 42, bears S. 0°03' W., 5.07 chs. dist., hereinafter described.
18.98	The E. 1/16 sec. cor. of secs. 5 and 32, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd. T32N R11E S32 E 1/16 S5 T31N 1988. This cor. now functions as an angle point. Add the marks AP 1998 and remove the marks T32N R11E S32 E 1/16 S5 T31N from the brass cap.
	N. 89°47′ W., on a blank line, beginning new measurement.
19.99	The 1/4 sec. cor. of secs. 5 and 32, monumented with an aluminum post, 1 in. diam., firmly set, projecting 2 ins. above sandstone bedrock, with aluminum cap mkd. T32N R11E S32 1/4 S5 T31N 1988. This cor. now functions as an angle point which still controls the surveys in the adjacent Tps. Add the marks AP 1997 and remove the marks T32N R11E S32 1/4 S5 T31N from the aluminum cap.
	N. 89°55′ W., on a blank line, beginning new measurement.
18.47	The closing cor. of secs. 5 and 32, at intersection with line 3-4, Tract 41, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, 28 ins. below the surface of ground, with brass cap mkd. T32N R11E S32 CC TR41 S5 T31N 1989. Add the marks 1997 to the brass cap.
	Leave Tracts, continue bet. secs. 5 and 32.
31.61	Point for AP 108, identical with AP 20, T. 31 N., R. 11 E., on the Hopi and Navajo Partition Line, hereinafter described.
39.90	The cor. of secs. 5, 6, 31 and 32, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd. T32N R11E S31 S32 S6 S5 T31N 1988.

	T. 32 N., R. 11 E., Gila and Sait River Meridian, Arizona
CHAINS	
	Add the marks 1997 to the brass cap.
	N. 89°50' W., bet. secs. 6 and 31.
7.42	Point for AP 116, identical with AP 21, T. 31 N., R. 11 E., hereinafter described.
19.99	The E. 1/16 sec. cor. of secs. 6 and 31, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with a steel fence post set nearby, with brass cap mkd. T32N R11E S31 E 1/16 S6 T31N 1988. Add the marks 1997 to the brass cap.
	Dependent Resurvey of a Portion of the East Boundary, T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona
	Restoring the resurvey executed by Sidney E. Blout in 1907-1908
	From the cor. of Tps. 31 and 32 N., Rs. 11 and 12 E., hereinbefore described.
	N. 0°10' E., bet. secs. 31 and 36, on the E. bdy. of the Tp.
	Desc. gradually over rolling, sandy terrain, vegetation of sagebrush and grasses.
18.30	Top of bank, desc. 30 ft. into Moenkopi Wash.
18.70	Left bank of Moenkopi Wash, drains SW.
19.21	Point for AP 1, identical with AP 76, T. 32 N., R. 12 E., on the Hopi and Navajo Partition Line, at the middle of the stream bed of Moenkopi Wash.
	from which
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set, 22 ins. in the ground, encircled with a collar of stone, for a reference monument, bears N. 6°36′ E., 248.4 ft. dist., with brass cap mkd. RM T32N R12E 248.4 FT TO AP76 S31 1996 with an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post. Set a steel fence post near the stainless steel post.
	Thence along the Hopi and Navajo Partition Line.

	1. 32 N., R. II E., Gila and Salt River Meridian, Arizona
19.72	Right bank of Moenkopi Wash, drains SW, asc. 30 ft.
21.40	Top of bank, begin gradual ascent over sagebrush.
24.97	A limestone, 15 x 12 x 5 ins., lying loosely on the surface of the ground, in a scattered mound of stone, mkd. H67 on a face, bears West, 5 lks. dist.
29.99	A limestone, 9 x 5 ins., firmly set, projecting 6 ins. above ground, mkd. H66 on a face, bears West, 5 lks dist.
39.95	Point for the 1/4 sec. cor. of secs. 31 and 36, identical with AP 2, on the Hopi and Navajo Partition Line, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.
	T32N 1/4 R11E R12E S36 S31 1996
	Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.
	Set a steel fence post near the stainless steel post.
79.60	Point for the cor. of secs. 25, 30, 31 and 36, identical with AP 3, on the Hopi and Navajo Partition Line, on the E. bdy. of the Tp., at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 19 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T32N R11E R12E S25 S30
	S36 S31 1996
	Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.
	Set a steel fence post near the stainless steel post

	1. 32 N., R. II L., Gila and Sait River Meriulan, Arizona
CHAINS	Restoring the survey executed by
	Philip Contzen in 1905
	N. 0°04' E., bet. secs. 25 and 30.
25.30	Point for AP 4, on the Hopi and Navajo Partition Line, hereinafter described.
	Leave the Hopi and Navajo Partition Line.
39.99	Point for the 1/4 sec. cor. of secs. 25 and 30, at proportionate dist.; there is no remaining evidence of the original cor.
·	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T32N
	1/4 R11E R12E
	S25 S30
	1996
	Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.
	Set a steel fence post near the stainless steel post
79.98	The cor. of secs. 19, 24, 25 and 30, monumented with a blue limestone, 18 x 8 x 5 ins., lying loosely on the surface of the ground, in a scattered mound of stone, mkd. R11E on a face, R12E on a face, and with a chiselled "X" on the top of the stone. This is accepted as the best available evidence of the original cor. position.
	At the cor. point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T32N
	R11E R12E S24 S19
	S25 S30 1996
L	1

CHAINS

Deposit a magnet in a $1 \times 1 \times 2$ 5/8 ins. white plastic case beneath the stainless steel post and incorporate the original stone in the mound of stone, alongside the stainless steel post.

Set a steel fence post near the stainless steel post

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona

Restoring the survey executed by Philip Contzen in 1905

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., hereinbefore described.

N. 89°34' W., bet. secs. 25 and 36.

40.25

The 1/4 sec. cor. of secs. 25 and 36, monumented with a blue limestone, $16 \times 8 \times 6$ ins., lying loosely on the surface of the ground, mkd. 1/4 S25 on a face, S36 on a face, and with a chiselled "X" on the top of the stone. This is accepted as the best available evidence of the original cor. position.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T32N R11E S25 1/4 —— S36 1996

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post and bury the inverted original stone alongside the stainless steel post.

Cor. is located in sand dunes.

N. 89°55′ W., beginning new measurement.

39.95

The cor. of secs. 25, 26, 35 and 36, monumented with a blue limestone, $18 \times 6 \times 6$ ins., firmly set, 24 ins. below ground, mkd. with 1 notch on the SE cor., 1 notch on the SW cor., 32N on the E. face, and 11E on the S. face.

CHAINS

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T32N R11E S26 | S25 S35 | S36 1996

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post and bury the original stone alongside the stainless steel post.

Cor. is located in sand dunes.

N. 0°05' E., bet. secs. 25 and 26.

24.945 Point for AP 6, on the Hopi and Navajo Partition Line, hereinafter described.

39.97

The 1/4 sec. cor. of secs. 25 and 26, monumented with a blue limestone, $11 \times 7 \times 6$ ins., lying loosely on the surface of the ground, mkd. 1/4 S26 on a face, 25 on another face, and with a chiselled "X" on top of the stone. This is accepted as the best available evidence of the original cor. position.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T32N R11E 1/4 S26 | S25 1996

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post and bury the original stone alongside the stainless steel post.

From the cor. of secs. 25, 26, 35 and 36.

N. 89°51' W., bet. secs. 26 and 35.

	T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona
CHAINS	
39.98	The 1/4 sec. cor. of secs. 26 and 35, monumented with an aluminum post, 1 in. diam., firmly set, on a sandstone outcropping, in a drill hole, and in concrete, projecting 3 ins. above ground, with aluminum cap mkd. T32N R11E 1/4 S26 S35 1988. Add the marks 1996 to the aluminum cap. The original limestone, 16 x 6 x 5 ins., mkd. 1/4 S26 on a face, and S35 on another face, lies loosely alongside the aluminum post, on the sandstone surface.
	Restoring the resurvey executed by William F. Olver and Daniel N. Patterson in 1988-90
	S. 89°51′ W., beginning new measurement.
39.99	The cor. of secs. 26, 27, 34 and 35, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, 2 ins. below ground, with brass cap mkd. T32N R11E S27 S26 S34 S35 1988. Add the marks 1996 to the brass cap.
	N. 0°01' W., bet. secs. 26 and 27.
24.95	Point for AP 8, on the Hopi and Navajo Partition Line, hereinafter described.
39.96	The 1/4 sec. cor. of secs. 26 and 27, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. T32N R11E 1/4 S26 S27 1988. Add the marks 1996 to the brass cap.
	Restoring the survey executed by Philip Contzen in 1905
	From the cor. of secs. 10, 11, 14 and 15, monumented with a mound of stone, 3 ft. base, 1 ft. high, with a mound of stone 3 ft. base, 2 ft. high, W, of the cor. This is accepted as the best available evidence of the original cor. position.
	At the cor. point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 8 ins. in the ground, over an "X" chisled in bed rock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.
1	į l

CHAINS				
			T32N	R11E
			S10	S11
	1			

Deposit 2 32d nails beneath the stainless steel post.

N. 0 08' E., bet. secs. 10 and 11.

The 1/4 sec. cor. of secs. 10 and 11, monumented with a blue limestone, 19 x 9 x 4 ins., lying loosely on the surface of the ground, mkd. 1/4 11 on a face, and 11 on another face. This is accepted as the best available evidence of the original cor. position.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., over an "X" chisled in bed rock, and in a mound of stone, 3 ft. base, 2 ft. high,, with brass cap mkd.

T32N R11E 1/4 S10 | S11 1999

Deposit 2 32d nails beneath the stainless steel post and place the original stone in the mound of stone, alongside the stainless steel post.

Restoring the resurvey executed by William F. Olver and Daniel N. Patterson in 1988-90

From the 1/4 sec. cor. of secs. 33 and 34, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. T32N R11E 1/4 S33 S34 1988. Add the marks 1998 to the brass cap.

S. 0°16' E., bet. secs. 33 and 34.

23.96 Intersect line 2-3, Tract 51, point for the closing cor. of secs.

33 and 34; there is no remaining evidence of the original cor.

From this point, cor. 2, Tract 51, identical with cor. 3, Tract 52, bears N. 89°37′ E., O.81 chs. dist., hereinafter described.

Thence, on a blank line across the Tract.

CHAINS	
40.08	The cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., now an angle point.
	From the S. 1/16 sec. cor. of secs. 27 and 28, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd. T32N R11E S 1/16 S28 S27 1988. Add the marks 1996 to the brass cap.
	N. 0°04' W., bet. secs. 27 and 28.
2.59	Southerly right-of-way of U.S. Highway 160, parallels highway.
3.73	The witness point bet. secs. 27 and 28, identical with the point for AP 86 of the Hopi and Navajo Partition Line, at intersection with the center line of U.S. Highway 160; falls in center of the highway, where it is still impracticable to establish a permanent monument.
	from which reference monuments established in 1988
	A stainless steel post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, bears S. 8°43′ E., 75.50 ft. dist., with brass cap mkd. T32N R11E WP S27 RM 75.50 FT TO COR 1988, with an arrow pointing to the cor. point. Add the marks 1996 to the brass cap.
	A stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, bears N. 8°47′ W., 199.50 ft. dist., with brass cap mkd. T32N R11E WP S28 RM 199.50 FT TO COR 1988, with an arrow pointing to the corpoint. Add the marks 1996 to the brass cap.
6.76	Northerly right-of-way of U.S. Highway 160, parallels highway.
9.30	Intersect line 84-85 of the metes-and-bounds survey of the Hopi and Navajo Partition Line.
20.02	The 1/4 sec. cor. of secs. 27 and 28, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set 6 ins. below ground, with brass cap mkd. T32N R11E 1/4 S28 S27 1988. Add the marks 1996 to the brass cap.
	Cor. is located on the E. edge of a trail road, bears N. and S.
	N. O°O4' W., beginning new measurement.
34.75	Intersect line 19-20 of the metes-and-bounds survey of the Hopi and Navajo Partition Line.

CHAINS	The SE Mr, Mr II II, and and out when her ratan, Mr II ond
40.04	The cor. of secs. 21, 22, 27 and 28, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, encircled with a collar of stone, with brass cap mkd. T32N R11E S21 S22 S28 S27 1988. Add the marks 1996 to the brass cap.
	N. 0°01' E., bet. secs. 21 and 22.
40.04	The 1/4 sec. cor. of secs. 21 and 22, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, encircled with a collar of stone, with brass cap mkd. T32N R11E 1/4 S21 S22 1988. Add the marks 1996 to the brass cap.
	N. 0°05' W., beginning new measurement.
0.22	Intersect line 28-29 of the metes-and-bounds survey of the Hopi and Navajo Partition Line.
18.66	Point for AP 72, on the Hopi and Navajo Partition Line, hereinafter described.
	Thence along the Hopi and Navajo Partition Line.
40.64	The cor. of secs. 15, 16, 21 and 22, identical with AP 71 on the Hopi and Navajo Partition Line, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd. T32N R11E S16 S15 S21 S22 1988. Add the marks 1996 to the brass cap.
	From the 1/4 sec. cor. of secs. 15 and 22, monumented with an aluminum post, 1 in. diam., firmly set, projecting 2 ins. above ground, with a mound of stone, 3 ft. base, 1 ft. high, to the N., with aluminum cap mkd. T32N R11E 1/4 S16 S22 1988. Add the marks 1996 to the brass cap.
	N. 89°05' W., bet. secs. 15 and 22.
26.19	Intersect line 36-37 of the metes-and-bounds survey of the Hopi and Navajo Partition Line.
40.00	The cor. of secs. 15, 16, 21 and 22.
	N. O°08' W., bet. secs. 15 and 16.
	L

	T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona
CHAINS	
40.64	The 1/4 sec. cor. of secs. 15 and 16, monumented with an aluminum post, 1 in. diam., firmly set, in sandstone, in a drill hole, and in concrete, projecting 2 ins. above ground, with a mound of stone, 3 ft. base, 2 ft. high, to the W., with aluminum cap mkd. T32N R11E 1/4 S16 S15 1988. Add the marks 1996 to the aluminum cap.
	Restoring the survey executed by Philip Contzen in 1905
	N. O°33' E., beginning new measurement.
39.49	Point for the cor. of secs. 9, 10, 15 and 16, at proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T32N R11E S9 S10
	S16 S15 1996
	Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.
	Set a steel fence post near the cor.
	From the cor. of secs. 10, 11, 14 and 15.
3	N. 89°55′ W., bet. secs. 10 and 15.
39.99	The $1/4$ sec. cor. of secs. 10 and 15, monumented with a blue limestone, $16 \times 10 \times 6$ ins., lying loosely on the surface of the ground, with a scattered mound of stone, to the N., mkd. $1/4$ 10 on a face, S 15 on a face, and a chiselled "X" on top of the stone. This is accepted as the best available evidence of the original cor. position.
	At the cor. point

T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, to bedrock, in a mound of stone, 5 ft. base, to top, with brass cap mkd.
T32N R11E S10 1/4 ——
S15 1996
Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post and place the original stone in the mound of stone, alongside the stainless steel post.
N. 88°35′ W., beginning new measurement.
Intersect line 56-57 of the metes-and-bounds survey of the Hopi and Navajo Partition Line.
Intersect line 57-58 of the metes-and-bounds survey of the Hopi and Navajo Partition Line.
The cor. of secs. 9, 10, 15 and 16.
N. 1°18' E., bet. secs. 9 and 10.
Point for the 1/4 sec. cor. of secs. 9 and 10, at proportionate dist.; there is no remaining evidence of the original cor. Not monumented.
The cor. of secs. 3, 4, 9 and 10, monumented with a blue limestone, 19 \times 7 \times 5 ins., loosely set, projecting 16 ins. above ground, mkd. with 3 notches on the E. edge, 5 notches on the S. edge, and R11E on NW face.
At the cor. point
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.
T32N R11E S4 S3
S9 S10 1996

CHAINS

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post and bury the original stone alongside the stainless steel post.

Set a steel fence post near the stainless steel post.

From the 1/4 sec. cor. of secs. 3 and 10, monumented with a blue limestone, 19 x 8 x 8 ins., loosely set in a mound of stone, 3 ft. base, 1 ft. high, mkd. 1/4 3 on a face, and S10 on another face.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to bed rock, and in a mound of stone, 3 ft. base, 2 ft. high,, with brass cap mkd.

T32N R11E S 3 1/4 — S10 1999

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post and place the original stone in the mound of stone, alongside the stainless steel post.

S. 89°52' W., bet. secs. 3 and 10.

38.16 The cor. of secs. 3, 4, 9 and 10.

Restoring the resurvey executed by William F. Olver and Daniel N. Patterson in 1988-90

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

N. 89°56' W., bet. secs. 21 and 28.

- 3.43 Intersect line 20-21 of the metes-and-bounds survey of the Hopi and Navajo Partition Line.
- 14.87 Intersect line 80-81 of the metes-and-bounds survey of the Hopi and Navajo Partition Line.

077.4.73.70	1. 32 K., K. II E., Grid did Safe Kivel Meridian, Al izona
CHAINS	
40.02	The 1/4 sec. cor. of secs. 21 and 28, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with brass cap mkd. T32N R11E 1/4 S21 S28 1988. Add the marks 1996 to the brass cap.
	Restoring the survey executed by Philip Contzen in 1905
	From the cor. of 9, 10, 15 and 16.
	S. 88°50′ W., bet. secs. 9 and 16.
40.08	The 1/4 sec. cor. of secs. 9 and 16, monumented with an aluminum post, 1 in. diam., firmly set, in sandstone, in a drill hole, and in concrete, projecting 2 ins. above ground, with a mound of stone, 2 ft. base, 1 ft. high, to the N., with aluminum cap mkd. T32N R11E 1/4 S9 S16 1988. Add the marks 1996 to the aluminum cap.
	Restoring the resurvey executed by William F. Olver and Daniel N. Patterson in 1988-90
	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., hereinbefore described.
	North, bet. secs. 31 and 32, over cultivated land.
3.47	Intersect line 114-115 of the Hopi and Navajo Partition Line, in the middle of the stream bed of Moenkopi Wash.
19.19	The witness point on line bet. secs. 31 and 32 at intersection with the center line of U.S. Highway 160, monumented with a railroad spike, firmly set flush with pavement, with top mkd. BLM WP S31 S32 1988.
	from which reference monuments established in 1988
	A stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, bears S. 8°18′ E., 45.00 ft. dist., with brass cap mkd. T32N R11E WP S32 RM 45.00 FT TO COR 1988, with an arrow pointing to the cor.
	A stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, bears N. 8°18′ W., 55.00 ft. dist., with brass cap mkd. T32N R11E WP S31 RM 55.00 FT TO COR 1988, with an arrow pointing to the cor.
	· · · · · · · · · · · · · · · · · · ·

CHAINS

20.00

The S. 1/16 sec. cor. of secs. 31 and 32, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap. mkd. T32N R11E S 1/16 S31 S32 1988. Add the marks 1997 to the brass cap.

Dependent Resurvey of Tracts 43 through 52, T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona

Restoring the resurvey executed by Sidney E. Blout in 1907-1908 and William F. Olver and Daniel N. Patterson in 1988-90

Tract 43

From cor. 1, Tract 43, identical with cor. 4, Tract 60, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. T32N R11E TR43 TR60 1 4 S5 T31N R11E 1989. Add the marks 1998 to the brass cap.

N. 0°38' E., on line 1-2, Tract 43, identical with line 4-3, Tract 60.

10.03

Cor. 3, Tract 60, identical with cor. 4, Tract 59, on the E. bdy. of Tract 43, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. T32N R11E TR59 4 TR43 3 TR60 1989. Add the marks 1998 to the brass cap.

N. 0°24' W., beginning new measurement, on line 1-2, Tract 43, identical with line 4-3, Tract 59.

10.02

Cor. 2, Tract 43, identical with cor. 1, Tract 55, cor. 4, Tract 57, and cor. 3, Tract 59, at intersection of ancient post and barbed wire fences, 3 strand, with fence lines extending N., S., and W. This is consistent with long standing occupation lines, is reasonable as compared to record survey courses, and is accepted as the best available evidence of the original cor. position.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.

T32N	R11E
S	32
TR55	TR57
1	4
2	3
TR43	TR59

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

From this cor. point, cor. 4, Tract 45, identical with cor. 1, Tract 57, cor. 2, Tract 58, and cor. 3, Tract 64, bears N. 89°24′ E., 10.34 chs. dist., hereinafter described.

S. $88^{\circ}48'$ W., on line 2-3, Tract 43, identical with line 1-4, Tract 55.

10.00

Cor. 3, Tract 43, identical with cor. 1, Tract 39, cor. 2, Tract 42, and cor. 4, Tract 55, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with brass cap mkd. T32N R11E TR39 TR55 1 4 2 3 TR42 TR43 1989. Add the marks 1998 to the brass cap.

S. 0°03' W., on line 3-4, Tract 43, identical with line 2-1, Tract 42.

14.92

Point for AP 107, identical with AP 1, T. 32 N., R. 11 E., on the Hopi and Navajo Partition Line, at intersection with the S. bdy. of the ${\sf Tp}$.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.

Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

Dependent Resurvey of Tracts 43 through 52, T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona

CHAINS		
	Set a steel fence post near the stainless steel post.	
	From this cor. point, the angle point replacing the E. 1/16 sec. cor. of secs. 5 and 32, on the S. bdy. of the Tp., bears N. 89°47′ W., 1.02 chs. dist., hereinbefore described.	
19.99	Cor. 4, Tract 43, identical with cor. 1, Tract 42, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. T32N R11E TR42 TR43 1 4 S5 T31N R11E 1989. Add the marks 1997 on the brass cap.	
	from which a bearing object established in 1989	
	An X BO, chiseled on the NW face of a sandstone cliff, bears S. 28 1/4° E., 31 lks. dist.	
	N. 89°09' E., on line 4-1, Tract 43.	
9.97	Cor. 1, Tract 43, identical with cor. 4, Tract 60.	
	Restoring the resurvey executed by Sidney E. Blout in 1907-1908	
	Tract 44	
	From cor. 1, Tract 44, identical with cor. 2, Tract 50, and cor. 3, Tract 51, at intersection of ancient post and barbed wire fences, intermittent wire, with fence lines extending N., S., E., and W. This is consistent with long standing occupation lines, is reasonable as compared to record survey courses, and is accepted as the best available evidence of the original cor. position.	
	At the cor. point	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.	
	T32N R11E S33	
	TR44 1	
	2 3 TR50 TR51 1998	

CHAINS

from which

An aluminum rod, 72 ins. long, 3/4 in. diam., set 68 ins. in the ground, for a reference monument, bears S. 89°57′ W., 32.3 ft. dist., with brass cap mkd. RM T32N R11E S33 32.3 FT TO COR 2 TR 50 1998 with an arrow pointing to the cor.

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

Cor. is located on the W. edge of an irrigation ditch, 2 ft. wide, 1 ft. deep, drains S.

N. 0°33' W., on line 1-2, Tract 44.

- 7.45 Center line, Arizona State Highway 264, paved, 30 ft. wide, bears E. and WNW.
- 10.41 Cor. 2, Tract 44, monumented with a mound of stone, 3 ft. high, 2 ft. base. Mr. Elmer Selestewa, a resident of the area for many years furnished a signed statement, attesting to the cor. position, which is on file in the Group File for Group No. 828 at the Arizona State Office of the Bureau of Land Management, Branch of Cadastral Survey.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 16 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T32N R11E S33 2 TR44 1998

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

S. 88°43' W., on line 2-3, Tract 44.

20.18 Cor. 3, Tract 44, identical with cor. 2, Tract 62, monumented with a limestone, 19 x 10 x 6 ins., firmly set, projecting 6 ins. above ground, mkd. 3/44 on the SE face, and 2/62 on the SW face.

At the cor. point

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T32N R11E S33 2 3 TR62 TR44 1998

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post and bury the original stone alongside the stainless steel post.

S. 0°56' E., on line 3-4, Tract 44, identical with line 2-1, Tract 62.

4.975 Point for cor. 1, Tract 62, identical with cor. 2, Tract 63, on the W. bdy. of Tract 44, at proportionate dist.; there is no remaining evidence of the original cor. Not remonumented.

Continue on line 3-4, Tract 44, identical with line 2-1, Tract 63.

9.95 Cor. 4, Tract 44, identical with cor. 2, Tract 48, cor. 3, Tract 49, and cor. 1, Tract 63, monumented with a limestone, 16 x 10 x 4 ins., firmly set, projecting 7 ins. above ground, mkd. 4/44 on the NE face, 3/49 on the SE face, and 2/48 on the SW face.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T32N	R11E
S3	33
TR63	TR44
1	4
2	3
TR48	TR49
19	98

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. White plastic case beneath the stainless steel post and bury the original stone alongside the stainless steel post.

Dependent Resurvey of Tracts 43 through 52, T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona

CHAINS

Cor. is located at the intersection of barbed wire fences, 3 strand, with fence lines extending N., S., and E.

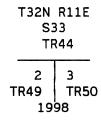
N. 89°27' E., on line 4-1, Tract 44, identical with line 3-2, Tract 49.

10.16

Cor. 2, Tract 49, identical with cor. 3, Tract 50, on the S. bdy. of Tract 44, monumented with a limestone, $18 \times 11 \times 6$ ins., firmly set, 18 ins. below the surface of ground mkd. 3/50 on the SE face, and 2/49 on the SW face.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.



Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post and bury the original stone alongside the stainless steel post.

Cor. is located at the intersection of ancient post and barbed wire fences, intermittent wire, with fence lines extending N., S., E. and W.

S. 89°21' E., on line 4-1, Tract 44, identical with line 3-2, Tract 50, beginning new measurement.

9.95

Cor. 1, Tract 44, identical with cor. 2, Tract 50, and cor. 3, Tract 51.

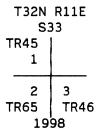
Tract 45

From cor. 1, Tract 45, identical with cor. 3, Tract 46, and cor. 2, Tract 65, at intersection of ancient post and barbed wire fences, 3 strand, with fence lines extending N., S., and W. This is consistent with long standing occupation lines, is reasonable as compared to record survey courses, and is accepted as the best available evidence of the original cor. position.

At the cor. point

CHAINS

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 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

Cor. is located on the S. edge of an irrigation ditch, 2 ft. wide, 1 ft. deep, drains W.

N. 0°35' E., on line 1-2, Tract 45.

9.87

Point for cor. 2, Tract 45, at proportionate dist., by the grant boundary method; there is no remaining evidence of the original cor.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

From this cor. point, a rebar, unknown origin, 1/2 in. diam., firmly set, projecting 9 ins. above ground, with a steel fence post set firmly alongside, bears N. $60^{\circ}41'$ W., 0.21 ch. dist.

S. 89°40' W., on line 2-3, Tract 45.

20.18

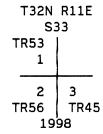
Cor. 3, Tract 45, identical with cor. 1, Tract 53, and cor. 2, Tract 56, at intersection of post and barbed wire fences, 3 strand, with fence lines extending S. and W. This is consistent with long standing occupation lines, is reasonable as compared to record survey courses, and is accepted as the best available evidence of the original cor. position.

CHAINS

10.01

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.



Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

From this cor. point, cor. 2, Tract 53, monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, 6 ins. below the surface of ground, mkd. T32N R11E S33 2 TR53 1989, bears N. 2°30′ W., 4.98 chs. dist. Add the marks 1998 to the brass cap.

S. 0°23′ W., on line 3-4, Tract 45, identical with line 2-1, Tract 56.

5.005 Point for cor. 1, Tract 56, identical with cor. 2, Tract 57, on the W. bdy. of Tract 45, at proportionate dist.; there is no remaining evidence of the original cor. Not remonumented.

Continue on line 3-4, Tract 45, identical with line 2-1, Tract 57.

Cor. 4, Tract 45, identical with cor. 1, Tract 57, cor. 2, Tract 58, and cor. 3, Tract 64, at intersection of post and barbed wire fences, 3 strand, with fence lines extending N., S. and E. This is consistent with long standing occupation lines, is reasonable as compared to record survey courses, and is accepted as the best available evidence of the original cor. position. The original limestone, $19 \times 10 \times 5$ ins., lying loosely on the surface of the ground, mkd. 3/64 on a face, was found several chains northerly of this position, in a disturbed state, in a cultivated field.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, with brass cap mkd.

T32N S3	
TR57 1	TR45
2 TR58	3 TR64 98

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post and bury the original stone alongside the stainless steel post.

N. $89^{\circ}16'$ E., on line 4-1, Tract 45, identical with line 3-2, Tract 64.

10.075

Point for cor. 2, Tract 64, identical with cor. 3, Tract 65, on the S. bdy. of Tract 45, at proportionate dist.; there is no remaining evidence of the original cor. Not remonumented.

Continue on line 4-1, Tract 45, identical with line 3-2, Tract 65.

20.15

Cor. 1, Tract 45, identical with cor. 3, Tract 46, and cor. 2, Tract 65.

Tract 46

From cor. 1, Tract 46, identical with cor. 4, Tract 47, and cor. 3, Tract 37, identical with cor. 2, Tract 38, T. 31 N., R. 11 E., monumented with a limestone, $15 \times 6 \times 4$ ins., loosely set, projecting 13 ins. above ground, mkd. 1/46 on a face, 3/37 on a face, and 4/47 on a face, at intersection of barbed wire fences, 3 strand, with fence lines extending N., E. and W.

At the cor. point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T32N R11E

TR46	TR47
1	4
2 TR38	3 TR37 98

CHAINS	
	Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post and bury the original stone alongside the stainless steel post.
	N. 0°14' W., on line 1-2, Tract 46, identical with line 4-3, Tract 47.
20.16	Point for cor. 2, Tract 46, identical with cor. 3, Tract 47, at proportionate dist. by the irregular boundary method; there is no remaining evidence of the original cor. position, falls on the edge of a limestone and concrete building foundation, near the NE cor. of the building, 13×9 ft., single story, where it is impracticable to establish a permanent monument.
	Chisel an "X" on the limestone foundation
	from which
	A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, for a reference monument, bears N. 78°35′ W., 30.4 ft. dist., with brass cap mkd. RM T32N R11E S33 30.4 FT TO COR 3 TRACT 47 1997 with an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	From this cor. point, the most southwesterly cor. of the former Mennonite Church of Lower Moenkopi Village, now used by members of the Hopi Indian Tribe as a community center, built of stone, 2 story, 16 x 19.5 ft., long side bears N. 87 1/2° E., bears N. 63°36′ E., 5.80 chs. dist.
	S. 89°31′ W., on line 2-3, Tract 46.
9.77	Cor. 3, Tract 46, identical with cor. 1, Tract 45, and cor. 2, Tract 65, hereinbefore described.
	S. O°19' W., on line 3-4, Tract 46, identical with line 2-1, Tract 65.
5.05	Point for cor. 1, Tract 65, identical with cor. 2, Tract 66, on the W. bdy. of Tract 46, at proportionate dist.; there is no remaining evidence of the original cor. Not remonumented.
	Continue on line 3-4, Tract 46, identical with line 2-1, Tract 66.
10.10	Point for cor. 1, Tract 66, identical with cor. 2, Tract 71, on the W. bdy. of Tract 46, at proportionate dist.; there is no remaining evidence of the original cor. Not remonumented.

CHAINS

Continue on line 3-4, Tract 66, identical with line 2-1, Tract 71.

20.20

Cor. 4, Tract 46, identical with cor. 1, Tract 71, and cor. 3, Tract 38, identical with cor. 2, Tract 39, T. 31 N., R. 11 E., at the point of intersection of the projection of an ancient fence line to the N. of this true position, and the projection of an ancient fence line to the E. of this true position. This procedure considers the harmony of long standing occupation lines, is reasonable as compared to record survey courses, and is accepted as the best available evidence of the original cor. position; true point falls in Moenkopi Wash, where it is impracticable to establish a permanent monument.

From this point, the point selected for a witness cor. bears $N.\ 0^{\circ}56'\ E.\ 1.01$ 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 T32N R11E

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

N. 89°18' E., on line 4-1, Tract 46, identical with line 3-2, Tract 38, T. 31 N., R. 11 E.

9.96

Cor. 1, Tract 46, identical with cor. 4, Tract 47, and cor. 3, Tract 37, identical with cor. 2, Tract 38, T. 31 N., R. 11 E.

Tract 47

From cor. 4, Tract 47, identical with cor. 1, Tract 46, and cor. 3, Tract 37, identical with cor. 2, Tract 38, T. 31 N., R. 11 E., hereinbefore described.

N. $88^{\circ}40'$ E., on line 4-1, Tract 47, identical with a portion of line 3-2, Tract 37, T. 31 N., R. 11 E.

CHAINS

10.02

Point for cor. 1, Tract 47, identical with cor. 4, Tract 48, on the N. bdy. of Tract 37, T. 31 N., R. 11 E., at single proportionate dist.; there is no remaining evidence of the original cor.

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

T32N	R11E
TR47	TR48
1	4
TR37 1998	

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

Cor. is located in an ancient post and barbed wire fence, $\bf 3$ strand, bears $\bf E.$ and $\bf W.$

N. 0°31' W., on line 1-2, Tract 47, identical with line 4-3, Tract 48.

20.05

Point for cor. 2, Tract 47, identical with cor. 3, Tract 48, and cor. 4, Tract 63, at single proportionate dist.; there is no remaining evidence of the original cor.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 34 ins. in the ground, with brass cap mkd.

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

Cor. is located in a gravel parkway between a cluster of stone houses in Lower Moenkopi Village.

S. 89°17′ W., on line 2-3, Tract 47.

CHAINS	
9.92	Cor. 3, Tract 47, identical with cor. 2, Tract 46, hereinbefore described.
	Tract 48
	From cor. 4, Tract 48, identical with cor. 1, Tract 47, on the N. bdy. of Tract 37, T. 31 N., R. 11 E., hereinbefore described.
	N. 88°40' E., on line 4-1, Tract 48, identical with a portion of line 3-2, Tract 37, T. 31 N., R. 11 E.
10.02	Cor. 1, Tract 48, identical with cor. 4, Tract 49, and cor. 2, Tract 37, T. 31 N., R. 11 E., at intersection of post and barbed wire fences, 3 strand, with fence lines extending N., E. and W. This is consistent with long standing occupation lines, is reasonable as compared to record survey courses, and is accepted as the best available evidence of the original cor. position.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	At the cor. point
	T32N R11E TR48 TR49 1 4
	TR37 S4 1998
	Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.
	N. 0°57' W., on line 1-2, Tract 48, identical with line 4-3, Tract 49.
19.94	Cor. 2, Tract 48, identical with cor. 4, Tract 44, cor. 3, Tract 49, and cor. 1 Tract 63, hereinbefore described.
	S. 89°17′ W., on line 2-3, Tract 48, identical with line 1-4, Tract 63.
9.86	Cor. 3, Tract 48, identical with cor. 2, Tract 47, and cor. 4, Tract 63, hereinbefore described.

CHAINS	The State Res II and and Safe Reven the retain, An Izona
	Tract 49
	From cor. 4, Tract 49, identical with cor. 1, Tract 48, and cor. 2, Tract 37, T. 31 N., R. 11 E., hereinbefore described.
	S. 89°49' E., on line 4-1, Tract 49.
10.17	Point for cor. 1, Tract 49, identical with cor. 4, Tract 50, at single proportionate dist.; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.
	T32N R11E TR49 TR50 1 4
	S4 1998
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	N. O°58' W., on line 1-2, Tract 49, identical with line 4-3, Tract 50.
20.07	Cor. 2, Tract 49, identical with cor. 3, Tract 50, on the S. bdy. of Tract 44, hereinbefore described.
	Tract 50
	From cor. 4, Tract 50, identical with cor. 1, Tract 49, hereinbefore described.
	S. 89°49' E., on line 4-1, Tract 50.
9.94	Cor. 1, Tract 50, identical with cor. 4, Tract 51, monumented with a limestone, $19 \times 15 \times 7$ ins., firmly set, projecting 3 ins. above ground, mkd. 4 50 on the NW face, with illegible markings on the NE face.
	At the cor. point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, encircled with a collar of stone, with brass cap mkd.

Dependent Resurvey of Tracts 43 through 52, T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona

CHAINS		
	T32N R11E TR50 TR51 1 4 S4 T31N 1997	
	Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post and bury the original stone alongside the stainless steel post.	
	Set a steel fence post near the stainless steel post.	
	N. 0°57' W., on line 1-2, Tract 50, identical with line 4-3, Tract 51.	
19.99	Cor. 2, Tract 50, identical with cor. 1, Tract 44, and cor. 3, Tract 51, hereinbefore described.	
	Tract 51	
	From cor. 4, Tract 51, identical with cor. 1, Tract 50, hereinbefore described.	
	N. 89°37' E., on line 4-1, Tract 51.	
10.00	Point for cor. 1, Tract 51, identical with cor. 4, Tract 52, at single proportionate dist.; there is no remaining evidence of the original cor.	
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, with brass cap mkd.	
	T32N R11E TR51 TR52 1 4 	
	T31N 1998	
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.	
	N. 0°55' W., on line 1-2, Tract 51, identical with line 4-3, Tract 52.	

Dependent Resurvey of Tracts 43 through 52, T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona

	1. 32 N., R. II E., Gila and Salt River Meridian, Arizona
CHAINS	
19.99	Point for Cor. 2, Tract 51, identical with cor. 3, Tract 52, at proportionate dist. by the grant boundary method; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.
	T32N R11E S 34
	2 3 TR51 TR52 1998
	Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.
	S. 89°37′ W., on line 2-3, Tract 51.
0.81	The point for the closing cor. of secs. 33 and 34, hereinbefore described.
	From this point, the 1/4 sec. cor. of secs. 33 and 34, bears N. O°16' W., 23.96 chs. dist., hereinbefore described.
10.01	Cor. 3, Tract 51, identical with cor. 1, Tract 44, and cor. 2, Tract 50, hereinbefore described.
	Tract 52
	From cor. 4, Tract 52, identical with cor. 1, Tract 51, hereinbefore described.
	N. 89°37' E., on line 4-1, Tract 52.
10.00	Cor. 1, Tract 52, at proportionate dist., by the grant boundary method; there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 50 ins. in the ground, with brass cap mkd.
	T32N R11E TR52 1
	S3 1998

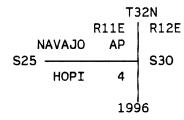
Dependent Resurvey of Tracts 43 through 52, T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona

CHAINS	
	Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case and 2 standard railroad spikes beneath the stainless steel post.
	Cor. is located in a cultivated field.
	N. O°53' W., on line, 1-2, Tract 52.
3.82	The point for the closing cor. of secs. 3 and 34, Tps. 31 and 32 N., R. 11 E., hereinbefore described.
	From this point, the 1/4 sec. cor. of secs. 3 and 34, bears N. 89°52' E., 28.97 chs. dist., hereinbefore described.
19.99	Cor. 2, Tract 52, monumented with a limestone, 14 x 7 x 6 ins., loosely set, projecting 12 ins. above ground, mkd. 2 52 on the SW face.
	At the cor. point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T32N R11E
	2 \$34
	TR 52 1997
	Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post and bury the original stone alongside the stainless steel post.
	Set a steel fence post near the stainless steel post.
	S. 89°37′ W., on line 2-3, Tract 52.
10.01	Cor. 3, Tract 52, identical with cor. 2, Tract 51, hereinbefore described.
	Metes-and-Bounds Survey of the Hopi and Navajo Partition Line, T. 32 N., R. 11 E., Gila and Salt River Meridian, Arizona
	The following boundary is based upon the legal description provided in the 816 Federal Supplement 1387, District of Arizona, 1992, Attachment B, in the case of Masayesva v. Zah.

CHAINS

From the point for AP 4, on the Hopi and Navajo Partition Line, on the line bet. secs. 25 and 30, on the E. bdy. of the Tp.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.



Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. White plastic case beneath the stainless steel post.

Set a steel fence post near the stainless steel post

From this cor. point, the 1/4 sec. cor. of secs. 25 and 30, hereinbefore described, bears N. 0°04' E., 14.69 chs. dist.

West, on line 4-5, on the Hopi and Navajo Partition Line, over rolling and sandy terrain.

40.00 Point for AP 5.

> Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

> > AP5 T32N R11E **S25 NAVAJO** HOPI 1996

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

Set a steel fence post near the stainless steel post.

West, on line 5-6, on the Hopi and Navajo Partition Line.

40.20 Point for AP 6, on the line bet. secs. 25 and 26.

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

AP6 T32N R11E S26 | S25 NAV AJO HO PI 1996

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

Set a steel fence post near the stainless steel post.

From this cor. point, the 1/4 sec. cor. of secs. 25 and 26, hereinbefore described, bears N. 0°05′ E., 15.025 chs. dist.

West, on line 6-7, on the Hopi and Navajo Partition Line, over rolling and sandy terrain.

40.00

Point for AP 7.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

HOPI 1996

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

Set a steel fence post near the stainless steel post.

West, on line 7-8, on the Hopi and Navajo Partition Line.

40.00

Point for AP 8, on the line bet. secs. 26 and 27.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

CHAINS AP8 T32N R11E S27 | S26 NAV AJO HO PI 1996 Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post. Set a steel fence post near the stainless steel post. From this cor. point, the 1/4 sec. cor. of secs. 26 and 27, hereinbefore described, bears N. 0°01' W., 15.01 chs. dist. West, on line 8-9, on the Hopi and Navajo Partition Line, over rolling and sandy terrain. 40.00 Point for AP 9. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 21 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd. AP9 T32N R11E **S27** NAVAJO HOPI 1996 Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post. Set a steel fence post near the stainless steel post. West, on line 9-10, on the Hopi and Navajo Partition Line. 28.60 Point for AP 10, on the southerly right-of-way of U.S. Highway 160, on a curve. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

CHAINS

AP10 T32N R11E S27 NAVAJO HOPI 1996

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

Cor. is located in a barbed wire fence, 4 strand, bears ENE and WSW, and 25 lks. ENE of the center of a cattle guard on the southerly R.O.W. of U.S. Highway 160.

From this cor. point, a southerly R.O.W. equation station 61+25.20 BK = 61+44.40 AH, monumented with an iron pipe 1/2 in. diam., firmly set in concrete, projecting 30 ins. above ground, with an angle iron, 4 ins. x 4 ins., firmly set, projecting 2 ft. above ground, 2 ft. to the W., bears N. $70^{\circ}10'55$ " E., 51.687 chs. dist.

From this same cor. point, a southerly R.O.W. station 22+15.20, monumented with a brass tablet, 3 1/2 ins. diam., firmly set, in concrete, 3 ins. above ground, mkd. ELEV STA 19, with an angle iron, 4 ins. x 4 ins., firmly set, projecting 2 ft. above ground, 2 ft. to the W., bears S. $79^{\circ}55'40''$ W., 7.760 chs. dist.

N. 26°49′ W., on line 10-11, across U.S. Highway 160, on the Hopi and Navajo Partition Line.

- 1.19 | Center of pavement, U.S. Highway 160, bears ENE and WSW.
- 4.33 Northerly R.O.W. fence, U.S. Highway 160, woven wire and barbed, bears ENE and WSW.
- 4.49 | Point for AP 11.

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



CHAINS

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

N. 27°34′ W., on line 11-12, on the Hopi and Navajo Partition Line, along the easterly side of a trail road.

4.62 Point for AP 12.

> Set an aluminum rod, 12 ins. long, 3/4 in. diam., 11 ins. in sandstone, in a drill hole, and in concrete, with aluminum cap mkd.

Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum rod.

Cor. is located on the W. edge of a sandstone outcropping.

N. 5°32′ W., on line 12-13, on the Hopi and Navajo Partition Line, along the easterly side of a trail road.

Point for AP 13. 5.69

> 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 $1 \times 1 \times 2 5/8$ ins. white plastic case beneath the stainless steel post.

N. 9°30' E., on line 13-14, on the Hopi and Navajo Partition Line, along the easterly side of a trail road.

5.37 Point for AP 14.

CHAINS

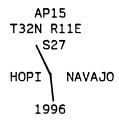
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

N. $2^{\circ}00'$ W., on line 14-15, on the Hopi and Navajo Partition Line, along the easterly side of a trail road.

4.54 | Point for AP 15.

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

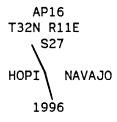


Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

N. 11°57′ W., on line 15-16, on the Hopi and Navajo Partition Line, along the easterly side of a trail road.

5.26 | Point for AP 16.

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



CHAINS

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

N. 18°31′ W., on line 16-17, on the Hopi and Navajo Partition Line, along the easterly side of a trail road.

6.91 | Point for AP 17.

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 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

N. $2^{\circ}35'$ W., on line 17-18, on the Hopi and Navajo Partition Line, along the easterly side of a trail road.

4.55 | Point for AP 18.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

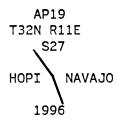
N. 15°09' W., on line 18-19, on the Hopi and Navajo Partition Line, along the easterly side of a trail road, diverging from the trail road to achieve a 200 ft. offset from the trail road at AP 19.

7.60 | Point for AP 19.

Form 9600-10a (November 1987) USDI-BLM

CHAINS Cot a stadular stad next 20 due languar

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.



Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

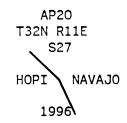
N. 32°12′ W., on line 19-20, on the Hopi and Navajo Partition Line, 200 ft. easterly of a trail road.

3.63 Intersect the line bet. secs. 27 and 28.

From this point, the cor. of secs. 21, 22, 27 and 28, hereinbefore described, bears N. 0°04′ W., 5.29 chs. dist.

9.52 | Point for AP 20.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.



Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

N. 44°41′ W., on line 20-21, on the Hopi and Navajo Partition Line, 200 ft. easterly of a trail road.

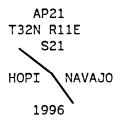
0.42 Intersect the line bet. secs. 21 and 28.

From this point, the cor. of secs. 21, 22, 27 and 28, hereinbefore described, bears S. 89°56′ E., 3.43 chs. dist.

5.27 | Point for AP 21.

CHAINS

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.



Deposit a magnet in a $1 \times 1 \times 2$ 5/8 ins. white plastic case beneath the stainless steel post.

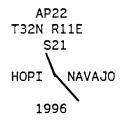
Cor. is located 200 ft. easterly of a trail road, and at the base of sandstone cliffs, 30 ft. high, bearing irregularly ESE and WNW.

N. 54°20′ W., on line 21-22, on the Hopi and Navajo Partition Line, 200 ft. easterly of a trail road.

Asc. sandstone cliffs and leave Pasture Canyon bottom lands.

4.83 Point for AP 22.

> Set an aluminum tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, in a drill hole in limestone, and in concrete, with top mkd.



Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum tablet.

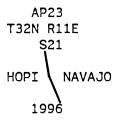
Cor. is located 200 ft. easterly of a trail road, on the plateau above Pasture Canyon, on a limestone outcropping, $10 \times 5 \times 2$ ft.

N. 27°33′ W., on line 22-23, on the Hopi and Navajo Partition Line, 200 ft. easterly of a trail road; along rocky terrain on the easterly plateau above Pasture Canyon.

1.90 Point for AP 23.

CHAINS

Set an aluminum rod, 12 ins. long, 3/4 in. diam., 12 ins. in limestone, in a drill hole, and in concrete, with aluminum cap mkd.

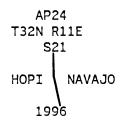


Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum rod.

N. 8°49′ W., on line 23-24, on the Hopi and Navajo Partition Line, 200 ft. easterly of a trail road; along rocky terrain on the easterly plateau above Pasture Canyon.

6.52 | Point for AP 24.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, to bedrock, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.



Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

N. $2^{\circ}51'$ W., on line 24-25, on the Hopi and Navajo Partition Line, 200 ft. easterly of a trail road; along rocky terrain on the easterly plateau above Pasture Canyon.

2.42 | Point for AP 25.

Set an aluminum rod, 12 ins. long, 3/4 in. diam., 12 ins. in sandstone, in a drill hole, and in concrete, with aluminum cap mkd.

CHAINS

AP25 T32N R11E S21 HOPI NAVAJO

Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum rod.

Cor. is located 200 ft. E. of the southerly tip of Pasture Canyon Reservoir.

N. 18°59' E., on line 25-26, on the Hopi and Navajo Partition Line, 200 ft. easterly of the high water mark of Pasture Canyon Reservoir; along rocky terrain on the easterly plateau above Pasture Canyon.

6.32 | Point for AP 26.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.



Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

N. 16°18' E., on line 26-27, on the Hopi and Navajo Partition Line, 200 ft. easterly of the high water mark of Pasture Canyon Reservoir; along rocky terrain on the easterly plateau above Pasture Canyon.

4.59 | Point for AP 27.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, to bedrock, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.

AP27 T32N R11E S21 HOPI NAVAJO

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

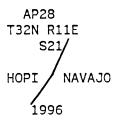
Cor. is located 40 lks. E. of a trail road, bears NNE and SSW.

N. 36°10' E., on line 27-28, on the Hopi and Navajo Partition Line, 200 ft. easterly of the high water mark of Pasture Canyon Reservoir; along rocky terrain on the easterly plateau above Pasture Canyon.

9.10 | Point for AP 28.

CHAINS

Set an aluminum rod, 12 ins. long, 3/4 in. diam., 12 ins. in sandstone, in a drill hole, and in concrete, with aluminum cap mkd.



Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum rod.

Cor. is located on the E. edge of a trail road, bears NE and SW.

N. 35°20' E., on line 28-29, on the Hopi and Navajo Partition Line, 200 ft. easterly of the high water mark of Pasture Canyon Reservoir; along rocky terrain on the easterly plateau above Pasture Canyon.

7.01 Intersect the line bet. secs. 21 and 22.

From this point, the 1/4 sec. cor. of secs. 21 and 22, hereinbefore described, bears S. 0°05' E., 0.22 ch. dist.

8.42 | Point for AP 29.

CHAINS

Set an aluminum rod, 12 ins. long, 3/4 in. diam., 4 ins. in sandstone, in a drill hole, and in concrete, encircled with a collar of stone, with aluminum cap mkd.



Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum rod.

N. 29°37' E., on line 29-30, on the Hopi and Navajo Partition Line, 200 ft. easterly of the high water mark of Pasture Canyon Reservoir; along rocky terrain on the easterly plateau above Pasture Canyon.

5.70 | Point for AP 30.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, to bedrock, in a mound of stone, 2 ft. base, to top, with brass cap mkd.



Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

N. 36°53' E., on line 30-31, on the Hopi and Navajo Partition Line, 200 ft. easterly of the high water mark of Pasture Canyon Reservoir; along rocky terrain on the easterly plateau above Pasture Canyon.

6.98 | Point for AP 31.

Set an aluminum tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, in a drill hole in sandstone, and in concrete, with top mkd.

CHAINS

AP31 T32N R11E S22 HOPI NAVAJO

Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum tablet.

Cor. is located on a sandstone outcropping, 15 \times 10 \times 5 ft.

N. 6°54′ E., on line 31-32, on the Hopi and Navajo Partition Line, 200 ft. easterly of the high water mark of Pasture Canyon Reservoir; along rocky terrain on the easterly plateau above Pasture Canyon.

3.30 | Point for AP 32.

Set a brass tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, in a drill hole in sandstone, and in concrete, with top mkd.

AP32
T32N R11E
S22
HOPI NAVAJO

Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the brass tablet.

N. 0°47′ W., on line 32-33, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.

Leave offset to the easterly high water mark of Pasture Canyon Reservoir.

6.92 Point for AP 33, occupied by an angle iron, 2 1/2 x 2 1/2 ins., firmly set, in sandstone, and in concrete, projecting 9 ins. above ground. Stamp the marks AP33 on the angle iron.

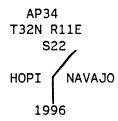
Scribe the marks "33" on the sandstone wall above the angle iron.

N. 31°34' E., on line 33-34, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.

CHAINS

1.98 | Point for AP 34.

Set a brass tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, in a drill hole in sandstone, and in concrete, with top mkd.

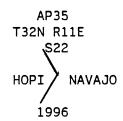


Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the brass tablet.

N. 48°49' E., on line 34-35, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.

3.82 | Point for AP 35.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 16 ins. in the ground, to bedrock, in a mound of stone, 3 ft. base, to top, with brass cap mkd.



Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

N. 13°22' W., on line 35-36, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.

7.08 | Point for AP 36.

Set an aluminum tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, in a drill hole in sandstone, and in concrete, with top mkd.

CHAINS AP36 T32N R11E S22 Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum tablet. N. 24°54′ E., on line 36-37, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon. 7.96 Intersect the line bet. secs. 15 and 22. From this point, the cor. of secs. 15, 16, 21 and 22, identical with AP 71, hereinbefore described, bears N. 89°05' W., 13.81 chs. dist. 18.41 Point for AP 37. Set an brass tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, in a drill hole in sandstone, and in concrete, with top mkd. AP37 T32N R11E S15 Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the brass tablet. Scribe the marks "37" on sandstone above the brass tablet. N. 17°45' E., on line 37-38, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon. 3.08 Point for AP 38. Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd.

CHAINS	
	AP38 BLM 1996
	Deposit small pieces of a magnet beneath the carriage bolt.
	Scribe the marks "38" on sandstone below the bolt.
	N. 66°13' E, on line 38-39, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.
1.84	Point for AP 39
	Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd.
	AP39 BLM 1996
	Deposit small pieces of a magnet beneath the carriage bolt.
	Scribe the marks "39" on sandstone above the bolt.
	N. 47°06' E., on line 39-40, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.
7.55	Point for AP 40.
	Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd.
	AP40 BLM 1996
	Deposit small pieces of a magnet beneath the carriage bolt.
	Scribe the marks "40" on sandstone above the bolt.
	N. 4°31' E., on line 40-41, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.
4.99	Point for AP 41.

CHAINS

Set an aluminum tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, in a drill hole in sandstone, and in concrete, with top mkd.

AP41 T32N R11E S15

HOPI NAVAJO

Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum tablet.

Scribe the marks "41" on sandstone above the aluminum tablet.

S. 89°13′ E., on line 41-42, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.

2.43 | Point for AP 42.

Set a carriage bolt, $2\ 1/2$ ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd.

AP42 BLM 1996

Deposit small pieces of a magnet beneath the carriage bolt.

Scribe the marks "42" on sandstone alongside the bolt.

Cor. is located 3 lks. S. of the terminus of a barbed wire fence, extends NE.

N. 35°52' E., on line 42-43, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon and along a 4 strand barbed wire fence that meanders irregularly to the NE.

7.51 | Point for AP 43.

Set a carriage bolt, $2\ 1/2$ ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd.

AP43 BLM 1996

CHAINS

Deposit small pieces of a magnet beneath the carriage bolt.

Scribe the marks "43" on sandstone alongside the bolt.

Cor. is located 5 lks. E. of a barbed wire fence, 4 strand, bears NE and SW.

N. $7^{\circ}22'$ E., on line 43-44, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.

3.73 | Point for AP 44.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.



Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

Cor. is located 1 1/2 lks. NE of a cor. of fences, woven wire and barbed wire, with fences extending S. and NW.

N. 51°17′ W., on line 44-45, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.

3.68 | Point for AP 45.

Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd.

AP45 BLM 1996

Deposit small pieces of a magnet beneath the carriage bolt.

Scribe the marks "45" on sandstone alongside the bolt.

N. 24°42' E., on line 45-46, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.

CHAINS Point for AP 46. 4.16 Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd. AP46 BLM 1996 Deposit small pieces of a magnet beneath the carriage bolt. Scribe the marks "46" on sandstone alongside the bolt. N. 26°53′ W., on line 46-47, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon. 3.65 Point for AP 47. Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd. AP47 BLM 1996 Deposit small pieces of a magnet beneath the carriage bolt. Scribe the marks "47" on sandstone below the bolt. N. 39°10' E., on line 47-48, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon. 2.72 Point for AP 48. Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd. AP48 BLM 1996 Deposit small pieces of a magnet beneath the carriage bolt. Scribe the marks "48" on sandstone above the bolt.

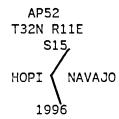
CHAINS N. 1°55' W., on line 48-49, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon. 4.79 Point for AP 49. Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd. AP49 BLM 1996 Deposit small pieces of a magnet beneath the carriage bolt. Scribe the marks "49" on sandstone alongside the bolt. N. 65°56′ W., on line 49-50, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon. 3.17 Point for AP 50. Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd. AP50 BLM 1996 Deposit small pieces of a magnet beneath the carriage bolt. N. 37°04′ W., on line 50-51, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon. 6.61 Point for AP 51. Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd. AP51 BLM 1996 Deposit small pieces of a magnet beneath the carriage bolt. Scribe the marks "51" on sandstone below the bolt.

CHAINS

N. 11°48′ W., on line 51-52, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.

7.36 | Point for AP 52.

Set an aluminum tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, in a drill hole in sandstone, and in concrete, with top mkd.



Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum tablet.

Scribe the marks "52" on sandstone alongside the aluminum tablet.

N. 29°20' E., on line 52-53, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.

3.82 | Point for AP 53.

Set a carriage bolt, $2\ 1/2$ ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd.

AP53 BLM 1996

Deposit small pieces of a magnet beneath the carriage bolt.

Scribe the marks "53" on sandstone above the bolt.

N. 1°40' E., on line 53-54, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.

4.46 | Point for AP 54.

Set a carriage bolt, $2\ 1/2$ ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd.

CHAINS	
	AP54 BLM 1996
	Deposit small pieces of a magnet beneath the carriage bolt.
	Scribe the marks "54" on sandstone below the bolt.
	N. 46°39' E., on line 54-55, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.
4.55	Point for AP 55.
	Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd.
	AP55 BLM 1996
	Deposit small pieces of a magnet beneath the carriage bolt.
	N. 26°47' E., on line 55-56, on the Hopi and Navajo Partition Line, along the easterly wall of Pasture Canyon.
4.15	Point for AP 56, at the easterly terminus of Government Pasture Fence.
	Set an aluminum tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, in a drill hole in sandstone, and in concrete, with top mkd.
	AP56 T32N R11E S15
	HOPI NAVAJO
	Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum tablet.
	Scribe the marks "56" on sandstone below the aluminum tablet.
	N. 57°21' W., on line 56-57, across Pasture Canyon, on the Hopi and Navajo Partition Line, along Government Pasture Fence with wooden posts and barbed wire.

CHAINS	
3.71	Intersect the line bet. secs. 10 and 15.
	From this point, the 1/4 sec. cor. of secs. 10 and 15, hereinbefore described, bears S. 88°35' E., 11.76 chs. dist.
4.33	Northwesterly cor. of Government Pasture Fence, with fences extending SE and SW.
6.52	Point for AP 57.
	Set an aluminum rod, 72 ins. long, 3/4 in. diam., 60 ins. in the ground, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.
	AP57
	T32N R11E S10
	NAVAJO
	VODT
	/ HOPI 1996
	S. 38°16' W., on line 57-58, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon.
1.82	Intersect the line bet. secs. 10 and 15.
	From this point, the cor. of secs. 9, 10, 15 and 16, hereinbefore described, bears N. 88°35' W., 24.73 chs. dist.
9.44	Point for AP 58.
	Set an aluminum tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, in a drill hole in sandstone, and in concrete, with top mkd.
	AP58 T32N R11E S15,
	NAVAJO / HOPI
	1996
	Deposit a cylindrical magnet, 3/4 x 1 in., beneath the aluminum tablet.
	S. 9°13' W., on line 58-59, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon.

CHAINS 7.24 Point for AP 59. Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd. AP59 BLM 1996 Deposit small pieces of a magnet beneath the carriage bolt. S. 41°56′ E., on line 59-60, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon. 1.29 Point for AP 60. Set an aluminum tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, in a drill hole in sandstone, and in concrete, with aluminum cap mkd. AP60 T32N R11E S15 1996 Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum tablet. S. 10°04′ W., on line 60-61, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon. 3.48 Point for AP 61. Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd. AP61 BLM 1996 Deposit small pieces of a magnet beneath the carriage bolt. S. 28°07' E., on line 61-62, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon.

CHAINS

18.33 | Point for AP 62.

Set an aluminum rod, 72 ins. long, 3/4 in. diam., 60 ins. in the ground, in a mound of stone, 3 ft. base, to top, with aluminum cap mkd.



S. 12°15′ W., on line 62-63, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon.

12.01 | Point for AP 63.

Set a carriage bolt, $2\ 1/2$ ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd.

AP63 BLM 1996

Deposit small pieces of a magnet beneath the carriage bolt.

Scribe the marks "63" on sandstone above the bolt.

Cor. is located at the terminus of a fence, 4 strand barbed wire, extends NNE.

S. 15°18' E., on line 63-64, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon.

6.09 Point for AP 64, occupied by an iron bolt with a 3/4 in. square head, firmly set, in a drill hole, in sandstone, projecting 6 ins. from sandstone wall. Stamp the marks AP64 BLM 1996 on the head of the bolt.

Scribe the marks "64" on the sandstone wall above the bolt.

Cor. is located at the terminus of a fence, 4 strand barbed wire, extends SE.

CHAINS S. 81°41' W., on line 64-65, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon. Point for AP 65. 1.52 Set an aluminum tablet, 3 1/2 ins. long, 3 1/2 ins. diam., 3 1/2 ins. in sandstone, in a drill hole, and in concrete, with aluminum cap mkd. AP65 T32N R11E S15 **NAVAJO** HOPI 1996 Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum tablet. S. 53°27′ W., on line 65-66, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon. 3.90 Point for AP 66. Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd. AP66 BLM 1996 Deposit small pieces of a magnet beneath the carriage bolt. Scribe the marks "66" on sandstone alongside the bolt. S. 28°01' W., on line 66-67, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon. 3.36 Point for AP 67. Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill

hole, through a 2 ins. diam. galvanized washer, in sandstone, and

in concrete, with washer mkd.

CHAINS	
	AP67
	BLM 1006
	1996
	Deposit small pieces of a magnet beneath the carriage bolt.
	S. 1°14' E., on line 67-68, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon.
4.35	Point for AP 68.
	Set a carriage bolt, 2 1/2 ins. long, 1/4 in. diam., in a drill hole, through a 2 ins. diam. galvanized washer, in sandstone, and in concrete, with washer mkd.
	AP68 BLM 1996
	Deposit small pieces of a magnet beneath the carriage bolt.
	S. 63°31' W., on line 68-69, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon.
3.86	Point for AP 69.
	Set an aluminum tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, in a drill hole in sandstone, and in concrete, with top mkd.
	AP69
	T32N R11E
	S15 NAVAJO
	NAVAGO
	HOPI 1996
	Deposit a cylindrical magnet, 3/4 x 1 in., beneath the aluminum tablet.
	S. 63°49' W., on line 69-70, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon.
13.01	Point for AP 70.
	Set an aluminum rod, 36 ins. long, 3/4 in. diam., 30 ins. in the ground, with aluminum cap mkd.

AP70 T32N R11E S15 NAVAJO

CHAINS

HOPI 1996

S. 28°08' W., on line 70-71, on the Hopi and Navajo Partition Line, along the westerly wall of Pasture Canyon.

Point for AP 71, identical with the cor. of secs. 15, 16, 21 and 22, hereinbefore described.

S. 0°05' E., on line 71-72, identical with the line bet. secs. 21 and 22, on the Hopi and Navajo Partition Line, along the west side of Pasture Canyon.

21.98 Point for AP 72, on the line bet. secs. 21 and 22.

Set an aluminum rod, 50 ins. long, 3/4 in. diam., 40 ins. in the ground, in a mound of stone, 4 ft. base, to top, with aluminum cap mkd.

AP72 T32N R11E S21 S22 NAVAJO HOPI 1996

Cor. is located 200 ft. westerly of the high water mark of Pasture Canyon Reservoir.

S. 48°22′ W., on line 72-73, on the Hopi and Navajo Partition Line, 200 ft. westerly of the high water mark of Pasture Canyon Reservoir; along sandy and rolling terrain on the westerly side of Pasture Canyon Reservoir.

8.08 | Point for AP 73.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, with brass cap mkd.

CHAINS

AP73 T32N R11E S21 NAVAJO HOPI 1996

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

S. 45°20′ W., on line 73-74, on the Hopi and Navajo Partition Line, 200 ft. westerly of the high water mark of Pasture Canyon Reservoir; along sandy and rolling terrain on the westerly side of Pasture Canyon Reservoir.

9.80 | Point for AP 74.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

AP74 T32N R11E S21 NAVAJO HOPI 1996

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

S. 44°29′ W., on line 74-75, on the Hopi and Navajo Partition Line, 200 ft. westerly of the high water mark of Pasture Canyon Reservoir; along sandy and rolling terrain on the westerly side of Pasture Canyon Reservoir.

7.30 | Point for AP 75.

Set an aluminum tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, in a drill hole in sandstone, and in concrete, with top mkd.

CHAINS

AP75 T32N R11E S21 NAVAJO HOPI 1996

Deposit a cylindrical magnet, $3/4 \times 1$ in., beneath the aluminum tablet.

S. 31°47′ W., on line 75-76, on the Hopi and Navajo Partition Line, 200 ft. westerly of the high water mark of Pasture Canyon Reservoir; along sandy and rolling terrain on the westerly side of Pasture Canyon Reservoir.

7.08 | Point for AP 76.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 10 ins. in the ground, to bedrock, in a supporting mound of stone, 4 ft. base, to top, with brass cap mkd.



Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

S. 17°21′ W., on line 76-77, the Hopi and Navajo Partition Line, 200 ft. westerly of the high water mark of Pasture Canyon Reservoir; along sandy and rolling terrain on the westerly side of Pasture Canyon Reservoir.

7.66 | Point for AP 77.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

CHAINS

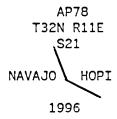
AP77 T32N R11E S21 NAVAJO HOPI

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

S. 16°18' E., on line 77-78, on the Hopi and Navajo Partition Line, 200 ft. westerly of the high water mark of Pasture Canyon Reservoir; along sandy and rolling terrain on the westerly side of Pasture Canyon Reservoir.

8.44 | Point for AP 78.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.



Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

S. 44°40' E., on line 78-79, on the Hopi and Navajo Partition Line, 200 ft. westerly of the high water mark of Pasture Canyon Reservoir; along sandy and rolling terrain on the westerly side of Pasture Canyon Reservoir.

4.21 | Point for AP 79.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, encircled with a collar of stone, with brass cap mkd.

AP79 T32N R11E S21 NAVAJO HOP3

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

1996

Cor. is located 200 ft. W. of the southerly tip of Pasture Canyon Reservoir.

S. $6^{\circ}25'$ E., on line 79-80, on the Hopi and Navajo Partition Line, along the tree line on the westerly side of Pasture Canyon.

11.70 | Point for AP 80.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, encircled with a collar of stone, with brass cap mkd.



Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post.

S. 27°06' E., on line 80-81, on the Hopi and Navajo Partition Line, along the tree line on the westerly side of Pasture Canyon.

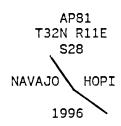
5.81 Intersect the line bet. secs. 21 and 28.

From this point, the 1/4 sec. cor. of secs. 21 and 28, hereinbefore described, bears N. 89°56′ W., 25.15 chs. dist.

14.42 | Point for AP 81.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, encircled with a collar of stone, with brass cap mkd.

CHAINS

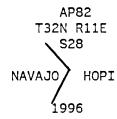


Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

S. 30°10' E., on line 81-82, on the Hopi and Navajo Partition Line, along the tree line on the westerly side of Pasture Canyon.

7.05 | Point for AP 82.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, encircled with a collar of stone, with brass cap mkd.

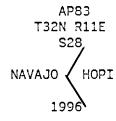


Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

S. 20°47′ W., on line 82-83, on the Hopi and Navajo Partition Line, along the tree line on the westerly side of Pasture Canyon.

9.82 | Point for AP 83.

Set a stainless steel post, 28 ins. long, 2.1/2 ins. diam., 22 ins. in the ground, encircled with a collar of stone, with brass cap mkd.



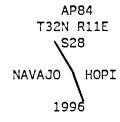
CHAINS

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

S. 27°34′ E., on line 83-84, on the Hopi and Navajo Partition Line, along the tree line on the westerly side of Pasture Canyon.

12.79 | Point for AP 84.

Set an aluminum rod, 36 ins. long, 3/4 in. diam., 34 ins. in the ground, with aluminum cap mkd.



S. 16°56' E., on line 84-85, on the Hopi and Navajo Partition Line, along the tree line on the Westerly side of Pasture Canyon.

17.26 | Intersect the line bet. secs. 27 and 28.

From this point, the 1/4 sec. cor. of secs. 27 and 28, hereinbefore described, bears N. 0°04′ W., 10.72 chs. dist.

19.72 | Point for AP 85.

Set a stainless steel post, 28 ins. long, $2\ 1/2$ ins. diam., 20 ins. in the ground, encircled with a collar of stone, with brass cap mkd.

Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post.

Cor. is located 5 lks. N. of the northerly R.O.W. fence of U.S. Highway 160, 4 strand barbed wire, parallel to highway.

CHAINS

S. 12°27′ W., on line 85-86, on the Hopi and Navajo Partition Line, across U.S. Highway 160.

Point for AP 86, identical with the witness point bet. secs. 27 and 28, at intersection with the center line of U.S. Highway 160, hereinbefore described.

From this point, the Hopi and Navajo Partition Line follows the boundary as described in the legal description provided in the 816 Federal Supplement 1387, District of Arizona, 1992, Attachment B, in the case of Masayesva v. Zah., and surveyed by William F. Olver and Daniel N. Patterson in 1988-90, to AP 107, identical with AP 1, T. 31 N., R. 11 E., on the S. bdy. of this Tp.

From the point for AP 108, identical with AP 20, T. 31 N., R. 11 E., on the line bet. secs. 5 and 32, on the S. bdy. of the Tp.

Set a No. 40 Common Nail, $1/4 \times 5$ ins., flush with the surface of ground; cor. falls in the center of a trail road, subject to destruction from vehicles and farm equipment, where it is impracticable to establish a more durable monument.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears N. 51°33′ W., 17.0 ft. dist., with brass cap mkd. RM T32N R11E 17.0 FT TO AP 108 S32 1997 with an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post and set an aluminum post near the stainless steel post.

From this cor. point, the cor. of secs. 5, 6, 31 and 32, bears N. 89°55′ W., 8.29 chs. dist., hereinbefore described.

N. 30°32' E., on line 108-109, on the Hopi and Navajo Partition Line, along the center line of a trail road.

3.35 | Point for AP 109.

Set a No. 40 Common Nail, $1/4 \times 5$ ins., flush with the surface of ground; cor. falls in the center of a trail road, subject to destruction from vehicles and farm equipment, where it is impracticable to establish a more durable monument.

from which

CHAINS

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., 25 ins. in the ground, for a reference monument, bears N. 33°35′ W., 10.4 ft. dist., with brass cap mkd. RM T32N R11E 10.4 FT TO AP 109 S32 1997 with an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post and set an aluminum post near the stainless steel post.

N. 60°25' E., on line 109-110, on the Hopi and Navajo Partition Line, along the center line of a trail road.

4.01 | Point for AP 110.

Set a No. 40 Common Nail, $1/4 \times 5$ ins., flush with the surface of ground; cor. falls in the center of a trail road, subject to destruction from vehicles and farm equipment, where it is impracticable to establish a more durable monument.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, for a reference monument, bears S. 50°56′ E., 23.7 ft. dist., with cap brass mkd. RM T32N R11E 23.7 FT TO AP 110 S32 1997 with an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post and set an aluminum post near the stainless steel post.

N. 38°52′ W., on line 110-111, on the Hopi and Navajo Partition Line, along the center line of a trail road.

0.85 | Point for AP 111.

Set a No. 40 Common Nail, $1/4 \times 5$ ins., flush with the surface of ground; cor. falls in the center of a trail road, subject to destruction from vehicles and farm equipment, where it is impracticable to establish a more durable monument.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, for a reference monument, bears N. 4°13′ E., 9.73 ft. dist., with brass cap mkd. RM T32N R11E 9.73 FT TO AP 111 S32 1997 with an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post and set an aluminum post near the stainless steel post.

CHAINS S. 69°37' W., on line 111-112, on the Hopi and Navajo Partition Line, along the center line of a trail road. 8.18 Point for AP 112. Set a No. 40 Common Nail, $1/4 \times 5$ ins., flush with the surface of ground; cor. falls in the center of a trail road, subject to destruction from vehicles and farm equipment, where it is impracticable to establish a more durable monument. from which A stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, for a reference monument, bears S. 15°17' E., 17.9 ft. dist., with brass cap mkd. RM T32N R11E 17.9 FT TO AP 112 S32 1997 with an arrow pointing to the cor. Deposit a magnet in a 1 x 1 x 2 5/8 ins. white plastic case beneath the stainless steel post and set an aluminum post near the stainless steel post. S. 78°42′ W., on line 112-113, on the Hopi and Navajo Partition Line, along the center line of a trail road. 2.45 Point for AP 113. Set a No. 40 Common Nail, $1/4 \times 5$ ins., flush with the surface of ground; cor. falls in the center of a trail road, subject to destruction from vehicles and farm equipment, where it is impracticable to establish a more durable monument. from which A stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, for a reference monument, bears S. 1°13′ W., 19.3 ft. dist., with brass cap mkd. RM T32N R11E 19.3 FT TO AP 113 S32 1997 with an arrow pointing to the cor. Deposit a magnet in a 1 \times 1 \times 2 5/8 ins. white plastic case beneath the stainless steel post and set an aluminum post near the stainless steel post. N. 64°12′ W., on line 113-114, on the Hopi and Navajo Partition Line, along the center line of a trail road. 1.23 Point for AP 114, in the middle of the stream bed of Moenkopi Wash.

CHAINS

Set a No. 40 Common Nail, $1/4 \times 5$ ins., flush with the surface of ground; cor. falls in the center of a wash, subject to destruction by seasonal flooding, where it is impracticable to establish a more durable monument.

from which

A brass tablet, 3 1/2 ins. diam., 3 1/2 ins. stem, for a reference monument, set in a drill hole, and in concrete, on a sandstone shelf, 20 x 8 x 2 ft., bears S. 56°33′ W., 19.8 ft. dist., with cap mkd. RM T32N R11E 19.8 FT TO AP 114 S32 1997 with an arrow pointing to the cor.

N. $67^{\circ}02'$ W., on line 114-115, on the Hopi and the Navajo Partition Line, along the middle of the stream bed of the Moenkopi Wash.

1.91 Intersect the line bet. secs. 31 and 32.

From this point, the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., bears South, 3.47 chs. dist., hereinbefore described.

6.64 Point for AP 115. Not monumented.

S. $30^{\circ}08'$ W., on line 115-116, on the Hopi and the Navajo Partition Line, along the middle of the stream bed of the Moenkopi Wash.

Point for AP 116, identical with AP 21, T. 31 N., R. 11 E., on the S. bdy. of the Tp., in the middle of the stream bed of the Moenkopi Wash.

Set a No. 40 Common Nail, $1/4 \times 5$ ins., flush with the surface of ground; cor. falls in the center of a wash, subject to destruction by seasonal flooding, where it is impracticable to establish a more durable monument.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, for a reference monument, bears S. 30°54′ W., 146.8 ft. dist., with brass cap mkd. RM T31N R11E 146.8 FT TO AP 21 S6 1997 with an arrow pointing to the cor. Cor. is located on the left bank of the Moenkopi Wash, drains SW.

CHAINS

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 22 ins. in the ground, for a reference monument, bears N. 81°58′ W., 131.1 ft. dist., with brass cap mkd. RM T32N R11E 131.1 FT TO AP 116 S31 1997 with an arrow pointing to the cor. Cor. is located on the right bank of the Moenkopi Wash, drains SW., and 1 lk. S. of a 5 strand barbed wire fence, bears ENE and WSW.

From this cor. point, the cor. of secs. 5, 6, 31 and 32, bears S. 89°50′ E., 7.42 chs. dist., hereinbefore described.

GENERAL DESCRIPTION

The project is located near the town of Tuba City, Az.

Terrain is rolling and mainly covered with vegetation of sagebrush and grasses. In the washes are stands of thick saltcedar and cottonwood trees.

Elevation is about 5500 ft. above sea level.

No mineral activity was noted.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Geoffrey A. Graham	Surveying Technician
Cheryl A. Hansen	Surveying Technician
Dennis O. Kuhn	Surveying Technician
Robert J. Lyle	Surveying Technician
Mark S. Searles	Surveying Technician

CERTIFICATE OF SURVEY

I, Stephen K. Hansen, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 8th day of July, 1996, and the Supplemental Special Instructions bearing date of the 8th day of July, 1997, for Group Number 804, and the Special Instructions bearing date of the 27th day of May, 1998, for Group Number 828, I have dependently resurveyed a portion of the south and east boundaries, a portion of the subdivisional lines, and Tracts 43 through 52, and executed the metes-and-bounds survey of the Hopi and Navajo Partition Line, Township 32 North, Range 11 East, 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; and that 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, and in specific manner described in the foregoing field notes.

4/08/99	Steple Ko Hansen
(Date)	(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Arizona State Office Phoenix, Arizona

The foregoing field notes of the dependent resurvey of a portion of the south and east boundaries, a portion of the subdivisional lines, and Tracts 43 through 52, and the metes-and-bounds survey of the Hopi and Navajo Partition Line, Township 32 North, Range 11 East, Gila and Salt River Meridian, Arizona, executed by Stephen K. Hansen, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

April 20, 1999 (bate)	(Chief Cadastral Surveyor of Arizona)
	CERTIFICATE OF TRANSCRIPT
	transcript of the field notes of the above-described , Gila and Salt River Meridian, Arizona, is a true copy
(Date)	(Chief Cadastral Surveyor of Arizona)