# ORIGINAL BOOK 4747

form 4-679 Canuary 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

# FIELD NOTES

1.50	
50	
- W.	SURVEY
44.5	
	of the
	North, South, East and West Boundaries
A 1989	
41.	of the
	or the
	Hopi Indian Reservation,
<del></del>	Executive Order dated December 16, 1882
	10, 1002
0242	
TW-	
**************************************	35°30' to 36°30' Latitude North
200 A	110°00' to 111°00' Longitude West
	# ## ## ## ## ## ## ## ## ## ## ## ## #
<b>-</b>	
•	
	Of the
Carrier Co.	Of theMeridian,
	ate of Arizona
	EXECUTED BY
Ď.	Leonard W Murphy C 1
	Leonard W. Murphy, Cadastral Surveyor
	Paul G. Bauer, Cadastral Surveyor
711	
<u> </u>	
loc	ial instructions datedFebruary 19, 19 64, which provided for the surveys
i n	, 19 <u>64</u> , which provided for the surveys
	der Group Number 405 , approved February 19, 1964
gnı	mest instructions dated March 31, 19 64
	Survey Commenced April 1
	Survey commenced April 1 , 19 64
<b>.</b>	Survey completed July 31 , 19 64

BOOK 4747

# INDEX DIAGRAM

Township, Range,					
6	8	4	8	2	1
7	8	9	10	11	12
18	17	16	18	14	13
19	20	21	22	28	24
30	29	28	27	26	25
31	32	33	84	85	36

#### INDEX

Plat Sheet No.	from - to	Pages
		1 uges
	NE Corner (Initial Point)	1
	NW Corner	2
	SW Corner	3
	SE Corner	3
1	Initial Point - Milepost 28	4-30
2	MP 28 - NW Corner	30-51
3	NW Corner - MP 80	51-64
4	MP 80 - MP 105	65-79
5	MP 105 - SW Corner	79-90
6	SW Corner - MP 145	90-100
7	MP 145 - MP 166	100-112
8	MP 166 - SE Corner	112-121
9	SE Corner - MP 206	122-136
10	MP 206 - MP 231	137-155
11	MP 231 - NE Corner (Initial Point)	155-170
	General Description	170-171

2

CHAINS

Set the post in the center of a concrete cone, 30 ins. long, 18 ins. at the base, 6 ins. at the top, 12 ins. in the ground, with cap mkd.

NE COR
INITIAL POINT
E O 1882 NAVAJO

from which

U.S.C. & G.S. triangulation station ROUGH ROCK bears S. 25°53'15.434" E. (mean bearing), 379.142 chs. dist., and is a standard disk set in a drill hole in the top of a 2-foot boulder which projects 2 inches.

U.S.C. & G.S. triangulation station KAYENTA bears N.  $56^{\circ}42'14.372''$  W., (mean bearing) 1,499.076 chs. dist. and is a standard disk set in a drill hole.

An iron post 30 ins. long,  $2\frac{1}{2}$  ins. diam., set 24 ins. in the ground and surrounded by concrete, for a reference monument, with brass cap mkd. with an arrow pointing to the cor. and NE COR EO 1882 RM 50 FT, bears N. 45° E., 75.8 links dist.

An iron post 30 ins. long,  $2\frac{1}{2}$  ins. diam., set 24 ins. in the ground and surrounded by concrete, for a reference monument, with brass cap mkd. with an arrow pointing to the cor. and NE COR EO 1882 RM 50 FT, bears S. 45° E., 75.8 links dist.

An iron post 30 ins. long,  $2\frac{1}{2}$  ins. diam., set 24 ins. in the ground and surrounded by concrete, for a reference monument, with brass cap mkd. with an arrow pointing to the cor. and NE COR EO 1882 RM 50 FT, bears S. 45° W., 75.8 links dist.

An iron post 30 ins. long,  $2\frac{1}{2}$  ins. diam., set 24 ins. in the ground and surrounded by concrete for a reference monument, with brass cap mkd. with an arrow pointing to the cor. and NE COR EO 1882 RM 50 FT, bears N. 45° W., 75.8 links dist.

At latitude  $36^{\circ}30'00''$  N. and longitude  $111^{\circ}00'00''$  W. and the point for the NW. cor. of the Hopi Indian Reservation

Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 12 ins. in the ground, with cap mkd.

NW COR
NAVAJO EO 1882
55½ M
+ 13.68 chs.
1964

from which

A pinon, 8 ins. diam., bears S.  $26^{\circ}$  E., 82 links dist., mkd. EO 1882 B T

Boundaries, Hopi Indian Reservation, Arizona

16

CHAINS

The following field notes are those of the boundaries of the Hopi Indian Reservation, described in the Executive Order dated December 16, 1882, viz., beginning at the point for latitude 36°30'00" North and longitude 110°00'00" West; thence due West to the point for latitude 36°30'00" North and longitude 111°00'00" West; thence South to the point for latitude 35°30'00" North and longitude 111°00'00" West; thence East to the point for latitude 35°30'00" North and longitude 110°00'00" West; thence East to the point for latitude 35°30'00" North and longitude 110°00'00"

There are no former surveys of the boundaries. The south boundary of the Reservation crosses surveyed townships and ties to these surveyed townships are in the field notes where applicable. Very little evidence remains of the surveyed townships in that area as most of the monuments have been removed and the bearing trees destroyed.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1947, and the Special Instructions dated February 19, 1964.

Only true line bearings and horizontal distances for the surveyed lines are given in these notes. Unless otherwise described, each corner was monumented with a standard iron post 30 inches long,  $2\frac{1}{2}$  inches diameter, flanged at the base with a brass cap  $3\frac{1}{2}$  inches in diameter riveted to the top.

The positioning of the four corners for the Reservation was determined by ties from nearby United States Coast and Geodetic triangulation stations. The distances were measured by electronic equipment and the bearings turned by T-2 Wild theodolite transits. Data required for the positioning of the four corner points was supplied by the United States Geological Survey, Menlo Park, California.

All measurements along the reservation boundaries were double chained except where the electronic equipment was used. In some areas the intermediate topography was scaled from the United States Geological Survey Marble Canyon Quadrangle, Arizona-Utah, dated 1961. All distances measured on the reservation boundaries were reduced to sea level distances with the distance between mile posts being 80 chains and the half mile post at the mid-point.

At sea level, 1 mile = 80.000 chs.

At 5,000 ft., 1 mile = 80.019 chs.

At 6,000 ft., 1 mile = 80.023 chs.

At 7,000 ft., 1 mile = 80.027 chs.

The average magnetic declination was found to be  $13^{\circ}30^{\circ}$  East.

Boundaries, Hopi Indian Reservation, Arizona

Establishment of the four corners of the Hopi Indian Reservation

At latitude 36°30'00" N. and longitude 110°00'00" W. and the point for the NE. corner of the Hopi Indian Reservation, designated the INITIAL POINT

3

#### CHAINS

A pinon, 8 ins. diam., bears N.  $31^{\circ}$  W., 73 links dist., mkd. NAVAJO NW COR B T

U.S.C.& G.S. triangulation station LITTLE WHITE MESA bears S. 2°39'55.932" W. (mean bearing) 1,414.923 chains dist., and is a standard disk cemented in a drill hole in a buried boulder 14 inches in diameter and projecting 12 inches.

U.S.C. & G.S. triangulation station ZIBI DUSH bears S. 55°43'23.395" E. (mean bearing), 2,764.902 chains dist., and is a standard disk cemented in a drill hole in outcropping bedrock that is flush with the ground.

U.S.C. & G.S. triangulation station COAL MINE bears N. 83°37'19.118" E. (mean bearing), 2,270.284 chains dist., and is a standard disk set in the top of a 10-inch square concrete monument which projects about 4 inches.

At latitude  $35^{\circ}30'00''$  N. and longitude  $111^{\circ}00'00''$  W. and the point for the SW. Cor. of the Hopi Indian Reservation.

Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 16 ins. in the ground, with cap mkd.

NAVAJO SW COR EO 1882 124½ M + 9.36 CHS

from which

A U.S.C.& G.S. triangulation station GRAND FALLS bears S. 70°50'23.013" W. (mean bearing) 1,227.667 chains dist., and is a standard disk set in drill hole in volcanic rock outcrop.

A U.S.C. & G.S. triangulation station BLACK FALLS bears N. 71°12'11.180" W. (mean bearing), 1,545.681 chains dist., and is a standard disk set atop of a 2½-inch concrete filled pipe projecting 9 inches above the surface of the ground.

U.S.C. & G.S. triangulation station WUPATKI bears N. 86°00'06.945" W., (mean bearing), 1,666.909 chains dist., and is a standard disk set in drill hole.

At latitude  $35^{\circ}30'00"$  N. and longitude  $110^{\circ}00'00"$  W. and the point for the SE. Cor. of the Hopi Indian Reservation.

Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 16 ins. in the ground, with cap mkd.

CHAINS

EO 1882 SE COR 108½ M + NAVAJO 39.60 CHS

from which

U.S.C. & G.S. triangulation station INDIAN bears S. 5°52'27.297" W. (mean bearing), 255.879 chains dist., and is a standard disk set in the top of a 10-inch square concrete post that projects 6 inches.

U.S.C. & G.S. triangulation station NA AH TEE bears S.  $79^{\circ}25'27.962''$  W. (mean bearing), 866.035 chains dist. and is a standard disk set in a drill hole in lava bedrock that projects 8 inches.

U.S.C. & G.S. triangulation station HA WHI bears N. 86°08'28.397" W. (mean bearing), 987.104 chains dist., and is a standard disk set in top of a 10-inch square concrete monument which projects about 3 inches above ground.

An iron post 30 ins. long,  $2\frac{1}{2}$  ins. diam., set 38 ins. in the ground, surrounded by concrete for a reference monument, with brass cap mkd. with an arrow pointing to the cor. and SE. Cor. EO 1882 RM 50 FT, bears N. 45° E., 75.8 links dist.

An iron post 30 ins. long,  $2\frac{1}{2}$  ins. diam., set 38 ins. in the ground and surrounded by concrete for a reference monument, with brass cap mkd. with an arrow pointing to the cor. and SE COR EO 1882 RM 50 FT, bears S. 45° E., 75.8 links dist.

An iron post 30 ins. long,  $2\frac{1}{2}$  ins. diam., set 38 ins. in the ground, surrounded by concrete for a reference monument, with brass cap mkd. with an arrow pointing to the cor. and SE COR EO 1882 RM 50 FT, bears S. 45° W., 75.8 links dist.

An iron post 30 ins. long,  $2\frac{1}{2}$  ins. diam., set 38 ins. in the ground and surrounded by concrete for a reference monument, with brass cap mkd. with an arrow pointing to the cor. and SE COR EO 1882 RM 50 FT, bears N. 45° W., 75.8 links dist.

A sandstone cliff bears N. 21°25' W., 830 links dist., mkd. X B O. The markings are approximately 6 ft. above ground.

<u>Note:</u> The iron posts set as reference monuments for the SE. Cor. of the Hopi Indian Reservation were set 8 ins. below the surface of the ground to keep them from being disturbed.

North Boundary, Hopi Indian Reservation, Arizona

From the NE. Cor. of the Hopi Indian Reservation, along the  $36^{\circ}30'00''$  latitude line North and the N. Bdy. of the Reservation.

	North Boundary, Hopi Indian Reservation, Arizona
CHAINS	West, along the 1st mile.
	Asc. over gently rolling land.
14.00	Asc. gentle E. slope, enter timber.
37.00	Desc. gentle W. slope.
40.00	Point for the 1/2 mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882
	1964
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	No bearing trees within limits.
72.60	Desc. gentle W. slope.
80.00	Point for the 1st mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 1 M 1964
	from which
	A pinon pine, 8 ins. diam., bears N. $9\frac{1}{2}^{\circ}$ E., 61 links dist., mkd. 1 M BT
	A pinon pine, 8 ins. diam., bears N. 48° W., 73 links dist., mkd. 1 M BT
	Land, gently rolling. Soil, rocky and sandy. Timber, pinon, cedar; undergrowth, grasses and cactus.
	West, along the 2nd mile.
	Over gently rolling land.
3.50	Asc. gentle E. slope of ridge.
21.70	Track road, bears generally N. and S.
25.50	Desc. gentle W. slope.
33.90	Wash, 30 links wide, 4 ft. deep, drains N. 10° E.
40.00	Point for the 1½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo EO 1882 1½ M 1964

_	CHAINS	
	CHAINS	from which
		A cedar, 10 ins. diam., bears S. 76° E., 70 links dist., mkd. $1\frac{1}{2}$ M BT
		No other trees available.
		Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
	42.30	Track road, bears irregularly N. and S.
	57.50	A large sandstone butte bears N., approximately 5 chains dist.
	62.00	Dim track road, bears NW. and irregularly S.; desc. gentle W. slope.
	77.20	Small wash, 15 links wide, 1 ft. deep, drains N.; asc. gentle E. slope.
	80.00	Point for the 2nd mile cor.
		Set the post 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with cap mkd.
		Navajo
		EO 1882 2 M 1964
		from which
		A pinon, 6 ins. diam., bears S. 37° W., 17 links dist., mkd. 2 M BT
		A pinon, 6 ins. diam., bears N. 27° W., 63 links dist., mkd. 2 M BT
		An earthen dam for stock pond bears S., approx. 4 chs. dist.
		Land, gently rolling. Soil, sandy.
		Timber, pine and cedar; undergrowth, cactus.
		West, along the 3rd mile.
		Continue ascending gentle E. slope.
	9.40	Asc. sandstone cliff.
	10.10	Top of cliff, bears N. and S.; thence over broken land.
	38.00	Wash, 30 links wide, 2 ft. deep, drains N. 15° W.; asc. E. slope of hill.
	40.00	Point for the $2\frac{1}{2}$ mile cor.
		Set the post 18 ins. in the ground to bedrock and in a small mound of stone to top, with the cap mkd.
ı		

CHAINS	
	Navajo
	EO 1882 2½ M 1964
	No bearing trees available.
	Cont. asc. E. slope.
48.60	Over nearly level land.
60.70	Desc. W. slope.
76.20	Track road, bears irregularly N. and S.
80.00	Point for the 3rd mile cor.
	Set the post 20 ins. in the ground to bedrock and in a small mound of stone to top, cap mkd.
	Navajo 
	EO 1882 3 M
	1964
	from which
	A pinon, 8 ins. diam., bears N. 81° E., 37 links dist., mkd. 3 M BT
	A pinon, 6 ins. diam., bears N. 67° W., 56 links dist., mkd. 3 M BT
	Land, rolling and broken. Soil, sandy. Timber, pine; undergrowth, grasses and cactus.
	West, along the 4th mile.
	Over gently rolling land, through scattered timber.
11.70	Bladed road, bears N. and SE.
14.00	Burro Spring Wash, 25 links wide, 2 ft. deep, drains irregularly N.
19.10	Track road, bears irregularly N. and SW.
25.10	Wash, 15 links wide, 3 ft. deep, drains N. 20° E.
38.00	Track road, bears irregularly W.; leads to hogan.
40.00	Point for the 3½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 3½ M

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 <del>                                     </del>	
CHAINS	from which
	A pinon, 6 ins. diam., bears N. 45° E., 48 links dist., mkd. 3½ M BT
	A pinon, 8 ins. diam., bears N. 35° W., 39 links dist., mkd. $3\frac{1}{2}$ M BT
	Unimproved road that leads to hogan bears South, 26 links dist.
	Asc. gentle E. slope.
42.50	Unimproved road, bears N. and SW. to hogan.
43.75	Center of hogan bears S., 115 links dist.; thence over nearly level grassland.
72.30	Begin asc. along SE. slope of ridge.
80.00	Point for the 4th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 4 M
	1964
	Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.
	Cor. falls on steep S. slope.
<del>.</del>	Land, rolling. Soil, rocky and clayish. Timber, cedar, pine; undergrowth, grasses, cactus.
	West, along the 5th mile.
g ·	Cont. asc. along SE. slope.
18.80	Crest of broken spur, slopes N. 75° E.; thence along broken N. slope.
35.30	W. rim of spur; desc. steep cliff; thence along broken N. slope.
40.00	Point for the $4\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 4½ M 1964
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Cor. falls on bench of N. slope.

North	Boundary.	Hopi	Indian	Reservation,	Arizona
MOTELL	Doulldary,	IIODI	THULAH	Meser vacron	ALLAUMA

CHA	Cont. along steep N. slope of Black Mesa.
41.2	Wash, 10 links wide, 2 ft. deep, drains N.
56.2	Crest of spur, slopes N.
64.4	Wash, 10 links wide, 3 ft. deep, drains N.
80.0	Point for the 5th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882
	5 M 1964
	Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.
	Cor. falls on steep and rocky N. slope of Black Mesa.
	Land, broken mountainous.
	Soil, rocky. Timber, scattered pine; undergrowth, grasses, cactus.
	West, along the 6th mile.
	Cont. asc. along NE. slope of mesa.
24.0	E. rim of mesa, bears S. 80° E. and N. 80° W.; over gently rolling land.
40.0	Point for the $5\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882
	5½ M 1964
	from which
	A cedar, 15 ins. diam., bears N. 64° W., 92 links dist., mkd. $5\frac{1}{2}$ M BT
	A cedar, 12 ins. diam., bears N. $18\frac{1}{2}^{\circ}$ W., 65 links dist., mkd. $5\frac{1}{2}$ M BT
	Cor. falls on nearly level land.
54.8	Small draw, drains irregularly W.
61.2	Same draw, drains NW.; asc. gentle E. slope.
80.0	Point for the 6th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	1

North	Boundary,	Hopi	Indian	Reservation,	Arizona

CHAINS	
	Navajo
	Navajo
	EO 1882 6 M
	1964
	from which
	A pine, 8 ins. diam., bears N. $58\frac{1}{4}^{\circ}$ E., 48 links dist., mkd. 6 M BT
	A pine, 10 ins. diam., bears S. 46° E., 34 links dist., mkd. EO 1882 6 M BT
	Land, broken mountainous E 1/2 mile; gently rolling W 1/2 mile. Soil, rocky.
	Timber, dense pine and cedar; undergrowth, sage brush and grasses.
	West, along the 7th mile.
	Cont. over gently rolling land, through dense timber.
8.80	W. rim of mesa, bears NE. and SW.; desc. steep and broken NW. slope.
40.00	Point for the 6½ mile post falls on vertical wall where true point cannot be perpetuated. This corner position not monumented. No suitable point for witness cor. within limits.
43.20	End major desc.; over rolling land, through scattered timber.
80.00	Point for the 7th mile cor.
	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo
	EO 1882
	7 M 1964
	Cor. falls on gentle E. slope.
	Land, rolling and broken. Soil, rocky.
	Timber, scattered cedar and pine.
	Undergrowth, sagebrush and grasses.
	West, along the 8th mile.
	Asc. gentle E. slope, through scattered timber.
<b>.</b> 50	Small draw, drains NE. 2 chains to main wash; asc. steep SE. slope.
20.40	Crest of spur, slopes NE.; desc. W. slope.
26.80	Small draw, drains N.; asc. E. slope.
33.80	Crest of spur, projects NE.; desc. along N. slope.
	e.

CHAINS  37.00 Low spur, slopes N.; desc. W. slope.  40.00 Point for the 7½ mile cor.  Set the post 20 ins. in the ground and in a small collar of stone to top, cap mkd.  Navajo  EO 1882  7½ M  1964  Along steep N. slope.  49.30 Bladed road, bears irregularly N. and SE.; asc. alo steep and broken N. slope.	
40.00 Point for the 7½ mile cor.  Set the post 20 ins. in the ground and in a small collar of stone to top, cap mkd.  Navajo  EO 1882  7½ M  1964  Along steep N. slope.  49.30 Bladed road, bears irregularly N. and SE.; asc. alo	•
Set the post 20 ins. in the ground and in a small collar of stone to top, cap mkd.  Navajo  EO 1882  7½ M 1964  Along steep N. slope.  49.30 Bladed road, bears irregularly N. and SE.; asc. alo	•
collar of stone to top, cap mkd.  Navajo  EO 1882  7½ M  1964  Along steep N. slope.  49.30 Bladed road, bears irregularly N. and SE.; asc. alo	•
EO 1882 7½ M 1964  Along steep N. slope.  49.30 Bladed road, bears irregularly N. and SE.; asc. alo	
7½ M 1964 Along steep N. slope. 49.30 Bladed road, bears irregularly N. and SE.; asc. alo	
49.30 Bladed road, bears irregularly N. and SE.; asc. alo	
steep and broken N. Stope.	ng
54.40 Desc. along broken NW. slope.	
60.20 Crest of spur, slopes N. 30° W.; desc. along broken and gentle N. slope.	
67.80 Wash, 30 links wide, 5 ft. deep, drains N. 15° W.	
80.00 Point for the 8th mile cor	
Set the post 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, cap mkd.	
Navajo	, e
EO 1882 8 M 1964	•
Land, rolling and broken. Soil, rocky. Timber, scattered pine; undergrowth, sagebrush and cactus.	,
West, along the 9th mile.	
.20 Asc. steep and broken E. slope.	
2.90 Crest of spur, slopes N.; desc. W. slope of spur.	
9.65 Wash, 30 links wide, 3 ft. deep, drains N. 15° W.; asc. along steep N. slope.	
17.30 Crest of spur, projects NE.; desc. along N. slope.	
34.00 Bambo Wash, 65 links wide, 4 ft. deep, drains N. 20	° E
40.00 Point for the $8\frac{1}{2}$ mile cor.	
Set the post 24 ins. in the ground, cap mkd.	
Navajo	÷
EO 1882 8½ M 1964	

North	Roundary	Honi	Indian	Reservation,	A !
MOLLII	boundary,	порт	Indian	keservation,	Arizona

	CHAINS							
		Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.						
		Asc. SE. slope.						
	71.00	Slope changes to S.						
	80.00	Point for the 9th mile cor.						
		Set the post 24 ins. in the ground, cap mkd.						
		Navajo						
		EO 1882 9 M 1964						
		Raise a mound of stone, $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, W. of cor.						
		Land, broken and mountainous. Soil, rocky.						
		Timber, cedar, pine; undergrowth, sagebrush.						
		West, along the 10th mile.						
		Desc. along S. slope.						
	10.30	Bambo Wash, 45 links wide, 4 ft. deep, drains SE.						
	33.60	Spur, bears irregularly NE. and SE.; desc. W. slope through dense timber.						
	39.75	Small draw, drains N. 20° E.						
	40.00	Point for the $9\frac{1}{2}$ mile cor.						
		Set the post 6 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, cap mkd.						
		Navajo						
		EO 1882 9½ M						
		1964						
	•	from which						
		A pinon, 10 ins. diam., bears S. 50½° E., 45 links dist., mkd. 9½ M BT						
		A pinon, 12 ins. diam., bears N. $29\frac{1}{2}^{\circ}$ W., 16 links dist., mkd. $9\frac{1}{2}$ M BT						
l		Over rolling land.						
	52.15	Draw, drains N. 30° E.						
	64.00	Small draw, drains NE.						
	80.00	Point for the 10th mile cor.						
		Set the post 18 ins. in the ground to bedrock and in a small collar of stone to top, cap mkd.						

### North Boundary, Hopi Indian Reservation, Arizona 13.

<u> </u>		
	CHAINS	Navajo
=		EO 1882 10 M
		1964
•		from which
<b>-</b>		A pinon, 14 ins. diam, bears N. 24 3/5° E., 37 links dist., mkd. 10 M BT
		A cedar, 10 ins. diam., bears S. 40½° E., 41 links dist., mkd. 10 M BT
		Land, rolling.
		Soil, rocky. Timber, pine and cedar; undergrowth, cactus and grasses.
		West, along the 11th mile.
	4.50	Small draw, drains S. 20° W.
	13.20	Track road, bears irregularly N. and S.
	14.20	Center of old sheep corral.
	17.60	Wash, 10 links wide, 10 ft. deep, drains SW.
	40.00	Point for the $10\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 10½ M 1964
		from which
		A cedar, 12 ins. diam., bears S. 70 $3/4^\circ$ W., 127 links dist., mkd. EO 1882 $10^1_2$ M BT
		A cedar, 14 ins. diam., bears S. $85\frac{1}{2}^{\circ}$ W., 99 links dist., mkd. EO 1882 $10\frac{1}{2}$ M BT
		Continue over rolling land.
	80.00	Point for the 11th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882
-		11 M
,	·	1964
		from which
		A pinon, 8 ins. diam., bears S. 55° E., 46 links dist., mkd. 11 M BT
	·	A pinon, 8 ins. diam., bears S. 76½° W., 71 links dist., mkd. 11 M BT
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North Boundary	, Hopi	Indian	Reservation,	Arizona
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	CHAINS	
		Land, rolling and broken. Soil, rocky.
		Timber, dense cedar, pine; undergrowth, grass.
	ļ	West, along the 12th mile.
	!	Over rolling land, through dense timber.
	17.00	Wash, 40 lks. wide, 3 ft. deep, drains S. into Dinnebito Wash; asc. gentle E. slope.
	34.80	Track road, bears N. 15° E. and S. 20° W.
	35.30	Desc. rolling W. slope to cor.
	40.00	Point for the $11\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882
		11½ M 1964
		from which
		A cedar, 16 ins. diam., bears East, 80 links dist., mkd. $11\frac{1}{2}$ M BT
		A pinon, 10 ins. diam., bears S. 22° E., 91 links dist., mkd. $11\frac{1}{2}$ M BT
		Continue along S. slope.
	69.00	Wash, 20 links wide, 4 ft. deep, drains SW. into Dot Klish Canyon; asc. gentle S. slope.
	80.00	Point for the 12th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882
		12 M 1964
		from which
		A cedar, 6 ins. diam., bears S. 37° E., 69 links dist., mkd. 12 M BT
		A cedar, 16 ins. diam, bears N. 88° W., 27 links dist., mkd. 12 M BT
		Cor. falls on S. slope near crest of spur.
		Land, gently rolling. Soil, rocky.
		Timber, dense pinon, cedar; undergrowth, cactus.
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North	Boundary.	Hopi	Indian	Reservation,	Arizona
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West, along the 13th mile.  Over gently rolling land, through dense timber.	
Over gently rolling land, through dense timber.	
1.30 Desc. W. slope of ridge.	
5.60 Wash, 50 links wide, 15 feet deep, drains S., then across sagebrush flats.	ıce
13.60 Low ridge, bears N. and S.; desc. W. slope.	
36.10 Low saddle, drains SW.	e .
37.70 Asc. E. slope.	•
40.00 Point for the $12\frac{1}{2}$ mile cor.	*
Set the post 24 ins. in the ground, cap mkd.	
Navajo	
EO 1882 12½ M 1964	
from which	
A pinon, 6 ins. diam., bears N. $69\frac{1}{2}^{\circ}$ E., 48 links dist., mkd. $12\frac{1}{2}$ M BT	
A cedar, 14 ins. diam., bears S. 55½° W., 45 links dist., mkd. 12½ M BT	
Corner falls on gentle E. slope.	
40.45 End asc.; over level mesa top.	• .
45.90 Low ridge, bears N. 15° E. and S. 15° W.; desc. gentle W. slope.	
53.20 Begin abrupt desc.	× .
63.00 Ravine, drains irregularly SW.; asc. rocky SE. slo	ope
80.00 Point for the 13th mile cor.	•
Set the post 20 ins. in the ground and in a mound stone, 3 ft. base to top, cap mkd.	of.
Navajo	
EO 1882 13M 1964	
from which	
A pine, 8 ins. diam., bears S. $85\frac{1}{2}$ ° E., 56 links dist., mkd. 13 M BT	
A pine, 12 ins. diam., bears S. $80\frac{1}{4}$ ° W., 60 links dist., mkd. 13 M BT	

North	Boundary,	Hopi	Indian	Reservation.	Arizona

СН	AINS	
		Land, rolling. Soil, sandy. Timber, dense pinon, cedar; undergrowth, oakbrush, cactus.
		West, along the 14th mile.
		Asc. along SE. slope.
9	.50	Crest of spur, slopes SW.; desc. W. slope.
20	.00	Draw, drains SW.; asc. along SE. slope.
40	.00	Point for the $13\frac{1}{2}$ mile cor.
		Set the post 22 ins. in the ground, cap mkd.
		Navajo
		EO 1882 13½ M 1964
		from which
		A pine, 16 ins. diam., bears N. 54 $^\circ$ E., 55 links dist., mkd. $13\frac{1}{2}$ M BT
		A pine, 8 ins. diam., bears S. $72\frac{1}{4}^\circ$ E., 35 links dist., mkd. $13\frac{1}{2}$ M BT
		Cor. falls on crest of spur, slopes S. 20° W.
		Desc. gentle W. slope.
44.	.10	Small draw, drains SW.; asc. gentle E. slope.
50.	. 60	Crest of spur, slopes S. 30° W.; desc. along moderate SW. slope.
59.	.70	Draw, drains S. 10° W.
65.	.40	Crest of spur, slopes S.; along S. slope.
72.	.00	Desc. along NW. slope to cor.
80.	.00	Point for the 14th mile cor.
		Set the post 22 ins. in the ground, cap mkd.
		Navajo
	-	EO 1882 14 M 1964
		from which
:		A pine, 10 ins. diam., bears S. 5 3/4° W., 21 links dist., mkd. 14 M BT
		A pine, 8 ins. diam., bears N. 48 3/4° W., 30 links dist., mkd. EO 1882 14 M BT
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North Boundary, Hopi Indian Reservation, Arizona

	CHAINS					
		Land, rolling.				
		Soil, rocky. Timber, dense cedar, pine; undergrowth, sagebrush.				
<i>.</i>		West, along the 15th mile.				
, <b>4</b> 1		Desc. along N. slope.				
	9.50	Leave timber; thence over gently rolling sagebrush flat.				
	21.70	Wash, 15 links wide, 1 ft. deep, drains S. 85° W.				
	40.00	Point for the $14\frac{1}{2}$ mile cor.				
		Set the post 24 ins. in the ground, cap mkd.				
		Navajo				
		EO 1882 14½ M 1964				
:		Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.				
		No bearing trees available.				
	42.90	Crest of low spur, slopes S.; thence along rolling S. slope, through scattering timber.				
<u>.</u>	47.20	Dim track road, bears N. and S.				
	<b>4</b> 8.90	Draw, drains S. to main wash, approximately 6 chains dist.				
	<b>5</b> 3.10	Low spur, slopes S.				
	65.30	Enter into dense timber, bears N. and S.				
	74.80	Leave timber.				
	77.80	Wash, 10 links wide, 3 ft. deep, drains S. retail 00.00				
	80.00	Point for the 15th mile cor.				
		Set the post 24 ins. in the ground, cap mkd.				
-		Navajo				
~		EO 1882				
~ .		15 M 1964				
		No bearing trees available.				
-	Land, rolling. Soil, rocky. Timber, pinon, cedar; undergrowth, sagebrush, cactus.					
		West, along the 16th mile.				
		Asc. gentle E. slope through timber.				
	1.00	Enter timber.				
	4.90	Crest of spur, slopes S. 20° W.				

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T	CHAINS	
	10.50	Draw, drains S.
	25.50	Leave timber.
	26.70	Barbed wire fence, bears irregularly N. and S., over cultivated land.
	29.10	Leave cultivated field.
	34.00	Wash, 20 links wide, 7 ft. deep, drains NE. toward Dot Klish Canyon.
	34.20	Unimproved road, bears N. 40° W. and S. 30° E.
	38.40	Enter into timber.
	40.00	Point for the $15\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 15½ M 1964
		from which
		A pinon, 8 ins. diam., bears S. 22° E., 51 links dist., mkd. 15½ M BT
		A pinon, 16 ins. diam., bears S. 14 $3/4^\circ$ W., 53 links dist., mkd. EO 1882 $15\frac{1}{2}$ M BT
		Asc. along rolling NE. slope.
	43.90	Draw, drains N. 35° E.
	44.90	Track road, bears N. 30° W. and S. 25° E.
	59.20	Leave timber, over sagebrush flat.
	70.00	Enter timber.
	71.60	Crest of low spur, slopes N. 35° E.; re-enter sagebrush flat.
•	78.20	Enter timber.
	80.00	Point for the 16th mile cor.
		Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
		Navajo
	·	EO 1882 16 M 1964
		from which
		A cedar, 10 ins. diam., bears S. 16 3/4° E., 13 links dist., mkd. 16 M BT
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North Boundary, Hopi Indian Reservation, Arizona

CHAINS	A pinon, 6 ins. diam., bears N. 23½° W., 6 links dist., mkd. EO 1882 16 M BT
	Land, rolling. Soil, rocky.
	Timber, pine, cedar; undergrowth, sagebrush.
	West, along the 17th mile.
	Asc. steep SE. slope.
9.70	Crest of spur, slopes SW.; thence desc. along NW. slope.
23.80	Wash, 20 links wide, 8 ft. deep, drains S.; asc. E. slope.
34.20	Crest of small ridge, projects S.; desc. along top of ridge.
40.00	Point for the $16\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882
	16½ M 1964
	from which
	A pinon, 12 ins. diam., bears N. $6\frac{1}{2}$ ° E., 53 links dist., mkd. $16\frac{1}{2}$ M BT
<b></b> -	A pinon, 8 ins. diam., bears S. $56\frac{1}{4}^{\circ}$ E., 54 links dist., mkd. $16\frac{1}{2}$ M BT
	Cor. falls on rocky S. slope of ridge.
45.00	End desc.; over gently rolling land.
57.20	Wash, 40 links wide, 4 ft. deep, drains N. 35° W. into Dot Klish Canyon.
80.00	Point for the 17th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 17 M
	17 M 1964
	No bearing trees available; cor. falls on nearly level land.
	Land, rolling.
	Soil, rocky.

North	Boundary.	Hopi	Indian	Reservation.	Arizona
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	CHAINS	West, along the 18th mile.
		Over gently rolling land, no timber.
	3.30	Small wash, drains N.
	4.50	Unimproved road, bears N. and S.
	8.00	Desc. along gentle N. slope.
	25.40	Wash, 60 links wide, 3 ft. deep, drains irregularly W.
	30.30	Same wash, drains irregularly W.
	34.30	Same wash, drains S. 70° W.; this wash is known locally as Moenkopi Wash.
	39.40	Point selected for witness cor. for the 17½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 WC 17½ M 1964
		Raise a mound of stone, 3 ft. base, 2 ft. high, W. of post; falls on nearly level land, 30 links N. of wash.
	40.00	True point for the $17\frac{1}{2}$ mile cor. falls in Dot Klish Canyon where the corner position cannot be perpetuated.
	46.90	Small wash, drains S.; asc. steep and rocky SE. slope.
	51.40	Top of hill, bears NE. and SW.; desc. steep W. slope.
	66.20	Wash, 20 links wide, 3 ft. deep, drains irregularly S.; asc. moderate E. slope.
	69.60	Small draw, drains S. 70° E.
	80.00	Point for the 18th mile cor.
		Set the post 10 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, cap mkd.
		Navajo
		EO 1882 18 M 1964
		from which
		A pinon, 14 ins. diam., bears N. 83½° E., 28 links dist., mkd. 18 M BT
		A pinon, 14 ins. diam., bears N. $63\frac{1}{2}^{\circ}$ W., 43 links dist., mkd. 18 M BT
		Cor. falls on crest of spur, slopes S.
		Land, rolling. Soil, rocky. Timber, pine, cedar; undergrowth, sagebrush, grasses.
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North Boundary, Hopi Indian Reservation, Arizona

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	CHAINS	West, along the 19th mile.	
•	4.40	Desc. W. slope of ridge.	
•.	9.40	Wash, 60 links wide, 6 ft. deep, drains irregularly S.; asc. rolling NE. slope.	
<u>.</u>	39.00	Bladed road, bears N. and S.; road ends 5 chs. S.	
•	40.00	Point for the $18\frac{1}{2}$ mile cor.	
		Set the post 10 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, cap mkd.	
		Navajo	
		EO 1882 18½ M 1964	
		from which	
		A pinon, 10 ins. diam., bears S. 54 $^\circ$ W., 29 links dist., mkd. $18\frac{1}{2}$ M BT	
		A pinon, 8 ins. diam., bears N. $15^{\circ}$ W., $65$ links dist., mkd. $18\frac{1}{2}$ M BT	
		Cor. falls on gentle N. slope of ridge.	
	52.60	Crest of ridge, bears N. and S.; desc. along NW. slope.	
	62.80	Wash, 10 links wide, 2 ft. deep, drains SW.; asc. along rolling S. slope to cor.	
	80.00	Point for the 19th mile cor.	
		Set the post 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, cap mkd.	
	-	Navajo	
. •		EO 1882 19 M 1964	
		from which	
		A pinon, 12 ins. diam., bears S. 67° W., 40 links dist., mkd. 19 M BT	
		A cedar, 10 ins. diam., bears N. 35° W., 21 links dist., mkd. 19 M BT	
		Land, rolling. Soil, rocky. Timber, dense pine, cedar; undergrowth, sagebrush.	
-		West slong the 20th mile	
	7.30	West, along the 20th mile.  Wash, 10 links wide, 3 ft. deep, drains irregularly	
		SE.; asc. NE. slope through dense timber.	
	31.80	Small draw, drains S.; asc. SE. slope of hill.	
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North	Boundary,	Hopi	Indian	Reservation,	Arizona
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_	<del></del>	North Boundary, Hopi Indian Reservation, Arizona 2
	40.00	Point for the $19\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 19½ M 1964
		Raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.
		Cor. falls near top of hill on S. slope.
	46.70	Wash, 15 links wide, 2 ft. deep, drains SE.; asc. rolling E. slope of ridge.
I	59.30	Crest of ridge, bears S. 25° W. and N. 25° E.
	65.30	Wash, 15 links wide, 2 ft. deep, drains SE.; asc. E. slope of spur.
l	74.30	Spur, bears N. and S.; desc. along N. slope.
	80.00	Point for the 20th mile cor.
		Set the post 22 ins. in the ground, cap mkd.
		Navajo
		EO 1882 20 M 1964
		from which
		A cedar, 10 ins. diam., bears S. 77½° E., 19 links dist., mkd. 20 M BT
	į	A pinon, 8 ins. diam., bears S. 5½° W., 24 links dist., mkd. 20 M BT
		Cor. falls on N. slope of ridge.
		Land, rolling. Soil, rocky. Timber, pine, cedar; undergrowth, sagebrush.
		West, along the 21st mile.
		Through dense timber and sparse undergrowth.
	8.60	Wash, 20 links wide, 2 ft. deep, drains irregularly SW.; asc. along S. slope.
	28.10	Rim of ridge; desc. SW. slope.
	37.20	Over gently rolling land, through sparse timber.
	40.00	Point for the 20½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.

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CI	RIAINS	
		, Navajo
-		EO 1882
b.		20½ M 1964
		Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.
		No bearing trees available.
42	2.40	Wash, 20 links wide, 2 ft. deep, drains S. toward Dot Klish Canyon.
51	1.20	Sagebrush flat, bears irregularly NE. and SW.
68	3.60	Small wash, 20 links wide, 3 ft. deep, drains SE.
72	2.20	Low spur, bears N. and S.; enter dense timber.
80	0.00	Point for the 21st mile cor.
		Set the post 8 ins. in the ground to bedrock, and in a mound of stone 4 ft. base to top, cap mkd.
		Navajo .
		EO 1882
		21 M 1964
		from which
		A cedar, 8 ins. diam., bears N. $28\frac{1}{4}^{\circ}$ E., 9 links dist., mkd. 21 M BT
		A cedar, 11 ins. diam., bears N. 28° W., 17 links dist., mkd. 21 M BT
		Cor. falls on ridgetop that bears N. and S.
		Land, gently rolling. Soil, rocky. Timber, cedar, pine; undergrowth, grasses, sagebrush.
		West, along the 22nd mile.
		Desc. gentle W. slope.
}	8.00	Wash, 40 links wide, 4 ft. deep, drains S.; over nearly level land.
20	0.10	Unimproved road, bears N. and approximately S. to house.
_ 20	6.10	Unimproved road, bears N. 10° E. and S.
- 20	6.50	Point selected as witness point at intersection of boundary line with well-traveled road.
	i	Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 21 M + 26.50 1964

	North Boundary, Hopi Indian Reservation, Arizona 2
CHAINS	
	Set a redwood post, 4 ins. sq., 6 ft. long, alongside the iron post as a guardstake.
31.95	Desc. gentle W. slope.
40.00	Point for the 21½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882
	21½ M .
	1964
	from which
	A cedar, 18 ins. diam., bears S. 3° W., 11 links dist., mkd. 21½ M BT
	A cedar, 9 ins. diam., bears N. $25\frac{1}{2}^{\circ}$ W., 67 links dist., mkd. $21\frac{1}{2}$ M BT
43.00	Enter into scattered timber.
48.20	Draw, drains SW.; asc. E. slope of ridge.
60.00	Crest of ridge, bears NE. and SW.; desc. NW. slope.
78.75	Bladed road, bears N. and S.
80.00	Point for the 22nd mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882
	22 M 1964
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
٠	Land, gently rolling.
	Soil, rocky. Timber, pine, cedar; undergrowth, sagebrush.
	West, along the 23rd mile.
5.00	Wash, 15 links wide, 8 ft. deep, drains N.
31.70	Wash, 100 links wide, 7 ft. deep, drains SW.
36.00	Small draw, drains SE. into main wash 3 chains dist.
38.10	Small draw, drains SE.; asc. along SE. slope of spur.
40.00	Point for the 22½ mile cor.
	Set the post 20 ins. in the ground and in a small collar of stone to top, cap mkd.
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#### North Boundary, Hopi Indian Reservation, Arizona

	CHAINS	
		Navajo
		EO 1882
		22½ M 1964
•		No bearing trees available.
-	45.50	Crest of spur, slopes S.; desc. W. slope.
	49.80	Bladed road, bears N. and S.; this road is heavily used by Indians living on south part of Black Mesa.
	56.80	Enter into dense timber; asc. along E. slope of spur.
	60.00	Low spur, slopes S.; desc. W. slope.
	67.60	Wash, 20 links wide, 3 ft. deep, drains S.; asc. E. slope.
	76.4Ö	Crest of spur, bears N. 35° E. and S. 35° W.; desc. W. slope.
	76.90	Bladed road, bears N. 35° E. and S. 35° W.
	80.00	Point for the 23rd mile cor.
		Set the post 18 ins. in the ground to bedrock and in a collar of stone to top, cap mkd.
		Navajo
		EO 1882 23 M 1964
		from which
		A cedar, 14 ins. diam., bears N. 85½° E., 184 links dist., mkd. 23 M BT
		A cedar, 10 ins. diam., bears S. 79½° E., 75 links dist., mkd. 23 M BT
		Land, rolling. Soil, rocky. Timber, cedar, pine; undergrowth, sagebrush.
		West, along the 24th mile.
		Cont. over rolling land.
	1.50	Draw, drains S. 35° W.
· ·	12.00	Wash, 15 links wide, 3 ft. deep, drains S.; asc. E. slope of spur.
	20.30	Crest of spur, slopes S. 10° W.; desc. W. slope.
	34.00	Track road, bears irregularly N. and S.; enter into dense timber.
	40.00	Point for the 23½ mile cor.
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 <del></del>	y) Indian Reservation, Arrizona 2
CHAINS	Set the post 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, cap mkd.
	Navajo
	EO 1882 23½ M 1964
	from which
	A pinon, 14 ins. diam., bears N. $56\frac{1}{2}^{\circ}$ E., 31 links dist., mkd. $23\frac{1}{2}$ M BT
	A cedar, 18 ins. diam., bears <b>S.</b> 43° W., 32 links dist., mkd. EO 1882 23½ M BT
44.40	Crest of spur, slopes S.; desc. W. slope.
51.50	Large draw, drains S.; asc. steep E. slope of ridge.
56.80	Crest of ridge, bears NE. and SW.; desc. rolling W. slope.
66.80	Leave timber, over level land.
71.90	Coal Mine Wash, 100 links wide, 5 ft. deep, drains irregularly S.
80.00	Point for the 24th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 24 M 1964
	Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.; no bearing trees available.
	Land, rolling E. 70 chains, level W. 10 chains. Soil, rocky.
	Timber, cedar, pine; undergrowth, sagebrush.
	West, along the 25th mile.
	Asc. E. slope, through scattered timber.
13.20	Crest of spur, projects S. 35° W.; desc. along SW. slope.
17.30	Draw, drains SW.
21.20	Major wash, 150 links wide, 2 ft. deep, drains irregularly S.
23.60	Unimproved road, bears N. and S.
34.50	Barbed wire fence, bears N. 20° W. and S. 20° E.
38.85	Small draw, drains NE.

CHAINS	
40.00	Point for the $24\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 24½ M 1964
	Raise a small mound of stone to W. of cor.; no bearing trees available.
41.00	Enter dense timber.
43.80	Crest of low spur, slopes N. 75° W.
49.00	Draw, drains N. 65° W.
64.70	Wash, 20 links wide, 2 ft. deep, drains N. 60° E.; asc. SE. slope through scattered timber.
80.00	Point for the 25th mile cor.
	Set the post 20 ins. in the ground and in a small collar of stone to top, cap mkd.
	Navajo
	EO 1882 25 M 1964
	from which
	A cedar, 20 ins. diam., bears S. $46\frac{1}{4}^{\circ}$ E., 48 links dist., mkd. 25 M BT
	A cedar, 15 ins. diam., bears S. 54° W., 59 links dist., mkd. 25 M BT
	Land, rolling. Soil, rocky. Timber, cedar, pine; undergrowth, sagebrush.
	West, along the 26th mile.
2.70	Draw, drains S. 80° E.
6.80	Small wash, drains SE.
36.90	Wash, 15 links wide, 2 ft. deep, drains N. 10° E.; asc. SE. slope of ridge.
40.00	Point for the 25½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 25½ M 1964

North	Boundary,	Hopi	Indian	Reservation,	Arizona
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	CHAINS	
	CHAINS	from which
		. A cedar, 12 ins. diam., bears S. 72° E., 85 links dist., mkd. 25½ M BT
		A pine, 14 ins. diam., bears S. $6\frac{1}{2}^{\circ}$ E., 47 links dist., mkd. EO 1882 $25\frac{1}{2}$ M BT
		Cor. falls on SE. slope of ridge.
	44.10	Desc. along SW. slope of ridge.
	53.60	Draw, drains N.; asc. E. slope of hill.
	63.80	Top of hill, desc. W. slope.
	74.40	Draw, drains N. 30° E., asc. E. slope.
	76.40	Slope changes to N.; cont. gentle asc.
	79.80	Begin desc. NW. slope.
	80.00	Point for the 26th mile cor.
l		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 26 M 1964
		from which
		A cedar, 8 ins. diam., bears S. 65° E., 69 links dist., mkd. 26 M BT
		A pinon, 14 ins. diam., bears S. 73½° W., 35 links dist., mkd. 26 M BT
		Cor. falls on NW. slope.
		Land, rolling. Soil, rocky. Timber, cedar, pinon; undergrowth, sagebrush.
		West, along the 27th mile.
	6.40	Deep wash, drains NE.; leave dense timber, asc. E. slope.
	27.80	Crest of spur, slopes \$.; desc. W. slope.
	32.80	Draw, drains S. 30° E.; asc. E. slope.
	40.00	Point for the $26\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 26½ M 1964

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	CHAINS	
		from which
 -		A cedar, 20 ins. diam., bears S. $59\frac{1}{4}^{\circ}$ W., 36 links dist., mkd. $26\frac{1}{2}$ M BT
•		A pinon, 22 ins. diam., bears N. 16° W., 73 links dist., mkd. EO 1882 26½ M BT
•	·	Cor. falls on E. slope.
	45.80	Head of draw, drains S. 55° E.
	49.30	Crest of spur, bears NW. and SE.; desc. along N. slope.
	72.80	Draw, drains N.; desc. gentle W. slope.
	79.50	Enter sagebrush flat.
	80.00	Point for the 27th mile cor.
		Set the post 20 ins. in the ground, cap mkd.
		Navajo
		EO 1882 27 M 1964
		Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.; no bearing trees available.
	ĺ	Cor. falls in sagebrush clearing on W. slope of spur.
		Land, rolling. Soil, rocky. Timber, cedar, oak and pinon; undergrowth, sagebrush.
		West, along the 28th mile.
		Over rolling land, through scattered timber.
	1.60	Wash, 160 links wide, 2 ft. deep, drains irregularly NE.
	5.80	Same wash, drains E.; asc. along steep NE. slope.
	11.00	Crest of spur, slopes N.; desc. W. slope.
	14.60	Main wash, 40 links wide, 2 ft. deep, drains NE. toward Coal Mine Wash.
	17.60	Same wash, drains irregularly E.
-	22.70	Asc. along broken S. slope of ridge.
-	31.50	Low spur, projects S.; desc. SW. slope.
• ·	40.00	Point for the 27½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 27½ M 1964

North	Boundary,	Hopi	Indian	Reservation,	Arizona
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 		3
CHAINS	from which	
	A cedar, 8 ins. diam., bears N. 37° E., 23 links dist., mkd. 27½ M BT	
	A cedar, 8 ins. diam., bears S. 3° W., 25 links dist., mkd. $27\frac{1}{2}$ M BT	
	A cedar, 12 ins. diam., bears N. 5° W., 71 links dist., mkd. 27½ M BT	
	U.S.C.& G.S. triangulation station COAL MINE bears N. 0°44'10" E., 252.18 chains dist., and is marked with a standard disk set in the top of a 10-inch concrete monument which projects about 4 inches.	
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor.	
	Cor. falls 110 links S. of small wash.	
53.70	Asc. steep, broken S. slope.	
68.50	Ridge, projects NE.; desc. broken W. slope.	
76.50	Wash, 40 links wide, 3 ft. deep, drains irregularly S.; enter onto sagebrush flat.	
80.00	Point for the 28th mile cor.	
	Set the post 24 ins. in the ground, cap mkd.	
	Navajo	
	EO 1882 28 M 1964	
	from which	
	A pine, 26 ins. diam., bears S. 56° W., 42 links dist., mkd. 28 M BT	
	A cedar, 22 ins. diam., bears N. $51\frac{1}{2}^{\circ}$ W., 79 links dist., mkd. 28 M BT	
	Cor. falls on W. edge of sagebrush flat.	
	Land, rolling. Soil, sandy, rocky. Timber, pinon, cedar; undergrowth, oakbrush, sagebrush.	
	West, along the 29th mile.	
	Over rolling and broken land.	
.70	Asc. broken E. slope of ridge; enter timber.	
27.40	Crest of ridge, bears N. and S.; desc. steep W. slope.	
- 1		1

•	North Boundary, Hopi Indian Reservation, Arizona
CHAINS	T
34.40	Large draw, drains S.; asc. along SE. slope.
40.00	Point for the $28\frac{1}{2}$ mile cor.
	Set the post 20 ins. in the ground, cap mkd.
	Navajo
	EO 1882 28½ M 1964
	from which
	A cedar, 20 ins. diam., bears S. $70^{\circ}$ W., $58$ links dist., mkd. $28\frac{1}{2}$ M BT
	A cedar, 24 ins. diam., bears N. 45° W., 100 links dist., mkd. EO $1882\ 28\frac{1}{2}$ M BT
	Raise a small mound of stone W. of cor.
	Cont. asc. along SE. slope.
47.50	Crest of low ridge, bears NE. and SW.; begin gentle desc.
54.30	Draw, drains N. 30° W.; asc. steep NE. slope.
59.60	Crest of low ridge, slopes N.; desc. broken W. slope.
72.60	Wash, 30 links wide, 3 ft. deep, drains NE.; asc. along E. slope.
80.00	Point for the 29th mile cor.
	Set the post 14 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, cap mkd.
	Navajo
	EO 1882 29 M 1964
	from which
	A cedar, 14 ins. diam., bears S. 21° E., 47 links dist., mkd. 29 M BT
	A pinon, 16 ins. diam., bears N. 65° W., 28 links dist., mkd. 29 M BT
	A pinon, 16 ins. diam., bears N. 25° W., 66 links dist., mkd. 29 M BT
	Cor. falls on E. slope of ridge.
	Land, rolling to broken. Soil, sandy, rocky. Timber, cedar, pinon, scattered ponderosa pine. Undergrowth, oakbrush, grasses and cactus.

		Note: Boditary, nopi indian Reservation, Arizona 32
	CHAINS	
		West, along the 30th mile.
		Cont. asc. E. slope.
	6.70	Crest of low rocky spur, slopes S.; cont. along S. slope.
	10.50	Draw, drains S.
	23.80	Wash, 30 links wide, 2 ft. deep, drains S. 30° E.; asc. gentle E. slope through dense cedar and pinon.
	29.50	Crest of spur, projects S.; desc. 25 ft. ledge along W. slope.
	40.00	Point for the 29½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
l		Navajo
		EO 1882 29½ M 1964
۱		from which
		A pinon, 12 ins. diam., bears N. 51° E., 86 links dist., mkd. 29½ M BT
		A pinon, 14 ins. diam., bears S. 58° W., 68 links dist., mkd. 29½ M BT
		Cor. falls on level land.
	51.50	Draw, drains N. 25° E.; asc. along NE. slope of spur.
	66.00	Crest of spur, bears N. 35° E. and S. 35° W.; desc. gentle NE. slope.
	80.00	Point for the 30th mile cor.
		Set the post 6 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, cap mkd.
		Navajo
		EO 1882 30 M 1964
		from which
		A cedar, 12 ins. diam., bears N. 14° E., 110 links dist., mkd. 30 M BT
		A cedar, 18 ins. diam., bears N. 47° W., 82 links dist., mkd. EO 1882 30 M BT
		Cor. falls on nearly level land.
	;	Land, gently rolling.
		Soil, sandy, rocky. Timber, pine, cedar; undergrowth, sagebrush.

СНА	North Boundary, Hopi Indian Reservation, Arizona 3
:	West, along the 31st mile.
	Over nearly level land, through dense timber.
	70 Unimproved road, bears N. and S.
16.	00 Enter burned off area.
40.	Point for the $30\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 30½ M 1964
	Raise a small mound of stone W. of cor.; no bearing trees available.
72.	70 Unimproved road, bears irregularly N. and S.
73.	Point selected as witness point along well traveled road.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 30½ M + 33. chs. 1964
	Set a redwood post, 4 ins. square, 6 ft. long, along-side the post as a guardstake.
80.	Point for the 31st mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 31 M 1964
	No bearing trees available.
	Land, nearly level. Soil, sandy.
	Timber, cedar, pine; undergrowth, sagebrush.
	West, along the 32nd mile.
	Over gently rolling land, through burned timber area.
25.0	Very low ridge, bears N. 30° E. and S. 30° W.; desc. gentle NW. slope.
34.0	Leave burned off area, enter dense timber.

CHAINS	
	Set the post 24 ins. in the ground, cap mkd.
:	Navajo
	EO 1882 31 <sub>2</sub> M 1964
	from which
	A cedar, 24 ins. diam., bears N. 46° W., 93 links dist., mkd. 31½ M BT
	A pinon, 8 ins. diam., bears N. 21° W., 74 links dist., mkd. $31\frac{1}{2}$ M BT
52.70	Desc. along NW. slope of mesa top.
60.40	Small wash, drains N. 10° W.
73.00	West rim of Black Mesa; desc. over ledges along NW. slope toward Klethla Valley.
79.10	Well-used stock trail, bears irregularly NW. and SE.; this trail descends to valley floor.
80.00	Point for the 32nd mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 32 M 1964
	from which
	A cedar, 12 ins. diam., bears N. 12° W., 120 links dist., mkd. 32 M BT
	A cedar, 12 ins. diam., bears N. 7° W., 118 links dist., mkd. 32 M BT
ľ	Cor. falls on NW. slope of mesa rim.
	Land, E 1/2 mile level; W 1/2 mile broken. Soil, rocky. Timber, cedar, pine; undergrowth, sagebrush, blackbrush.
	West, along the 33rd mile.
	Over broken and mountainous land, through dense timber.
	Continue descending along broken NW. slope of mesa.
27.10	Spur, slopes N.; cont. desc. along NW. slope.
34.60	Spur, slopes N. 15° W.; desc.
40.00	Point for the $32\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.

North Boundary, Hopi Indian Reservation, Arizona

IAINS	·
	Navajo
	EO 1882
	32⅓ M 1964
	from which
	A pine, 8 ins. diam., bears N. 70° E., 57 links dist., mkd. $32\frac{1}{2}$ M BT
	A cedar, 12 ins. diam., bears South, 9 links dist., mkd. $32\frac{1}{2}$ M BT
3.00	Draw, drains N.; cont. desc. along NW. slope of mesa.
3.70	Rocky spur, slopes N.
.00	Point for the 33rd mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882
	33 M . 1964 .
	from which
	A cedar, 10 ins. diam., bears N. 56° W., 67 links dist., mkd. 33 M BT
	A cedar, 10 ins. diam., bears N. 17° W., 31 links. dist., mkd. EO 1882 33 M BT
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, broken. Soil, rocky. Timber, cedar, pine; undergrowth, oakbrush and sagebrush
	West, along the 34th mile.
	Over broken terrain, desc. NW. slope.
70	Wash, 15 links wide, 2 ft. deep, drains N. 10° W.
60	Crest of spur, slopes NW.
.00	Point for the $33\frac{1}{2}$ mile cor.
	Set the post 22 ins. in the ground, cap mkd.
	Navajo
	EO 1882
	33½ M 1964
	from which
	A cedar, 14 ins. diam., bears N. 75° E., 35 links dist., mkd. EO 1882 $33\frac{1}{2}$ M BT

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	CHAINS	
		A pine, 12 ins. diam., bears N. 13° W., 59 links dist., mkd. EO 1882 33½ M BT
		Cor. falls 20 links S. of wash.
	40.40	Wash, 20 links wide, 1 ft. deep, drains N. 35° W. from E.
	60.20	Wash, 30 links wide, 8 ft. deep, drains N. 10° W.
	60.60	Track road, bears N. 20° W. and S. 20° E.
	63.20	End major desc.; over gently rolling land.
	80.00	Point for the 34th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 34 M 1964
		from which
		A pine, 6 ins. diam., bears S. 76° E., 104 links dist., mkd. 34 M BT
		A pine, 8 ins. diam., bears S. 14° E., 74 links dist., mkd. 34 M BT
		Land, broken mountainous.
:	,	Soil, very rocky. Timber, cedar, pine; undergrowth, blackbrush, sagebrush.
		West, along the 35th mile.
		Over gently rolling land, through sparse timber.
	3.00	Track road, bears NW. and SE.
	30.50	Right of way along S. edge of Arizona State Highway No. 64 and point selected for witness point.
		Set the post 22 ins. in the ground, surrounded by concrete, cap mkd.
		Navajo
		EO 1882 34 M + 30.50 1964
		Set a redwood post, 4 ins. sq., 6 ft. long, alongside the post as a guardstake.
	32.00	Centerline Arizona State Highway No. 64, bears N. 50°45' E. and S. 50°45' W.
	33.50	Right-of-way along N. edge of Arizona State Highway No. 64 and point selected for a witness point.
		Set the post 24 ins. in the ground, surrounded by concrete, cap mkd.
		E CONTRACTOR CONTRACTO

### North Boundary, Hopi Indian Reservation, Arizona

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	CHAINS	
		Navajo 
		EO 1882
		34 M + 33.50 1964
		Set a redwood post, 4 ins. sq., 6 ft. long, alongside the post as a guardstake.
	40.00	Point for the $34\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo 
		EO 1882
		$34\frac{1}{2}$ M 1964
		Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.; no bearing trees available.
	44.00	Barbed wire fence, 3 strand, bears N. 25° E. and S. 25° W.
	78.50	Hogan, bears N., 75 links dist.
	80.00	Point for the 35th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882
		35 M 1964
		, and the second
		Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.
		Land, nearly level.
		Soil, sandy.
		Timber, none; undergrowth, sagebrush.
		West, along the 36th mile.
		Over level land, through sparse vegetation.
	1.40	Well-traveled track road, bears NW. and SE.
	17.00	Four Corners Petroleum Pipe Line, bears N. 40° E. and S. 40° W.
	40.00	Point for the $35\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882
		35½ M
۱		1964
	65.60	Track road, bears irregularly N. and S.
- 1		

_	<b>.</b>	
	CHAINS	
	79.60	Center of earthen dam; bears N. approximately 5 chains and S. approximately 4 chains dist.
	80.00	Point for the 36th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 36 M 1964
		Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.
		Land, nearly level. Soil, sandy. Timber, none; undergrowth, sagebrush and desert grasses.
		West, along the 37th mile.
		Over nearly level land, through sparse vegetation.
	40.00	Point for the $36\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo 
-		EO 1882 36½ M 1964
		Raise a mound of stone, 4 ft. base, 3 ft. high, W. of corner.
	68.60	Low ridge, bears N. 25° E. and S. 25° W.
	78.60	Point selected for the witness cor. for the 37th mile corner.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 WC 37 M 1964
		Raise a mound of stone, 4 ft. base, 2 ft. high, W. of corner.
	78.90	Left bank of wash, bank 8 ft. high.
	80.00	Point for the 37th mile cor. falls in deep wash where true point cannot be perpetuated; wash drains S. 15° W.
		Land, nearly level. Soil, sandy. Timber, none; undergrowth, mormon tea, cacti.

		North Boundary, Hopi Indian Reservation, Arizona 39.
	CHAINS	
		West, along the 38th mile.
		Over gently rolling land.
<b>.</b>	1.70	Right bank of wash, drains S. 15° W.
-	25.00	Low ridge, bears N. 20° E. and S. 20° W.; desc. gentle W. slope.
	40.00	Point for the 37½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 37½ M 1964
		Raise a mound of stone, $3\frac{1}{2}$ ft. base, 2 ft. high, W. of corner.
		Asc. along gentle SE. slope.
	56.00	Low ridge, bears N. and S.
	75.90	Track road, bears NW. and SE.
	80.00	Point for the 38th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 38 M 1964
		Raise a small mound of stone W. of cor.
		Land, gently rolling. Soil, rocky, sandy. Timber, none; undergrowth, yellow sagebrush, cactus.
		West, along the 39th mile.
		Over nearly level land, no timber.
	40.00	Point for the 38½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
-		Navajo
		EO 1882 38½ M 1964
		Small mound of stone W. of corner.
	62.00	Draw, drains NW. toward main wash.
	71.00	Over sandstone ledges.
	80.00	Point for the 39th mile cor.
		4

North Boundary, Hopi Indian Reservation, Arizona 40.

1	07-4	Note: Boundary, nopi indian Reservation, Arizona 4
	CHAINS	Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882
		39 M 1964
		Raise a small mound of stone W. of corner.
		Land, nearly level. Soil, rocky, sandy.
		Timber, none; undergrowth, sagebrush, cacti, grasses.
		West, along the 40th mile.
		Desc. toward Shonto Wash.
	18.00	Point selected for witness point.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882
		39 M + 18.00 chs
		1964
		Raise a mound of stone W. of corner.
	20.00	Left bank of Shonto Wash.
	23.20	Right bank of Shonto Wash, wash drains irregularly SW.; asc. steep E. slope of sandstone ledge.
	24.40	End asc.; over nearly level land.
	32.50	Track road, bears N. 25° E. and S. 25° W.
	40.00	Point for the 39½ mile cor.
		Set the post on solid sandstone, over a +, and in a mound of stone, 4 ft. base to top, cap mkd.
		Navajo
		EO 1882
		39½ M 1964
	78.20	Track road, bears NE. and SW.
	80.00	Point for the 40th mile cor.
	00.00	Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 40 M
		1964
		Raise a small mound of stone W. of corner.
	ı	

North Boundary,	Hopi	Indian	Reservation,	Arizona	41.
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•		Note: Boundary, nopr indian Reservation, Arizona
	CHAINS	Land, broken E 1/2 mile; nearly level W 1/2 mile. Soil, rocky, sandy. Timber, none; undergrowth, sparse sagebrush.
		West, along the 41st mile. Over nearly level land, no timber.
	11.10	Track road, bears N. and S.
	17.00	Windmill, bears N. approx. 25 chains dist.
	40.00	Point for the $40\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 40½ M 1964
		Raise a small mound of stone W. of corner.
		Continue over nearly level land.
	80.00	Point for the 41st mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 41 M 1964
		Raise a mound of stone $3\frac{1}{2}$ ft. base, 2 ft. high, W. of corner.
		Land, nearly level. Soil, sandy. Timber, none; undergrowth, sagebrush, grasses.
		West, along the 42nd mile.
	17.50	Dim track road, bears irregularly NE. and SW.
	26.50	Crest of low sandstone outcropping, bears N. and S.
	40.00	Point for the $41\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 41½ M 1964
	54.60	Bladed road, bears N. 40° E. and S. 35° W.
	80.00	Point for the 42nd mile cor.
		Set the post 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, cap mkd.
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٦	CHAINS	
	,	Navajo
		EO 1882
		42 M
		1964
		Land, nearly level.
١		Soil, sandy.
		Timber, none; undergrowth, sagebrush, mormon tea.
		West, along the 43rd mile.
	35.50	Begin desc. gentle W. slope toward major wash.
	40.00	Point for the $42\frac{1}{2}$ mile cor.
		Set the post on solid sandstone, over a +, and in a mound of stone 4 ft. base to top, cap mkd.
١		Navajo
ı		FO 1002
		EO 1882 42½ M
		1964
	49.79	Barbed wire fence, bears irregularly NE. and SW.
	51.80	Left bank of Begashibito Wash, 15 ft. high.
	53.80	Middle of Begashibito Wash, drains S. 15° W.
	55.80	Right bank of Begashibito Wash; asc. toward sandstone ledge.
	79.20	Top of sandstone ledge; over rolling land.
	80.00	Point for the 43rd mile cor.
		Set the post on solid sandstone, over a +, and in a mound of sandstone, 4 ft. base to top, cap mkd.
		Navajo
		EO 1882
ı		43 M
		1964
		Land, rolling and broken.
		Soil, sandy, rocky.
		Timber, scattered cedar; undergrowth, sparse sagebrush.
		West, along the 44th mile.
		Over nearly level land.
	24.30	Head of canyon, drains S. 10° E.; gentle descent.
	40.00	Point for the 43½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
	i+	pool In the ground, cap mad.

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	CHAINS		
		Navajo 	
		EO 1882 43½ M	
		1964	
		Raise a small mound of stone W. of corner.	
	61.00	Small wash, drains S.	
	80.00	Point for the 44th mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		Navajo	
		EO 1882	
		44 M 1964	
		Raise a small mound of stone W. of corner.	
		Land, nearly level.	
		Soil, sandy.	
		Timber, sparse cedar; undergrowth, sagebrush, grasses.	
		West, along the 45th mile.	
	26.50	Low ridge, bears N. and S.; desc. gentle W. slope.	
	40.00	Point for the $44\frac{1}{2}$ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		Navajo	
		EO 1882	
		44½ M 1964	
		Raise a small mound of stone W. of corner.	
	58.60	Unimproved road, bears N. and S.	
	80.00	Point for the 45th mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		Navajo	
		EO 1882	
		. 45 M <sup>.</sup> 1964	
		Raise a small mound of stone W. of corner.	
		Land, nearly level. Soil, sandy. Timber, sparse cedar; undergrowth, tumbleweed, grasses.	
		West, along the 46th mile.	
		Continue over nearly level land.	
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MOLCII	boundary,	nopi indian	Reservation,	Arizona	44,

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CHAINS 40.00	Point for the $45\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Nav <b>a</b> jo
	EO 1882 45½ M 1964
52.00	Low sandstone ledge, bears N. and S.
80.00	Point for the 46th mile cor:
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 46 M 1964
	Raise small mound of stone W. of corner.
	Land, nearly level. Soil, sandy. Timber, sparse cedar; undergrowth, sagebrush, tumble-weed.
,	West, along the 47th mile. Over level land, no timber.
35.40	Track road, bears N. 30° W. and S. 30° E.
40.00	Point for the $46\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo —————
	EO 1882 46½ M 1964
	Raise a small mound of stone W. of corner.
58.50	Track road, bears N. 20° E. and S. 20° W.
80.00	Point for the 47th mile cor.
	Set the post 25 ins. in the ground, cap mkd.
	Navajo
	EO 1882 47 M 1964
	Raise a small mound of stone W. of corner. A hogan bears S. 75° E., 4.60 chains dist.
	Land, nearly level. Soil, sandy. Timber, none; undergrowth, tumbleweed, sagebrush.

	CHAINS			,
	CHAINS	West, along the 48th mile.		
		Over nearly level land.		
	1.10	Track road, bears N. 25° W. and S. 25° E.		
	36.40	Track road, bears N. 5° E. and S. 5° W.		
-	40.00	Point for the $47\frac{1}{2}$ mile cor.		
		Set the post 24 ins. in the ground, cap mkd.		
		Navajo		
		EO 1882		
		47½ M 1964		
	49.32	Point selected for witness point at intersection of boundary line to well-traveled road.		
		Set the post 24 ins. in the ground, cap mkd.		
		Navajo		
		EO 1882		
		47½ M + 9.32 1964		
		Raise a mound of stone, 3 ft. base, 3 ft. high, W. of corner.		
	51.00	Inscription House road, graded, bears N. 25° E. and S. 25° W.		
	69.20	Barbed wire fence, separates grazing districts 1 and 2, bears irregularly NW. and SE.	,	
	76.50 80.00	Small wash, 3 ft. deep, drains SW. Point for the 48th mile cor. Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.		
	,	Navajo		
		EO 1882 48 M 1964		
	·	Land, nearly level. Soil, sandy. Timber, scattered cedar; undergrowth, grasses.		
		West, along the 49th mile.	_	
-		Over nearly level land.		
-	38.90	Track road, bears NE. and SW.		
	40.00	Point for the $48\frac{1}{2}$ mile cor.		
	i e	Set the post 24 ins. in the ground, cap mkd.		
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North	Boundary,	Hopi	Indian	Reservation,	Arizona

CHAINS	
	Navajo
	EO 1882
	48½ M 1964
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.
44.00	Small wash, drains irregularly S.
57.00	Hogan bears S., 40 links dist.
79.80	Small wash, drains S.
80.00	Point for the 49th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo
	EO 1882 49 M 1964
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of corner.
	Land, nearly level. Soil, sandy. Timber, none; undergrowth, sagebrush, mormon tea.
	West, along the 50th mile.
	Over gently rolling land, through scattered timber.
4.30	Track road, bears N. 20° E. and S. 20° W.
20.00	Wash, 15 links wide, 2 ft. deep, drains SW.; asc. E. slope.
34.00	Rocky rim, bears N. 15° E. and S. 15° W.; cont. asc. gentle E. slope through scattered timber.
40.00	Point for the $49\frac{1}{2}$ mile cor.
	Set the post 22 ins. in the ground, and in a small collar of stone to top, cap mkd.
	Navajo
	EO 1882 49½ M 1964
42.00	End asc.; over nearly level land.
47.00	Track road, bears NW. and SE.
62.50	Track road, bears irregularly N. and S.
80.00	Point for the 50th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
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North	Boundary,	Hopi	Indian	Reservation,	Arizona
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	CHAINS	
-		Navajo
•		EO 1882 50 M 1964
• *		Raise a small mound of stone west of corner.
•		Land, rolling E 1/2 mile, nearly level mesa W 1/2 mile. Soil, sandy and rocky. Timber, cedar; undergrowth, sagebrush.
		West, along the 51st mile.
		Over nearly level land, through scattered timber.
	1.80	Unimproved road, bears NW. and SE.
	22.90	Wash, 15 links wide, 4 ft. deep, drains S.
	37.40	Unimproved road, bears irregularly NW. and SE.
	40.00	Point for the $50\frac{1}{2}$ mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		Navajo
		EO 1882 50½ M 1964
		from which
		A cedar, 14 ins. diam., bears S. 72° W., 144 links dist., mkd. 50½ M BT
		A cedar, 8 ins. diam., bears N. 39½° W., 127 links dist., mkd. 50½ M BT
	40.50	Unimproved road, bears NW. and SE.
٠,	66.50	Wash, 15 links wide, 2 ft. deep, drains irregularly SW.
	79.80	Wash, 10 links wide, 2 ft. deep, drains irregularly SW.
	80.00	Point for the 51st mile cor.
-		Set the post 24 ins. in the ground, cap mkd.
		Navajo
		EO 1882 51 M 1964
		from which
		A cedar, 24 ins. diam., bears S. 66° W., 53 links dist., mkd. EO 1882 51 M BT
		Only bearing tree available.

47. <u>\(\sigma\_{\sigma}\)</u>

Land, nearly level.				
Soil, rocky. Timber, cedar; undergrowth, sagebrush.				
West, along the 52nd mile.				
Over gently rolling land. Wash, 15 links wide, 5 ft. deep, drains S.				
Point for the $51\frac{1}{2}$ mile cor.				
Set the post 24 ins. in the ground, cap mkd.				
Navajo				
EO 1882 51½ M 1964				
Track road, bears NW. and SE.				
Small wash, drains irregularly S.				
Track road, bears NE. and SW.				
Point for the 52nd mile cor.				
Set the post 24 ins. in the ground, cap mkd.				
Navajo				
EO 1882 52 M 1964				
Raise a small mound of stone W. of corner.				
Land, gently rolling. Soil, sandy, rocky. Timber, cedar; undergrowth, sagebrush, mormon tea.				
West, along the 53rd mile.				
Over nearly level land, no timber.				
Small wash in Sour Water Canyon, drains S. 10° W.				
Track road, bears NE. and SW.				
Track road, bears NW. and SE.				
Point for the $52\frac{1}{2}$ mile cor.				
Set the post 24 ins. in the <b>g</b> round, cap mkd.				
Navajo				
EO 1882 52½ M 1964				
Raise a mound of stone W. of corner.				

Track road, bears NW. and SE.  77.30  Track road, bears NW. and SE.  80.00  Point for the 53rd mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 53 M 1964  Raise a small mound of stone W. of corner.  Land, gently rolling to nearly level. Soil, sandy, gravelly. Timber, sparse cedar; undergrowth, sagebrush.  West, along the 54th mile.  Over level land.  Track road, bears NE. and SW.  Point for the 53 mile cor. Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 53 M 1964  Raise a small mound of stone W. of corner.  Track road, bears NE. and SW.  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 53 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.  Earbed wire fence, bears irregularly SE. and NW.		North Boundary, Hopi Indian Reservation, Arizona	4
77.30  Track road, bears NW. and SE.  Point for the 53rd mile cor.  Set the post 24 ins. in the ground, cap mkd.    Navajo   E0 1882   53 M   1964		Track road, bears NW. and SE.	
Set the post 24 ins. in the ground, cap mkd.    Navajo   E0 1882   53 M   1964	77.30		
Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 53 M 1964  Raise a small mound of stone W. of corner.  Land, gently rolling to nearly level. Soil, sandy, gravelly. Timber, sparse cedar; undergrowth, sagebrush.  West, along the 54th mile.  Over level land.  26.70  Track road, bears NE. and SW.  Point for the 53½ mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 53½ M 1964  Raise a small mound of stone W. of corner.  Track road, bears NE. and SW.  74.80  Barbed wire fence, bears N. and S.  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile. Continue over nearly level land.			
Navajo  E0 1882 53 M 1964  Raise a small mound of stone W. of corner.  Land, gently rolling to nearly level. Soil, sandy, gravelly. Timber, sparse cedar; undergrowth, sagebrush.  West, along the 54th mile.  Over level land.  Track road, bears NE. and SW.  Point for the 53½ mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 53½ M 1964  Raise a small mound of stone W. of corner.  Track road, bears NE. and SW.  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile. Continue over nearly level land.			
Raise a small mound of stone W. of corner.  Land, gently rolling to nearly level. Soil, sandy, gravelly. Timber, sparse cedar; undergrowth, sagebrush.  West, along the 54th mile.  Over level land.  26.70  Track road, bears NE. and SW.  Point for the 53½ mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 53½ M 1964  Raise a small mound of stone W. of corner.  Track road, bears NE. and SW.  74.80  Barbed wire fence, bears N. and S.  80.00  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile. Continue over nearly level land.		· · · · · · · · · · · ·	
Land, gently rolling to nearly level. Soil, sandy, gravelly. Timber, sparse cedar; undergrowth, sagebrush.  West, along the 54th mile.  Over level land.  26.70  Track road, bears NE and SW.  Point for the 53½ mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo E0 1882 53½ M 1964  Raise a small mound of stone W. of corner.  Track road, bears NE and SW.  Barbed wire fence, bears N. and S.  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo E0 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile. Continue over nearly level land.		53 M	
Soil, sandy, gravelly. Timber, sparse cedar; undergrowth, sagebrush.  West, along the 54th mile.  Over level land.  Track road, bears NE. and SW.  Point for the 53½ mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882  53½ M  1964  Raise a small mound of stone W. of corner.  Track road, bears NE. and SW.  74.80  Barbed wire fence, bears N. and S.  80.00  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882  54 M  1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile. Continue over nearly level land.		Raise a small mound of stone W. of corner.	
West, along the 54th mile.  Over level land.  Track road, bears NE. and SW.  Point for the 53½ mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 53½ M 1964  Raise a small mound of stone W. of corner.  Track road, bears NE. and SW.  Barbed wire fence, bears N. and S.  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.		Soil, sandy, gravelly.	
Over level land.  Track road, bears NE. and SW.  Point for the 53½ mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882  53½ M  1964  Raise a small mound of stone W. of corner.  Track road, bears NE. and SW.  Barbed wire fence, bears N. and S.  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882  54 M  1964  Land, level.  Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.	·		
Track road, bears NE. and SW.  Point for the 53½ mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 53½ M 1964  Raise a small mound of stone W. of corner.  Track road, bears NE. and SW.  Barbed wire fence, bears N. and S.  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.		West, along the 54th mile.	
Point for the 53½ mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882  53½ M  1964  Raise a small mound of stone W. of corner.  Track road, bears NE. and SW.  Barbed wire fence, bears N. and S.  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882  54 M  1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.		Over level land.	
Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 53½ M 1964  Raise a small mound of stone W. of corner.  Track road, bears NE. and SW.  Barbed wire fence, bears N. and S.  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.	26.70	Track road, bears NE. and SW.	
Navajo  E0 1882 53½ M 1964  Raise a small mound of stone W. of corner.  Track road, bears NE. and SW.  Barbed wire fence, bears N. and S.  80.00  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.	40.00	Point for the 53½ mile cor.	
E0 1882 53½ M 1964  Raise a small mound of stone W. of corner.  68.90  Track road, bears NE. and SW.  74.80  Barbed wire fence, bears N. and S.  80.00  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo E0 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.		Set the post 24 ins. in the ground, cap mkd.	
Raise a small mound of stone W. of corner.  68.90 Track road, bears NE. and SW.  80.00 Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  EO 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.		Navajo	
Track road, bears NE. and SW.  Barbed wire fence, bears N. and S.  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  EO 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.		53½ M	
Barbed wire fence, bears N. and S.  Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.	·	Raise a small mound of stone W. of corner.	
80.00 Point for the 54th mile cor.  Set the post 24 ins. in the ground, cap mkd.  Navajo  E0 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.	68.90	Track road, bears NE. and SW.	
Set the post 24 ins. in the ground, cap mkd.  Navajo  EO 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.	74.80	Barbed wire fence, bears N. and S.	
Navajo  E0 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.	80.00	Point for the 54th mile cor.	
Navajo  E0 1882 54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.		Set the post 24 ins. in the ground, cap mkd.	
54 M 1964  Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.			
Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile. Continue over nearly level land.		EO 1882	
Land, level. Soil, sandy. Timber, cedar, pine; undergrowth, sagebrush, grasses.  West, along the 55th mile.  Continue over nearly level land.			
Continue over nearly level land.		Land, level. Soil, sandy.	
		West, along the 55th mile.	_
26.00 Barbed wire fence, bears irregularly SE. and NW.		Continue over nearly level land.	
	26.00	Barbed wire fence, bears irregularly SE. and NW.	
	l		

		North Boundary, Hopi Indian Reservation, Arizona 50			
	CHAINS				
	33.10	Hogan bears S. 20 links dist.; enter timber.			
l	40.00	Point for the 54½ mile cor.			
		Set the post 24 ins. in the ground, cap mkd.			
		Navajo			
		EO 1882 54½ M 1964			
		from which			
		A cedar, 14 ins. diam., bears N. 20° W., 105 links dist., mkd. 54½ M BT			
		Only bearing tree available.			
	47.80	Wash, 10 links wide, 2 ft. deep, drains irregularly SE.			
	58.00	Leave heavily timbered area.			
	74.00	Draw, drains S. 70° E.; asc. SE. slope of White Mesa.			
	78.30	Point selected for witness corner for the 55th mile cor.			
		Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.			
		Navajo			
		EO 1882 WC 55 M 1964			
		Cor. falls on SE. slope of mesa.			
	80.00	True point for the 55th mile corner falls on steep SE. face of ledge where the position cannot be perpetuated.			
		Land, rolling and broken. Soil, rocky, sandy. Timber, cedar, pinon; undergrowth, oakbrush, sagebrush.			
		West, along the 56th mile.			
		Asc. along SE. slope of mesa.			
	11.10	E. rim of White Mesa, over nearly level land.			
	28.50	Enter into dense timber, bears irregularly N. and S.			
	29.30	Unimproved road, bears NW. and SE.			
	39.35	Unimproved road, bears NW. and SE.			
	40.00	Point for the $55\frac{1}{2}$ mile cor.			
		Set the post 24 ins. in the ground, cap mkd.			
		Navajo			
		EO 1882 55½ M 1964			
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CHAINS	Raise a mound of stone, 4 ft. base, 3 ft. high, W. of corner.
51.40	Track road, bears NE. and SW.
53.68	The Northwest Corner of the Hopi Indian Reservation hereinbefore described.
	West Boundary, Hopi Indian Reservation, Arizona
	From the NW. corner of the Hopi Indian Reservation, hereinbefore described
	South, along the 111°00'00" W. longitude line, beginning new measurement.
	Over nearly level mesa top, through scattered timber.
6.90	Unimproved road, bears NE. and SW.
8.02	Point selected as witness point at intersection of W. bdy. of reservation and unimproved road.
	Set the post in the center of a concrete cone, 30 ins. long, 18 ins. at the base, 6 ins. at the top, 10 ins. in the ground, with cap mkd.
	EO 1882   55½ M  + 21.70   1964
26.32	Point for the 56th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 Navajo 56 M
	Navajo [56 M 1964
	from which
	A cedar, 12 ins. diam., bears N. 25° E., 14 links dist., mkd. 56 M BT
	A cedar, 12 ins. diam., bears S. $42\frac{1}{2}$ W., 16 links dist., mkd. 56 M BT
	A small spring bears S. 80° E., 550 links dist. This spring is located at base of broken sandstone ledge and has a small flow of water at this time.
	Land, nearly level mesa top. Soil, sandy.
	Timber, scattered pinon, cedar; undergrowth, black- brush, bunch grass.
	South, along the 57th mile.
	Over gently rolling land called White Mesa.
39.05	Unimproved road, bears E. and W.

CHAINS	Deink for the Education
40.00	Point for the 56½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 Navajo   56½ M 1964
	from which
	A hogan bears N. 40°45' W., 430 links dist.
54.80	Unimproved road, bears N. 30° E. and S. 30° W.
79.70	Unimproved road, bears E. and W.
80.00	Point for the 57th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882 57 M 1964
	from which
	A wood frame house bears N. 54°15' W., 560 links dist.
	Land, gently rolling. Soil, sandy. Timber, pinon, cedars; undergrowth, blackbrush and bunch grass
	South, along the 58th mile.
	Over gently rolling land.
38.48	Unimproved road, bears NE. and SW.
40.00	Point for the 57½ mile cor.
	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo   EO 1882 57½ M 1964
	Continue over gently rolling land.
58.60	Unimproved road, bears NE. and NW.
80.00	Point for the 58th mile cor.
	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo   EO 1882 58 M 1964
	Land, gently rolling. Soil, sandy. Timber, scattered pinon and cedar; undergrowth, black-brush, yellow brush and bunch grass.

		BOOK 4747
		West Boundary, Hopi Indian Reservation, Arizona 53.
	CHAINS	
-		South, along the 59th mile.
•		Over gently rolling land, on White Mesa.
·	29.20	South rim of White Mesa, bears NE. and SW.
	37.75	Wash, 15 links wide, 1 ft. deep, drains NE. 200 links dist., then changes to SE.; asc. N. slope.
	40.00	Point for the $58\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo   EO 1882   58½ M   1964
		Cor. falls on N. slope of spur.
		Asc. N. slope.
	43.20	Crest of spur; desc. along SW. slope.
•	67.95	
	07.55	Wash, 10 lks. wide, 1 ft. deep, drains SE.; asc. NE. slope.
	75.90	Spur, slopes SE.
	80.00	Point for the 59th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
,		Navajo   EO 1882   59 M   1964
	i.	Land, N. 1/4 mile along nearly level mesa; S. 3/4 mile over rolling land. Soil, sandy. Timber, scattered pinon and cedar; undergrowth, black brush and bunch grass.
		South, along the 60th mile.
<i>,</i>		
	0.22	Over gently rolling land; desc. SW. slope.
	8.33	Wash, 20 links wide, 1 ft. deep, drains SW.
	38.83	Unimproved road, bears N. 10° E. and S. 15° W.
	40.00	Point for the 59½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo   59½ M 1964
		Continue over gently rolling land.
	43.13	Unimproved road, bears S. 10° E. and N. 10° W.
	54.82	Unimproved road, bears S. 15° E. and N. 15° W.
	•	

CHAINS	
80.00	Point for the 60th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882 Navajo   60 M 1964
	Land, gently rolling. Soil, sandy. Timber, lightly scattered pinon and cedar; undergrowth, scattered black brush, yellow brush and bunch grass.
	South, along the 61st mile.
	Over gently rolling land.
7.20	Wash, 30 links wide, 2 ft. deep, drains SW.
20.50	Same wash, 1 chain wide, drains SE.
28.55	Unimproved road bears S. 30° W. and N. 40° E.
40.00	Point for the $60\frac{1}{2}$ mile post.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo $\begin{bmatrix} EO & 1882 \\ 60\frac{1}{2} & M \end{bmatrix}$
46.35	Wash, 15 links wide, 2 ft. deep, drains SE.
80.00	Point for the 61st mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882   61 M   1964
	Land, gently rolling. Soil, sandy. Timber, scattered cedars; undergrowth, black and yellow brush, bunch grass.
	South, along the 62nd mile.
	Desc. over gently rolling land.
14.73	Wash, 25 links wide, 2 ft. deep, drains SE.
40.00	Point for the $61\frac{1}{2}$ mile cor.
· ·	Set the post 20 ins. in the ground with a collar of stone to top, cap mkd.
	Navajo   EO 1882   61½ M   1964
50.64	Unimproved road, bears N. 20° W. and S. 20° E.
65.70	Small draw, drains SE.

## BCOK 4747

	- 001, 4141
CHAINS	West Boundary, Hopi Indian Reservation, Arizona 55.
80.00	Point for the 62nd mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882
	Navajo 62 M 1964
	Land, rolling. Soil, sandy.
	Timber, scattered cedars; undergrowth, black brush and bunch grass.
	South, along the 63rd mile.
	Over nearly level land.
31.50	Unimproved road, bears E. and W.
37.74	Unimproved road, bears S. 30° E. and N. 30° W.
40.00	Point for the 62½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
·	Navajo   EO 1882 Navajo   62½ M 1964
47.92	Barbed wire fence, bears S. 72° E. and N. 72° W.
	Enter cultivated field.
58.09	Leave cultivated field; fence bears N. 40° E. and S. 40° W.
62.54	Barbed wire fence, bears S. 45° E. and N. 45° W.
62.85	Telephone line, bears S. 42°20' E. and N. 42°20' W.
78.48	Unimproved road, bears S. 40° W. and N. 40° E.
80.00	Point for the 63rd mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882 Navajo   63 M 1964
	Land, rolling. Soil, sandy. Timber, scattered cedars; undergrowth, black brush, bunch grass.
	South, along the 64th mile.
	Over nearly level land.
11.47	Unimproved road, bears S. 30° W. and N. 30° E.
36.28	Track road, bears N. 10° E. and S. 10° W.
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	West Boundary, Hopi Indian Reservation, Arizona 56
CHAINS	
40.00	Point for the $63\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo $egin{pmatrix} {\sf EO} & 1882 \\ 63rac{1}{2} & {\sf M} \\ 1964 \end{bmatrix}$
43.15	Wash, 20 links wide, 2 ft. deep, drains SE.
49.95	Track road, bears S. 40° E. and N. 40° W.
67.76	Unimproved road, bears S. 30° W. and N. 30° E.
77.46	Wash, 10 links wide, 2 ft. deep, drains E.
80.00	Point for the 64th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 Navajo   64 M 1964
	from which
	A windmill bears N. 64°11' E., 287.19 chs. dist.
	Land, nearly level. Soil, sandy. Timber, widely scattered cedars; undergrowth, black brush, yellow brush, bunch grass.
	South, along the 65th mile.
	Over gently rolling land.
5.93	Small draw, drains East.
36.98	Draw, drains NE.
40.00	Point for the $64\frac{1}{2}$ mile cor.
	Set the post 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.
	Navajo
42.00	Unimproved road, bears S. 40° E. and N. 60° W.
77.03	Track road, bears S. 20° W. and N. 20° E.
80.00	Point for the 65th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
٠.	Navajo   65 M 1964
	Land, gently rolling. Soil, sandy. Timber, widely scattered cedars; undergrowth, black brush and bunch grass.

*	CHATSTO	West Boundary, Hopi Indian Reservation, Arizona	57.
	CHAINS	South, along the 66th mile.	
		Over nearly level land.	
	2.20	Crest of low ridge, bears S, 15° E. and N. 15° W.	
•	2.40	Unimproved road, bears N. 15° W. and S. 15° E.	
•	17.58	Center of bladed road, bears S. 20° E. and N. 20° W.	
	19.26	Point selected as witness point near S. edge of bladed road.	
		Set the post in the center of a concrete cone 30 ins, long, 18 ins. at the base, 6 ins. at the top, 12 ins. in the ground, with cap mkd.	
		Navajo   EO 1882   65 M   + 19.26   1964	
	24.96	Track road, bears S. 20° E. and N. 20° W.	
	40.00	Point for the 65½ mile cor.	
		Set the post 24 ins. in the ground, with a collar of stone to top, cap mkd.	
		Navajo   EO 1882 Navajo   65½ M 1964	
		from which	
		A windmill bears N. 66°45' W., 21.16 chs. dist.	
	40.62	Track road, bears S. 30° E. and N. 30° W.	
	51.16	Bladed road, bears E. and W.	
	74.25	Unimproved road, bears E. and N. 20° W.	
	75.80	Small hogan, bears E., 154 links dist.	
	80.00	Point for the 66th mile cor.	
•		Set the post 24 ins. in the ground, cap mkd.	
-		Navajo   EO 1882   66 M   1964	
		Land, nearly level. Soil, sandy. Timber, widely scattered cedar trees; undergrowth, blackbrush, bunch grass, cacti.	
		South, along the 67th mile.	
		Over nearly level land.	
	1.15	Unimproved road, bears S. 20° W. and N. 20° E.	
		'	I

		nese Boundary, nop- 21101111 1101011, 1
1	<b>HAINS</b> 9.80	Crest of low ridge, bears S. 30° E. and N. 30° W.
]	0.00	Point for the $66\frac{1}{2}$ mile cor.
"	0.00	Set the post 20 ins. in the ground and in a collar
	,	of stone to the top, cap mkd.
		Navajo $\begin{vmatrix} E0 & 1882 \\ 66\frac{1}{2} & M \\ 1964 \end{vmatrix}$
4	1.62	Unimproved road, bears S. 20° E. and N. 30° W.
8	0.00	Point for the 67th mile cor.
	·	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
		Navajo   67 M 1964
		Land, nearly level.
		Soil, sandy. Timber, widely scattered cedar trees; undergrowth, black brush, yellow brush and bunch grass.
		South, along the 68th mile.
		Over nearly level land.
1	19.50	Unimproved road, bears E. and W.
		Thence over low rolling sand dunes sloping SW.
4	+0.00	Point for the $67\frac{1}{2}$ mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to the top, cap mkd.
		Navajo   EO 1882   67½ M   1964
		Continue over low rolling sand dunes.
6	67.46	Track road, bears S. 30° W. and N. 30° E.
8	30.00	Point for the 68th mile cor.
		Set the post 15 ins. in the ground, and in a mound of stone to top, cap mkd.
		Navajo   EO 1882   68 M   1964
		Land, first 1/4 mile nearly level, last 3/4 mile gently rolling. Soil, sandy. Timber, widely scattered cedar trees; undergrowth, blackbrush, bunch grass, cacti.
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		West Boundary, Hopi Indian Reservation, Arizona 59.	<i>\</i>
	CHAINS		
-		South, along the 69th mile.	
		Over gently rolling sand dunes.	
. •	35.62	Top of small sandy knoll; leave sand dunes, continue over gently rolling land.	
	40.00	Point for the 68½ mile cor.	
		Set the post 6 ins. in the ground to bedrock and in a mound of stone to top, cap mkd.	
		EO 1882   Navajo   68½ M   1964	
	41.44	Track road, bears S. 45° E. and N. 45° W.	
	73.20	Track road, bears S. 60° W. and N. 60° E.	
	80.00	Point for the 69th mile cor.	
		Set the post 10 ins. in the ground to bedrock and in a mound of stone to top, cap mkd.	
		Navajo   EO 1882 . Navajo   69 M 1964	
	,	Land, gently rolling. Soil, sandy. Timber, widely scattered cedar trees. Undergrowth, mormon tea, bunch grass.	
		South, along the 70th mile.	
		Over nearly level land.	
	30.40		
		Unimproved road, bears E. and W.	
	40.00	Point for the 69½ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		Navajo 69½ M 1964	
	56.39	Unimproved road, bears S. 10° W. and N. 10° E.	
	73.56	Unimproved road, bears S. 30° E. and N. 30° W.	
	77.76	Unimproved road, bears E. and W.	
	80.00	Point for the 70th mile cor.	
	,	Set the post 24 ins. in the ground, cap mkd.	
		EO 1882	
		Navajo 70 M 1964	
		Land, nearly level. Soil, sandy. Timber, none. Undergrowth, blackbrush, yellow brush, bunch grass, cactus.	

60		west boundary, hopi indian Reservation, Arrizona ou
	CHAINS	South, along the 71st mile.
	0.00	Over nearly level land.
	2.22	Unimproved road, bears S. 15° E. and N. 15° W.
	40.00	Point for the $70\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo   70½ M 1964
	48.35	Point selected as witness point on North side of Arizona Highway No. 64.
		Set the post in the center of a concrete cone, 30 ins. long, 18 ins. at the base, 6 ins. at the top, 12 ins. in the ground, with cap mkd.
		EO 1882   70½ M   +8.35 chs.   1964
	50.54	Center of Arizona Highway No. 64, bears S. 43°58' W. and N. 43°58' E.
	52.72	Point selected as witness point on South side of Arizona Highway No. 64.
		Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 12 ins. in the ground, with cap mkd.
		Navajo $\begin{bmatrix} EO & 1882 \\ 70\frac{1}{2} & M \\ +12.72 & chs. \\ 1964 \end{bmatrix}$
	57.06	Bladed road, bears N. 44° E. and S. 65° W.
	80.00	Point for the 71st mile cor.
	·	Set the post 22 ins. in the ground and in a collar of stone to the top, cap mkd.
		Navajo   71 M
		1964
		Land, nearly level. Soil, sandy. Timber, none; undergrowth, blackbrush and bunch grass.
		South, along the 72nd mile.
		Over nearly level land.
	23.50	Unimproved road, bears S. 60° E. and N. 60° W.
	40.00	Point for the $71\frac{1}{2}$ mile cor.
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CHAINS	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo   EO 1882   71½ M   1964
51.00	Small spur, slopes NE.
80.00	Point for the 72nd mile cor.
	Set the post 22 ins. in the ground, and in a collar of stone to top, cap mkd.
	Navajo   EO 1882   72 M   1964
	Land, gently rolling.
	Soil, sandy.  No timber; undergrowth, sagebrush, black brush and bunchgrass.
	South, along the 73rd mile.
	Over nearly level land.
31.27	Unimproved road, bears S. 30° W. and N. 30° E.
40.00	Point for the 72½ mile cor.
*	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882   Navajo   72½ M   1964
60.55	Unimproved road, bears N. 30° W. and S. 40° E.
69.10	Unimproved road, bears E. and W.
80.00	Point for the 73rd mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo   EO 1882   73 M   1964
	Land, rolling. Soil, sandy. No timber; undergrowth, black brush, yellow brush, bunch grass.
	South, along the 74th mile.
	Over gently rolling land.
5.04	Unimproved road, bears S. 10° W. and S. 30° E.
5.84	Wash, 20 links wide, 2 ft. deep, drains SE.

	Total Transfer Indian Reservation, Milzona
CHAINS	
10.68	Draw, drains E.
40.00	Point for the 73½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo 73½ M 1964
	from which
	United States Coast and Geodetic triangulation station LITTLE WHITE MESA bears N. 78°54'20" W., 67.056 chains dist., a standard disk cemented in a drill hole in a buried boulder 14 ins. in diameter and projecting 12 ins.
45.20	Wash, 10 lks. wide, 2 ft. deep, drains S. 15° E.
65.80	Wash, 8 1ks. wide, 2 ft. deep, drains SE.
80.00	Point for the 74th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882 74 M 1964
	Land, rolling. Soil, sandy. No timber; undergrowth, blackbrush, yellow brush.
	South, along the 75th mile.
	Over gently rolling land.
31.69	Fence, bears S. 60° E. and N. 60° W.
40.00	Point for the 74½ mile cor.
	Set the post 12 ins. in the ground to bedrock and in a mound of stone 3 ft. base to top, cap mkd.
	Navajo   EO 1882   74½ M   1964
41.90	Wash, 20 links wide, 2 ft. deep, drains E.
63.70	Wash, 10 links wide, 1 ft. deep, drains S. 50° E.
80.00	Point for the 75th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882   75 M   1964
	Land, rolling. Soil, sandy. No timber; undergrowth, patches of blackbrush, bunch grass, yucca.

CHAINS	South, along the 76th mile.
	Over gently rolling land.
40.00	Point for the 75½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
•	Navajo   EO 1882 Navajo   75½ M 1964
52.26	Four Corners Petroleum Pipe Line bears NE. and SW.; Sta. #131 bears E. 56 links distant.
64.20	Telephone line, bears S. 37°10' W, and N. 37°10' E.
65.25	Point selected as witness point.
	Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 12 ins. in the ground, with cap mkd.
	EO 1882   75½ M   +25.25   1964
66.50	Track road, bears S. 37° W. and N. 37° E.
80.00	Point for the 76th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882   76 M   1964
	No timber; undergrowth, patches of blackbrush and bunch grass.
	South, along the 77th mile.
40.00	Over gently rolling land. Point for the $76\frac{1}{2}$ mile cor.
+0.00	
	Set the post 24 ins. in the ground, cap mkd.  [EO 1882 Navajo 76½ M
80.00	1964 Point for the 77th mile cor.
, o • o o	Set the post 24 ins. in the ground, cap mkd.
	, , , , , , , , , , , , , , , , , , ,
	Navajo 77 M
	1964
	1964 Land, rolling. Soil, sandy.
	1964  Land, rolling. Soil, sandy. No timber; undergrowth, desert grasses, black brush.

West	Boundary.	Hopi	Indian	Reservation,	Arizona
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CHAINS Se	
1 !	t the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882 Navajo   77½ M 1964
80.00 Po	int for the 78th mile cor.
Se	t the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882   78 M   1964
So	nd, gently rolling. il, sandy. timber; undergrowth, bunch grass, black brush.
Son	uth, along the 79th mile.
Ove	er gently rolling land.
40.00 Po:	int for the $78\frac{1}{2}$ mile cor.
Se <sup>-</sup>	t the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882   78½ M   1964
41.20 Un:	improved road, bears N. 30° W. and S. 30° E.
80.00 Po:	int for the 79th mile cor.
	t the post 20 ins. in the ground and in a collar of one to top, cap mkd.
	Navajo   FO 1882 1964
So: No	nd, rolling. il, sandy. timber; undergrowth, desert grasses, black brush, ucca.
Son	uth, along the 80th mile.
	er gently rolling land.
	improved road, bears E. and W.
40.00 Pos	int for the $79\frac{1}{2}$ mile cor.
Se	t the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882   79½ M   1964
76.50 En	ter sandstone area.
80.00 Po	int for the 80th mile cor.
,	t the post 15 ins. in the ground to bedrock and in mound of stone, $3\frac{1}{2}$ ft. base to top, cap mkd.
	Navajo   EO 1882 80 M 1964
So	nd, rolling. il, sandy. timber; undergrowth, bunch grass, black brush.

West H	Boundary,	Hopi	Indian	Reservation,	Arizona
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	The state of the s
CHAINS	South, along the 81st mile.
	Over broken sandstone and rolling land.
1.63	Point selected as witness point near the north rim of Blue Canyon.
	Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 12 ins. in the ground, with cap mkd.
	Navajo   EO 1882   80 +   1.63 chs.   1964
2.10	North rim of Blue Canyon, sandstone cliff 40 ft. high, bears N. 70° E. and S. 70° W.
7.00	Center of wash in bottom of Blue Canyon, 20 links wide, 6 ins. deep, drains S. 80° W.
12.50	South rim of Blue Canyon, 100 ft. high, bears E. and W.
15.00	Leave sandstone area, continue over rolling land.
40.00	Point for the $80\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882 Navajo   80½ M 1964
30.00	Point for the 81st mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882   Navajo   81 M   1964
	Land, rolling and broken. Soil, sandy. No timber; undergrowth, bunch grass, cactus, yellow brush.
	South, along the 82nd mile.
	Over rolling land.
0.00	Point for the $81\frac{1}{2}$ mile cor.
	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo   EO 1882 Navajo   81½ M 1964
1.00	North rim of Ha-Ho-No-Geh Canyon, bears N. 80° W. and S. 80° E.; desc. over vertical ledge 120 ft. high.
6.00	Bottom of canyon, drains N. 70° W.
0.00	Bottom of canyon, drains N. 70° W.

West	Boundary,	Hopi	Indian	Reservation,	Arizona
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6 ·		West Boundary, Hopi Indian Reservation, Arizona	66.
	CHAINS		
	66.00	South rim of Ha-Ho-No-Geh Canyon.	
	į	Thence over rolling land.	
	80.00	Point for the 82nd mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		Navajo   EO 1882 Navajo   82 M 1964	
		Land, rolling and broken. Soil, sandy. No timber; undergrowth, bunch grass, cactus.	
		South, along the 83rd mile.	
		Over rolling land.	
	23.90	Road, bears N. 20° E. and S. 20° W.	
	40.00	Point for the $82\frac{1}{2}$ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		Navajo   EO 1882 Navajo   82½ M 1964	
	59.30	Trail, bears S. 40° E. and N. 40° W.	
	80.00	Point for the 83rd mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		Navajo   EO 1882   83 M   1964	
		Cor. falls on gently rolling SW. slope.	
		Land, rolling. Soil, sandy. No timber; undergrowth, blackbrush, desert grasses.	
		South, along the 84th mile.	
		Over rolling land.	
	30.60	Trail, bears N. 25° W. and S. 25° E.	
	40.00	Point for the $83\frac{1}{2}$ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		Navajo   EO 1882 Navajo   83½ M 1964	
	,	from which	

	CHAINS	West Boundary, Hopi Indian Reservation, Arizona	67.
		The cor. of secs. 7, 12, 13 and 18 of T31N, R12&13E, bears N. 68°51' E., 48.05 chs. dist., monumented by a regulation G.L.O. 3-inch iron post, marked and set as described in original field notes.	
	57.00	Sandstone cliff, bears N. 15° W. and S. 20° E.; desc. SW. slope.	
	76.80	Small wash, drains N. 10° W.	
	80.00	Point for the 84th mile cor.	
		Set the post 24 ins. in the ground, cap mkd.  Navajo   E0 1882   84 M   1964	
		Cor. falls on W. slope.	
		Land, rolling and broken. Soil, sand and clay. No timber; undergrowth, desert grasses, blackbrush, yucca.	
		South, along the 85th mile.	
		Over rolling land.	
	29.30	Start desc. over clay spurs into Coal Canyon.	
	40.00	Point for the 84½ mile cor.	
		Set the post 20 ins. in the ground, and in a collar of stone to the top, cap mkd.	
		Navajo   EO 1882 Navajo   84½ M 1964	
		Continue South along the bottom of Coal Canyon.	
	53.20	Wash, 40 lks. wide, 5 ft. deep, drains S. 30° W.	
	80.00	Point for the 85th mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882   Navajo	
-		Land, rolling and broken. Soil, clay and sandstone. No timber; undergrowth, desert grasses and blackbrush.	
		South, along the 86th mile.	
		Over rolling land.	
	8.00	Asc. along steep NW. clay slope.	
	12.60	Over rolling and broken clay spurs.	į

West	Boundary,	Hopi	Indian	Reservation,	Arizona
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CHAINS	Over malling and a man
28.10	Over rolling sandy mesa.
40.00	Point for the $85\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882 Navajo   85½ M 1964
69.00	Desc. along broken SE. slope.
80.00	Point for the 86th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882 Navajo   86 M 1964
	Cor. falls at the base of a steep sand and clay SE. slope.
	Land, rolling and broken. Soil, sand and clay. No timber; undergrowth, desert grasses, cactus.
	South, along the 87th mile.
	Over rolling land.
20.50	Wash, 10 links wide, 1 ft. deep, drains NE.
37.30	Wash, 10 links wide, 2 ft. deep, drains NE.
40.00	Point for the $86\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882 Navajo   86½ M 1964
43.00	Wash, 20 links wide, 1 ft. deep, drains N. 70° E.
51.40	Ridge, bears SW. and NE.
76.00	Spur, slopes N. 30° E.
80.00	Point for the 87th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882
	Navajo   87 M 1964
	Land, rolling and broken. Soil, sandy and clay. No timber; undergrowth, yellow brush, rabbit brush, bunch grass.

#### West Boundary, Hopi Indian Reservation, Arizona

CHAINS	South, along the 88th mile.
	Over rolling land.
14.30	Asc. over steep W. slope.
27.00	Slope changes to NW.
37.40	Rolling and broken ridge, bears S. 45° W. and N. 30° E.;
37.10	desc. SW. slope.
39.46	Point selected for the witness corner for the $87\frac{1}{2}$ mile corner.
	Set the post 24 ins. in the ground, cap mkd.
	<b>W</b> C   EO 1882 Navajo   87½ M 1964
40.00	True point for the $87\frac{1}{2}$ mile cor. falls on steep clay slope where monument cannot be set.
î.	Desc. steep, broken S. slope.
41.50	Bottom of steep desc.; cont. over rolling land.
65.60	Draw, Drains NE.
75.50	Wash, 25 links wide, 2 ft. deep, drains N. 30° E.
80.00	Point for the 88th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882 Navajo   88 M 1964
	Land, rolling and broken.
	Soil, sandy clay. No timber; undergrowth, yellow brush, bunch grass.
	South, along the 89th mile.
	Over rolling land; asc. gentle NW. slope.
10.50	Asc. steep NW. clay slope.
13.85	Crest of ridge, bears S. 45° W. and N. 20° E.; desc. broken SE. slope.
40.00	Point for the 88½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882   88½ M   1964
	The $88\frac{1}{2}$ mile cor. falls on gentle NE. slope.
41.45	Draw, drains NE.
	·

	west Boundary, nopr Indian Reservation, Arrizona
CHAINS	
61.80	Desc. along steep, ledgy west slope.
80.00	Point for the 89th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	Navajo   EO 1882   89 M   1964
	Cor. falls on gentle NE. slope.
,	Land, rolling, broken. Soil, sandy clay. No timber; undergrowth, bunch grass, yellow brush, cactus.
	South, along the 90th mile.
	Over rolling land.
14.50	Asc. along broken clay and sandstone NW. slope.
36.30	South rim of Coal Canyon, sandstone ledge 150 ft. high; continue over rolling land.
40.00	Point for the $89\frac{1}{2}$ mile cor.
	Set the post in a metal cone filled with concrete 12x18x30 ins., 15 ins. in the ground, cap mkd.
	Navajo   EO 1882 Navajo   89½ M 1964
80.00	Point for the 90th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
,	Navajo   EO 1882 90 M 1964
	Cor. falls on gentle NE. slope.
	Land, N 1/2 mile rolling and broken, S 1/2 mile nearly level. Soil, sandy and clay. No timber; undergrowth, yellow brush, bunch grass, cactus.
*	South, along the 91st mile.
	Over rolling land.
10.20	Wash, 15 links wide, 2 ft. deep, drains N. 20° E.
36.60	Over series of sandstone outcroppings projecting W.
37.30	Wash, 5 links wide, 1 ft. deep, drains N. 10° W.
40.00	Point for the 90½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.

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_	CHAINS	T The state of the
	·	Navajo $\begin{bmatrix} EO & 1882 \\ 90 \frac{1}{2} & M \end{bmatrix}$
		1964
-		from which
		United States Coast and Geodetic Survey triangulation station COAL bears S. 87°13'00" W., 65.51 chs. dist., and is a standard disk set in the top of a 10-inch square concrete post that projects 10 inches.
	63.45	Track road, bears S. 30° W. and N. 30° E.
	74.55	Track road, bears S. 30° W. and N. 30° E.
	80.00	Point for the 91st mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882   Navajo   91 M   1964
		Land, rolling. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass.
		South, along the 92nd mile.
		Over gently rolling land.
	.05	Unimproved road, bears S. 45° E. and N. 45° W.
	2.25	Unimproved road, bears S. 30° W. and N. 30° E.
	7.80	Point selected as a witness point on the N. side of Arizona State Highway No. 264.
		Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 8 ins. in the ground, with cap mkd.
		EO 1882   91 M   +7.80 chs.   1964
	9.49	Center of Arizona Highway No. 264 bears S. 63°27' E. and N. 63°27' W.
	11.19	Point selected as a witness point on the S. side of Arizona State Highway No. 264.
		Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 8 ins. in the ground, with cap mkd.
		Navajo   EO 1882   91 M   +11.19 chs.   1964
	11.20	Telephone line, bears S. 63°27' E. and N. 63°27' W.
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BOOK 4747 West Boundary, Hopi Indian Reservation, Arizona

	west boundary, nopr indian neservation, mirasina
CHAINS	
40.00	Point for the $91\frac{1}{2}$ mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo   EO 1882 Navajo   91½ M 1964
52.00	Unimproved road, bears S. 45° E. and N. 45° W.
80.00	Point for the 92nd mile cor.
	Set the post 30 ins. in the ground, cap mkd.
	Navajo   EO 1882   92 M   1964
	Cor. falls in the center of unimproved road, bears ${\sf E.}$ and ${\sf W.}$
	Land, gently rolling. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass, cacti, sotol.
	South, along the 93rd mile.
·	Over gently rolling land.
25.20	Unimproved road, bears S. $50^{\circ}$ E. and N. $50^{\circ}$ W.
38.70	Unimproved road, bears S. 30° W. and N. 30° E.
40.00	Point for the $92\frac{1}{2}$ mile cor.
	Set the post 22 ins. in the ground, and in a collar of stone to top, cap mkd.
	Navajo   EO 1882 92½ M 1964
50.20	Unimproved road, bears S. 15° W. and N. 15° E.
77.60	Unimproved road, bears S. 20° E. and N. 20° W.
80.00	Point for the 93rd mile cor.
	Set the post 22 ins. in the ground, and in a collar of stone to top, cap mkd.
·	Navajo   EO 1882 Navajo   93 M 1964
·	Land, gently rolling. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass.
	South, along the 94th mile.
	Over nearly level land.

CHAINS	
29.10	Track road, bears S. 60° W. and N. 60° E.
40.00	Point for the $93\frac{1}{2}$ mile cor.
	Set the post 22 ins. in the ground, and in a collar of stone to top, cap mkd.
	EO 1882   Navajo   93½ M   1964
	from which
	The cor. of secs. 1, 6, 31, 36, of T29&30N, R12&13E, bears N. 68°58' E., 47.96 chs. dist., monumented by a regulation G.L.O. 3-inch iron post, mkd. and set as described in the original field notes.
72.70	Unimproved road, bears S. 45° W. and N. 45° E.
80.00	Point for the 94 mile cor.
	Set the post 22 ins. in the ground, and in a collar of stone, cap mkd.
	EO 1882   Navajo
	Land, nearly level. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass, yucca.
	South, along the 95th mile.
	Over nearly level land.
7.65	Unimproved road, bears E. and W.
19.93	Point selected as a witness point on N. edge of well-traveled bladed road.
	Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 8 ins. in the ground, with cap mkd.
	Navajo   EO 1882 Navajo   94 M   + 19.93 chs. 1964
20.23	Bladed road, bears S. 45° W. and N. 45° E.
40.00	Point for the $94\frac{1}{2}$ mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 Navajo   94½ M 1964

Wash, 80 links wide, 1 ft. deep, drains SE.

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West	Boundary,	Hopi	Indian	Reservation,	Arizona

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	<b>CHAINS</b> 64.60	Same wash, drains SW.
	80.00	Point for the 97th mile cor.
<u>.</u>		Set the post 24 ins. in the ground, cap mkd.
•		EO 1882 Navajo   97 M 1964
		Land, nearly level. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass, sotol.
		South, along the 98th mile.
		Over nearly level land.
	12.20	Track road, bears S. 10° W. and N. 10° E.
	12.47	Point selected as witness point on S. side of well-traveled road.
		Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 20 ins. in the ground, cap mkd.
		Navajo   EO 1882   97 M   +12.47 chs.   1964
	40.00	Point for the $97\frac{1}{2}$ mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 Navajo   97½ M 1964
	75.40	Small ridge, bears SW. and NE.
	80.00	Point for the 98th mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 Navajo   98 M 1964
	,	Land, nearly level. Soil, sandy. No timber; undergrowth, yellowbrush, bunch grass and cactus.
		South, along the 99th mile.
		Over nearly level land.
	13.20	Bottom of valley, drains SW.

		BOOK 4747
76		West Boundary, Hopi Indian Reservation, Arizona 76.
	CHAINS	
	17.30	Track road, bears S. 70° E. and N. 70° W.
	40.00	Point for the 98½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo   EO 1882 Navajo   98½ M 1964
	64.30	Unimproved road, bears N. 70° W. and S. 70° E.
	80.00	Point for the 99th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo   99 M 1964
		Land, nearly level. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass, cacti.
		South, along the 100th mile.
		Over nearly level land.
	40.00	Point for the 99½ mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882   Navajo   99½ M   1964
		from which
		The ½ sec. cor. on the S. bdy. of sec. 36, T29N, R12E, bears N. 14°16' E., 17.79 chs. dist., monumented by a regulation G.L.O. iron post, 1 in. diam., firmly set, properly mkd., and witnessed as described in the official record.
	69.10	Bladed road, bears N. 74°22' E. and S. 78°22' E.
	69.41	Point selected as witness point on the S. edge of bladed road.
		Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 18 ins. in the ground, with cap mkd.
		EO 1882   Navajo
	80.00	Point for the 100th mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.

West Boundary, Hopi Indian Reserva	ation, Arizona
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·	west boundary, nopi indian Reservation, Arizona //
CHAINS	Navajo   EO 1882 100 M 1964
	Land, nearly level. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass, cacti.
	South, along the 101st mile.
	Over nearly level land.
2.50	Track road, bears S. 80° W. and N. 80° E.
40.00	Point for the $100\frac{1}{2}$ mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 Navajo   100½ M 1964
72.15	Unimproved road, bears N. 69° W. and S. 76° E.
80.00	Point for the 101st mile cor.
,	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 Navajo   101 M 1964
	Land, nearly level. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass, cacti.
	South, along the 102nd mile.
	Over nearly level land.
40.00	Point for the $101\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 Navajo   101½ M 1964
50.90	Dim track road, bears S. 45° W. and N. 45° E.
80.00	Point for the 102nd mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882   Navajo   102 M   1964
	Cor. falls on gentle NE. slope.
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8	west Boundary, Hop1 Indian Reservation, Arizona
CHAI	
	Land, nearly level. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass and cacti.
	South, along the 103rd mile.
	Over nearly level land.
27.	Ridge, bears SW. and NE.
40.	Point for the $102\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882   Navajo   102½ M   1964
	Cor. falls on gentle SW. slope.
56.	Unimproved road, bears S. 10° E. and N. 10° W.
56.	Point selected as witness point on S. edge of well-traveled road.
	Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 10 ins. in the ground, cap mkd.
	Navajo   EO 1882   102½ M   +16.56 chs.   1964
80.0	Point for the 103rd mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882   Navajo   103 M   1964
	Land, nearly level. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass, cacti.
	South, along the 104th mile.
	Over nearly level land.
40.0	Point for the 103½ mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo $\begin{bmatrix} EO & 1882 \\ 103\frac{1}{2} & M \end{bmatrix}$
	1964
41.7	5 Small ridge, bears E. and W.

		West Boundary, Hopi Indian Reservation, Arizona 79
	<b>CHAINS</b> 76.38	Track road, bears S. 80° E. and N. 80° W.
•	80.00	Point for the 104th mile cor.
•	,	Set the post 22 ins. in the ground and in a collar of
		stone to top, cap mkd.
		Navajo   104 M 1964
		Cor. falls on gentle NE. slope.
		Land, nearly level. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass, and cacti.
		South, along the 105th mile.
		Over gently rolling land.
	40.00	Point for the $104\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882   Navajo   104½ M   1964
	78.45	Bladed road, bears S. 58°30' W. and N. 58°30' E.
	80.00	Point for the 105th mile cor.
		Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 8 ins. in the ground, cap mkd.
		EO 1882 Navajo   105 M 1964
		from which
		A windmill bears N. 55°22' E., 82.29 chs. dist.
		Land, gently rolling. Soil, sandy. No timber; undergrowth, yellow brush, blackbrush, cacti.
•.		South, along the 106th mile.
		Over gently rolling land.
-	27.85	Unimproved road, bears S. 40° E. and N. 40° W.
<del>-</del> .	40.00	Point for the 105½ mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
•		Navajo   EO 1882   105½ M   1964

CHAINS	
	from which
	The cor. of T27&28N, R12&13 E, secs. 1, 6, 31 and 36, bears N. 31°19' E., 22.82 chs. dist., monumented by a regulation G.L.O. iron post, 3 ins. diam., firmly set, mkd. and witnessed as described in the official record.
	Cor. falls on a gentle NW. slope.
80.00	Point for the 106th mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo   EO 1882 1964
	Land, gently rolling. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass, cacti.
	South, along the 107th mile.
	Over nearly level land.
28.20	Hogan, bears East, 125 links dist.
40.00	Point for the $106\frac{1}{2}$ mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo $egin{array}{c c} E0 & 1882 \\ 106 & \texttt{M} \\ 1964 \\ \end{array}$
52.10	Unimproved road, bears E. and W.
80.00	Point for the 107th mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo   EO 1882   107 M   1964
	Cor. falls on a gentle NW. slope.
	Land, nearly level. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass and yucca.
	South, along the 108th mile.
	Over nearly level land.
1.00	Small low rolling ridge, bears NE. and SW.
40.00	Point for the $107\frac{1}{2}$ mile cor.

	CHAINS	Set the post 24 ins. in the ground, cap mkd.
		Navajo   EO 1882 Navajo   107½ M 1964
•	80.00	Point for the 108th mile cor.
•		Set the post 24 ins. in the ground, cap mkd.
		Navajo   EO 1882 108 M 1964
		Land, nearly level. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass.
		South, along the 109th mile.
		Over nearly level land.
	10.30	Unimproved road, bears S. 45° E. and N. 45° W.
	40.00	Point for the $108\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo   EO 1882 108½ M 1964
		from which
		The sec. cor. of secs. 13, 18, 19 and 24, T27N, Rs12&13E, bears N. 31° E., 22.69 chs. dist., monumented by a regulation iron post, 3 ins. diam., firmly set, mkd. and witnessed as described in the official record.
	,	Cor. is on a gentle N. slope.
	80.00	Point for the 109th mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 Navajo   109 M 1964
		Corner falls on a gentle NW. slope.
		Land, nearly level. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass, and yucca.
		South, along the 110th mile.
		Over nearly level land.
1	37.60	Small ridge, bears S. 80° W. and N. 80° E.

West	Boundary,	Hopi	Indian	Reservation,	Arizona

		West Boundary, Hopi Indian Reservation, Arizona 8
	CHAINS	
	40.00	Point for the 109½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo   EO 1882   109½ M   1964
	80.00	Point for the 110th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo   EO 1882 110 M 1964
		Corner falls on a gentle NE. slope.
		Land, nearly level. Soil, sandy. No timber; undergrowth, yellow brush, bunch grass.
		South, along the lllth mile.
		Over gently rolling land.
	40.00	Point for the $110\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo   EO 1882 110½ M 1964
	45.50	Spur, slopes NE.
	48.60	Small draw, drains SW.
	60.50	Desc. steep broken south slope.
	80.00	Point for the 111th mile cor.
		Set the post 12 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base to top, cap mkd.
		Navajo   EO 1882   111 M   1964
		Corner falls at the base of steep W. slope.
		Land, rolling. Soil, sandy, clay. No timber; undergrowth, yellow brush, bunch grass, yucca.
		South, along the 112th mile.
		Over broken and ledgy clay hills.
	8.10	Barbed wire fence, across head of small canyon, bears E. and W.
i	14.00	Wash, 10 links wide, 2 ft. deep, drains SW.
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West	Boundary,	Hopi	Indian	Reservation,	Arizona	83

•		West Boundary, Hopi Indian Reservation, Arizona 8
	CHAINS	
	20.00	Crest of broken spur, slopes SW.
•	26.55	Draw, drains SW.
- T	40.00	Point for the $111\frac{1}{2}$ mile cor.
		Set the post 18 ins. in the ground, and in a collar of stone to top, cap mkd.
		EO 1882   Navajo   111½ M   1964
	50.55	Wash, 20 links wide, 2 ft. deep, drains SW.
	80.00	Point for the 112th mile cor.
		Set the post 16 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882   Navajo   112 M   1964
		from which
		A stock pond bears S. 87°23' E., 44.77 chs. dist.
		Land, broken and rolling. Soil, sandy, clay. No timber; undergrowth, yellow brush, bunch grass.
		South, along the 113th mile.
		Over rolling land.
	40.00	Point for the $112\frac{1}{2}$ mile cor.
		Set the post 18 ins. in the ground and in a collar of stone to top, cap mkd.
	·	Navajo   EO 1882 Navajo   112½ M 1964
		from which
		The cor. of secs. 1, 6, 7 and 12, T26N, R12&13E, monumented by a regulation G.L.O. iron post, 3 ins. diam., bears N. 30°23' E., 22.51 chs. dist., marked and witnessed as described in the official record.
-	80.00	Point for the 113th mile cor.
		Set the post 18 ins. in the ground and in a mound of stone, $2\frac{1}{2}$ ft. base to top, cap mkd.
		Navajo   EO 1882 Navajo   113 M 1964
		Cor. falls on gentle SW. slope.
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	_	west Boundary, Hopi Indian Reservation, Arizona 8
	CHAINS	
٠		Land, rolling. Soil, sandy, clay. No timber; undergrowth, yellow brush, bunch grass, sotol.
		South, along the 114th mile.
		Over rolling land.
	10.60	Wash, 180 links wide, 2 ft. deep, drains SE.
	18.70	Track road, bears S. 45° E. and N. 45° W.
	40.00	Point for the $113\frac{1}{2}$ mile cor.
		Set the post 18 ins. in the ground and in a mound of stone, 2 ft. base to top, cap mkd.
		EO 1882 Navajo   113½ M 1964
		Cor. falls on gentle SE. slope.
	57.10	Broken clay ridge, bears E. and W.
	76.90	Track road, bears S. 80° E. and W.
	80.00	Point for the 114th mile cor.
		Set the post 16 ins. in the ground and in a mound of stone to top, cap mkd.
		Navajo   EO 1882 114 M 1964
		Land, rolling. Soil, sandy clay. No timber; undergrowth, yellow brush, bunch grass.
		South, along the 115th mile.
		Over rolling land.
	6.25	Wash, 100 links wide, 1 ft. deep, drains SE.
	34.00	Unimproved road, bears S. 15° W. and N. 15° E.
	40.00	Point for the 114½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo   114½ M 1964
		from which
		The cor. of secs. 13, 18, 19 and 24, T26N, R12&13E, monumented by a regulation G.L.O. iron post, bears N. 29°56' E., 22.53 chs., dist., marked and witnessed as described in the official record.
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		West Boundary, Hopi Indian Reservation, Arizona 85.
	<b>CHAINS</b> 73.40	South rim of mesa, bears E. and W.; desc. 30 ft. over
•	,3.10	sandstone ledge.
•	80.00	Point for the 115 mile cor.
•		Set the post 24 ins. in the ground, cap mkd.
•	,	Navajo   EO 1882   115 M   1964
		Cor. falls on SW. slope.
		Land, rolling. Soil, sandy. No timber; undergrowth, yellow brush, black brush, bunch grass.
		South, along the 116th mile.
		Over gently rolling land.
	40.00	Point for the $115\frac{1}{2}$ mile cor.
		Set the post 18 ins. in the ground and in a collar of stone to top, cap mkd.
	·	Navajo   EO 1882   115½ M   1964
	66.80	Unimproved road, bears S. 15° E. and N. 15° W.
	80.00	Point for the 116th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo   EO 1882 Navajo   116 M 19 <b>6</b> 4
		Land, gently rolling. Soil, sandy. No timber; undergrowth, black sage, bunch grass, cacti.
		South, along the 117th mile.
-		Over nearly level land.
	40.00	Point for the $116^{1}_{2}$ mile cor.
· · ·		Set the post 18 ins. in the ground and in a collar of stone to top, cap mkd.
• .		Navajo   EO 1882 116½ M 1964
	77.40	Wash, 120 links wide, 2 ft. deep, drains SW.
	80.00	Point for the 117 mile cor.
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86 -		West Boundary, Hopi Indian Reservation, Arizona 86
	CHAINS	Set the post 24 ins. in the ground, cap mkd.
		Navajo   EO 1882 117 M 1964
		Land, nearly level. Soil, sandy. No timber; undergrowth, black brush, bunch grass.
		South, along the 118th mile.
		Over nearly level land.
	3.10	Wash, 120 links wide, 2 ft. deep, drains irregularly SW.
	31.30	Track road, bears S. 60° W. and N. 60° E.
	40.00	Point for the 117½ mile cor.
		Set the post 18 ins. in the ground and in a collar of stone to top, cap mkd.
		Navajo   EO 1882   117½ M   1964
		from which
		The cor. of secs. 1, 6, 31 and 36, Ts25&26N, Rs12&13E, bears N. 29°31' E., 22.58 chs. dist. monumented by a regulation iron post 3 ins. in diam., set, mkd. and witnessed as described in the official record.
	80.00	Point for the 118 mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo   EO 1882 118 M 1964
		Land, gently rolling. Soil, sandy. No timber; undergrowth, black brush, bunch grass.
		South, along the 119th mile.
		Over gently rolling land.
	24.15	,
	40.00	Crest of low ridge, bears SW. and NE.
	40.00	Point for the $118\frac{1}{2}$ mile cor.
		Set the post 16 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 Navajo   118½ M 1964
		Cor. falls on a gentle SE. slope.

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78.00	Dinnebito Wash, 100 links wide, 2 ft. deep, drains SW.
80.00	Point for the 119th mile cor.
	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo   EO 1882   119 M   1964
	Land, gently rolling. Soil, sandy. No timber; undergrowth, black brush, bunch grass, cacfi.
	South, along the 120th mile.
	Over gently rolling land.
8.40	Ditch (man-made) 100 links wide, 3 ft. deep, flows SW.
24.70	Barbed wire fence, bears N. 45°45' W. and S. 45°45' E. for 1.80 chs., thence bears S. 5°35' W.
36.82	Barbed wire fence, bears S. 5°35' W. and N. 5°35' E.
37.20	Dim track road, bears N. 5°35' E. and S. 5°35' W.
40.00	Point for the $119\frac{1}{2}$ mile cor.
	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo   EO 1882   119½ M   1964
80.00	Point for the 120th mile cor.
-	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo   EO 1882 Navajo   120 M 1964
	Cor. falls on gentle SW. slope.
	Land, gently rolling. Soil, sandy. Timber, widely scattered cottonwood trees. Undergrowth, black brush bunch grass, cacti.
	South, along the 121st mile.
	Over nearly level land.
10.33	Track road, bears S. 45° E. and N. 60° W.
40.00	Point for the 120½ mile cor.
	Set the post 18 ins. in the ground and in a collar of stone to top, cap mkd.
	Navajo   EO 1882   120½ M   1964

West Boundary, Hopi Indian Reservation, Arizona

88		West Boundary, Hopi Indian Reservation, Arizona
	CHAINS	from which
		The cor. of secs. 13, 18, 19 and 24, Ts25N, Rs12 and 13E, bears N. 29°49' E., 22.66 chs. dist., monumented by a regulation G.L.O. iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.
	54.50	Wash, 20 links wide, 2 ft. deep, drains SW.
	72.70	Track road, bears S. 70° E. and N. 70° W.
	80.00	Point for the 121st mile cor.
		Set the post in the center of a concrete cone, 30 ins. long, 18 ins. at the base, 6 ins. at the top, 12 ins. in the ground, with cap mkd.
		Navajo   EO 1882   121 M   1964
		Land, nearly level.
		Soil, sandy. No timber; undergrowth, bunch grass, cacti.
		South, along the 122nd mile.
		Over nearly level land.
	5.90	Track road, bears E. and W.
	40.00	Point for the 121½ mile cor.
		Set the post 18 ins. in the ground and in a collar of stone to top, cap mkd.
		Navajo   EO 1882   121½ M   1964
	40.85	Track road, bears S. 15° E. and N. 15° W.
	63.10	Track road, bears S. 30° W. and N. 30° E.
	76.50	Track road, bears E. and W.
	80.00	Point for the 122nd mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo   EO 1882   122 M   1964
		Land, nearly level. Soil, sandy. No timber; undergrowth, bunch grass, cacti.
		South, along the 123rd mile.
		Over nearly level land.
	40.00	Point for the 122½ mile cor.

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		West Boundary, Hopi Indian Reservation, Arizona 8
	CHAINS	
		Set the post 16 ins. in the ground and in a collar of stone to top, cap mkd.
•		Navajo   EO 1882 Navajo   122½ M 1964
		Cor. falls on gentle NE. slope.
*	41.08	Track road, bears S. 10° W. and N. 10° E.
	80.00	Point for the 123rd mile cor.
		Set the post 18 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882   Navajo   123 M   1964
		Cor. falls on W. slope of small knoll.
		Land, nearly level. Soil, sandy. No timber; undergrowth, blackbrush, yellow brush, cacti.
•		South, along the 124th mile.
		Over gently rolling land.
	40.00	Point for the $123\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		Navajo   EO 1882 Navajo   123½ M 1964
		Cor. falls on gentle NE. slope.
	67.64	Track road, bears S. 45° W. and N. 45° E.
	73.52	Track road, bears S. 45° E. and N. 45° W.
	80.00	Point for the 124th mile cor.
		Set the post 18 ins. in the ground and in a collar of stone to top, cap mkd.
		Navajo   EO 1882 124 M 1964
		Cor. falls on gentle E. slope.
		Land, gently rolling. Soil, sandy. No timber; undergrowth, black brush.
•		South, along the 125th mile.
٠		Over nearly level land.
	40.00	Point for the $124\frac{1}{2}$ mile cor.
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South	Boundary,	Hopi	Indian	Reservation,	Arizona
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	CHAINS		
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882	
		Navajo   124½ M 1964	-
	49.36	Intersect the SW. cor. of the Hopi Indian Reservation	
		hereinbefore described.	
		From the Southwest Corner of the Hopi Indian Reservation, hereinbefore described, along the 35°30'00" N. Latitude, and the S. Bdy. of the reservation.	
		East, along the 124th mile, beginning new measurement.	
		Over gently rolling land, no timber.	
	30.64	Point for the 125th mile cor.	
		Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.	
		EO 1882 125 M	
		Navajo 1964	
		Land, gently rolling. Soil, sandy.	
į		No timber; undergrowth, bunch grass, yucca, sotol.	
		East, along the 126th mile.	
		Over nearly level land.	
	40.00	Point for the $125\frac{1}{2}$ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 125½ M	
		Navajo 1964	
	80.00	Point for the 126 mile cor.	
	·	Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 126 M	
		Navajo 1964	
		Land, nearly level.	
		Soil, sandy. No timber; undergrowth, bunch grass, sage, yucca.	r
		East, along the 127th mile.	
		Over nearly level land.	
	40.00	Point for the $126\frac{1}{2}$ mile cor.	
1	1	Set the post 24 ins. in the ground, cap mkd.	

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South B	Soundary,	Hopi	Indian	Reservation,	Arizona
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	CHAINS		
			EO 1882 126 <sup>1</sup> <sub>2</sub> M
			Navajo 1964
	72.44	Unimproved road, bears	N. 70° E. and S. 70° W.
	80.00	Point for the 127th mil	e cor.
		Set the post 24 ins. in	the ground, cap mkd.
			EO 1882 127 M
			Navajo 1964
		Land, nearly level. Soil, sandy. No timber; undergrowth,	bunch grass shadscale, sage.
		East, along the 128th m	ile.
	:	Over nearly level land.	
	40.00	Point for the 127½ mile	cor.
		Set the post 24 ins. in	the ground, cap mkd.
			EO 1882 127½ M
			Navajo 1964
	80.00	Point for the 128th mil	e cor.
		Set the post 24 ins. in	the ground, cap mkd.
			EO 1882 128 M
			Navajo 1964
		Land, nearly level. Soil, sandy. No timber; undergrowth,	bunch grass, yucca, sage.
		East, along the 129th m	ile.
- 		Over nearly level land.	
	40.00	Point for the 128½ mile	
		Set the post 24 ins. in	the ground, cap mkd.
			EO 1882 128½ M
ļ			Navajo 1964
	•		

_		South Boundary, Hopi Indian Reservation, Arizona 92
	CHAINS	
	57.84	Unimproved road, bears N. 30° E. and S. 30° W.
	78.08	Unimproved road, bears N. 70° E. and S. 70° W.
	80.00	Point for the 129th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 129 M
		Navajo 1964
		Land, nearly level. Soil, sandy. No timber; undergrowth, bunch grass, sage, yucca, sotol.
		East, along the 130th mile.
		Over nearly level land.
	7.48	Unimproved road, bears N. 45° W. and S. 45° E.
	7.64	Point selected as witness point on S. edge of well-traveled road.
		Set the post in the center of a concrete cone, 30 ins. long, 18 ins. at the base, 6 ins. at the top, 10 ins. in the ground, cap mkd.
		EO 1882 129 M + 7.64 chs.
		Navajo 1964
	40.00	Point for the $129\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 129½ M
		Navajo 1964
	40.10	Track road, bears N. and S.
	51.80	Enter low rolling clay hills.
	77.10	Track road, bears N. 10° W. and S. 10° E.
	80.00	Point for the 130th mile cor.
		Set the post 24 ins. in the ground, cap mkd
		EO 1882 130 M
		Navajo 1964
		Land, nearly level. Soil, sandy. No timber; undergrowth, sotol, century plant, yucca.

CHAINS	
	East, along the 131st mile.
	Over low rolling clay mounds.
19.15	Track road, bears N. and S.
23.12	Track road, bears S. 20° W. and N. 20° E.
40.00	Point for the $130\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 130½ M
	Navajo 1964
	from which
	A wooden shack bears N. 84°49' W., 20.14 chs. dist.
49.06	Track road, bears N. 20° E. and S. 20° W.
80.00	Point for the 131st mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 131 M
	Navajo 1964
	Land, nearly level. Soil, clay. No timber; undergrowth, creosote bush, cacti.
	East, along the 132nd mile.
	Over level land.
4.32	Graded road, bears S. 54° W. and N. 52° E.
4.70	Point selected as witness point at E. edge of well-traveled road.
	Set the post in the center of a concrete cone, 30 ins. long, 18 ins. at the base, 6 ins. at the top, 8 ins. in the ground, cap mkd.
	EO 1882 131 M + 4.70 chs.
	Navajo 1964
40.00	Point for the 131½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 131½ M
1	Navajo
	23.12 40.00 49.06 80.00

_		30dth Boundary, Hopf Indian Reservation, Arizona 92
	<b>CHAINS</b> 77.44	Track road, bears N. 70° E. and S. 70° W.
	80.00	Point for the 132nd mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 132 M
		Navajo 1964
		Land, level. Soil, clay. No timber; undergrowth, creosote bush, barrel cactus.
		East, along the 133rd mile.
		Over level land.
	37.35	Earth dyke, bears N. 68°30' E. and S. 68°30' W.
	40.00	Point for the 132½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 132½ M
	:	Navajo 1964
	45.46	Track road, bears N. 20° E. and S.
	80.00	Point for the 133rd mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 133 M
		Navajo 1964
		Land, level. Soil, clay. No timber; undergrowth, sage, shadscale, creosote bush.
		East, along the 134th mile.
		Over level land.
	14.72	Track road, bears N. 30° E. and S. 10° W.
	40.00	Point for the 133½ mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 133½ M
		Navajo 1964

# South Boundary, Hopi Indian Reservation, Arizona

		95.
	CHAINS 80.00	Point for the 134th mile cor.
		Set the post 22 ins. in the ground, and in a collar of stone to top, cap mkd.
-		EO 1882 134 M Navajo
		1964
	,	from which
		The standard cor. of secs. 33 and 34, T25N,R14E, bears N. 10°28' W., 110.80 chs. dist., firmly set, properly mkd., as described in the official record.
		Land, level. Soil, clay.
		No timber; undergrowth, creosote bush, cacti.
		East, along the 135th mile.
	, ,	Over nearly level land.
	26.05	Shallow wash, drains SW.
	40.00	Point for the $134\frac{1}{2}$ mile cor.
	• • • • • • • • • • • • • • • • • • •	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	*	EO 1882 134½ M Navajo
	1 1	1964
	72.00	Unimproved road, bears NW. and SE.
	80.00	Point for the 135th mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 135 M Navajo
		1964
	. * *	Land, level. Soil, clay. No timber; undergrowth, creosote bush and cacti.
		East, along the 136th mile.
		Over level land.
•	7.90	Dry wash, 50 links wide, drains SE.
	35.73	Unimproved road, bears SW. and NE.
	40.00	Point for the 135½ mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 135½ M
		Navajo 1964
	42.90	Oraibi Wash, 40 links wide, drains SW.
-	53.02	Unimproved road, bears N. and S.
	1	1 I

80.00 Point for the 136th mile cor.

	96.
CHAINS	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 136 M Navajo 1964
	from which
	United States Geological Survey bench mark RESERVOIR bears N. 59°29' W., 29.72 chs. dist.
	Land, level. Soil, clay. No timber; undergrowth, shadscale, sage brush, yucca.
	East, along the 137th mile.
	Over level land.
8,42	Unimproved road, bears NE. and SW.
18.81	Intersect the line between secs. 7 and 12, T2NN, Rs14 and 15E, 29.03 chs. South of the cor. of secs. 1, 6, 7 and 12.
	Note: The south boundary of the reservation hereafter passes through Ts. 24 N., Rs. 15 to 21 E. No corners of those townships immediate to the boundary were recovered. Reported intersections with township and section lines have been developed by calculations based upon connections to recovered remote corners as particularly noted.
40.00	Point for the $136\frac{1}{2}$ mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
1. 1	EO 1882 136½ M Navajo 1964
	from which
	The standard $\frac{1}{4}$ sec. cor. on the S. bdy. of sec. 36, T25N, R14E, bears N. 10°18' W., 110.41 chs. dist., monumented by a G.L.O. iron post, set and mkd. as described in the official record.
80.00	Point for the 137th mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 137 M Navajo 1964
	Land, nearly level. Soil, sandy. No timber; undergrowth, bunch grass, sage, shadscale.
	East, along the 138th mile.
	Over level land.
5.17	Unimproved road, bears N. 40° E. and S. 40° W.

South Boundary, Hopi Indian Reservation, Arizona

	9:
CHAINS	
22.28	Intersect the line between secs. 7 and 8, T24N, R15E, 28.31 chs. South of the cor. of secs. 5, 6, 7 and 8.
40.00	Point for the $137\frac{L}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882
	137½ M
	Navajo 1964
62.00	Wash, 20 links wide, 3 ft. deep, drains S.
80.00	Point for the 138th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882
	138 M
	Navajo 1964
	Land, level.
	Soil, sandy. No timber; undergrowth, creosote bush, yucca, sage.
	East, along the 139th mile.
,	Over level land.
21.70	Polacca Wash, 30 links wide, 3 ft. deep, drains SW.
22.16	Intersect the line bet. secs. 8 and 9, T24N, R15E, 27.46 chs. South of the cor. of secs. 4, 5, 8 and 9.
28.84	Barbed wire fence, bears N. and S., encloses cultivated field.
40.00	Point for the $138\frac{1}{2}$ mile cor.
	Set the post 22 ins. in the ground, cap mkd.
	EO 1882
	138½ M
	Navajo 1964
52.96	Barbed wire fence, bears N. and SE.; leave field.
57.56	Approximate point for the Coconino and Navajo County Line, 111°45'00" West Longitude, not monumented.
80.00	Point for the 139th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882
	139 M
	Navajo 1964
	Land, level.
	Soil, sandy.
	No timber; undergrowth, tumbleweeds, shadscale, yucca.
	East, along the 140th mile.
	Over level land.
	Over rever rand.

98		South Boundary, Hopi Indian Reservation, Arizona 98
	CHAINS 22.17	Intersect the line bet. secs. 9 and 10, T24N, R15E, 27.57 chs. South of the cor. of secs. 3, 4, 9 and 10.
	40.00	Point for the $139\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882
		139½ M Navajo
		1964
	80.00	Point for the 140th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 140 M
		Navajo
		1964
		Land, level. Soil, sand and soft shale. No timber; undergrowth, tumbleweeds, yucca.
		East, along the 141st mile.
	·	Over level land.
	22.63	Intersect the line bet. secs. 10 and 11, T24N, R15E, 26.89 chs. South of the cor. of secs. 2, 3, 10 and 11.
	40.00	Point for the $140\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882
		$\frac{140\frac{1}{2} \text{ M}}{\text{Navajo}}$
		1964
	54.11	Track road, bears N. 45° E. and S. 45° W.
	80.00	Point for the 141st mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 141 M
		Navajo
		1964
		Land, nearly level. Soil, sandy.
		No timber; undergrowth, sage, bunch grass, tumbleweed.
		East, along the 142nd mile.
		Over nearly level land.
	22.71	Intersect the line bet. secs. 11 and 12, T24N, R15E, 26.56 chs. South of the cor. of secs. 1, 2, 11 and 12.
	28.70	Track road, bears S. 20° E. and N. 20° W.
	33.95	Track road, bears NE. and SW.
	40.00	Point for the 141½ mile cor.

	CHAINE		99.
	CHAINS	Set the post 24 ins. in the ground, cap mkd.	
		EO 1882	
		141½ M	
		Navajo 1964	
	80.00	Point for the 142nd mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 142 M	
		Navajo 1964	
		Land, nearly level.	
		Soil, sandy.	
		No timber; undergrowth, yucca, sage, bunch grass.	
		East, along the 143rd mile.	
Ì		Over gently rolling land.	
	23.04	Intersect the line bet. secs. 7 and 12, T24N, Rs15 and 16E, 26.27 chs. South of the cor. of secs. 1, 6, 7 and 12.	
	40.00	Point for the $142\frac{1}{2}$ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 142½ M	
		Navajo 1964	
	78.30	Crest of low spur, slopes SW.	
	80.00	Point for the 143rd mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882	
		143 M	
		Navajo 1964	
		from which	
		The Standard Cor. of Ts25N, Rs15&16E, bears N. 9°20' W., 109.71 chs. dist., a stone, firmly set, properly mkd., as described in the official record.	
		Land, gently rolling. Soil, sandy. No timber; undergrowth, sage, yucca and bunch grass.	
		East, along the 144th mile.  Over rolling land.	
	20.90	Track road, bears NE. and SW.	
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100		South Boundary, Hopi Indian Reservation, Arizona 100.
	CHAINS 23.34	Intersect the line bet. secs. 7 and 8, T24N, R16E, 26.38 chs. South of the cor. of secs. 5, 6, 7 and 8.
	40.00	Point for the $143\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 143½ M
		Navajo 1964
	80.00	Point for the 144th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 144 M
		Navajo 1964
		Land, rolling. Soil, sandy. No timber; undergrowth, sage, yucca and bunch grass.
		East, along the 145th mile.
		Over gently rolling land.
	23.02	Intersect the line bet. secs. 8 and 9, T24N, R16E, 26.29 chs. South of the cor. of secs. 4, 5, 8 and 9.
	40.00	Point for the 144½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 144½ M
		Navajo 1964
	80.00	Point for the 145th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 145 M
		Navajo 1964
		Land, gently rolling. Soil, sandy. No timber; undergrowth, bunch grass, yucca and prickly pear.
		East, along the 146th mile.
		Over gently rolling land.
	21.23	Dim track road, bears SE. and NW.
	22.76	Intersect the line bet. secs. 9 and 10, T24N, R16E, 26.20 chs. South of the cor. of secs. 3, 4, 9 and 10.
	40.00	Point for the 145½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.

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`	CHAINS	EO 1882
•		145½ M Navajo
•	,	1964
· .	41.80	Unimproved road; bears N. 20° E. and S. 40° W.
•%	80.00	Point for the 146th mile cor.
3		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 146 M
		Navajo 1964
		Land, gently rolling. Soil, sandy. No timber; undergrowth, sage, bunch grass and yucca.
		East, along the 147th mile.
		Over gently rolling land.
	18.21	Track road, bears N. 70° E. and S. 60° W.
•	22.32	Intersect the line bet. secs. 10 and 11, T24N, R16E, 26.19 chs. South of the cor. of secs. 2, 3, 10 and 11.
	40.00	Point for the $146\frac{1}{2}$ mile cor.
	·	Set the post 24 ins. in the ground, cap mkd.
		EO 1882 146½ M
		Navajo 1964
	80.00	Point for the 147th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882
		Land, gently rolling. Soil, sandy. No timber; undergrowth, sage, bunch grass and yucca.
		East, along the 148th mile.
•		Over gently rolling land.
	22.31	Intersect the line bet. secs. 11 and 12, T24N, R16E, 26.37 chs. South of the cor. of secs. 1, 2, 11 and 12.
•	40.00	Point for the 147½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 147½ M
		Navajo • 1964
	49.90	Track road, bears NW. and SE.

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102		South Boundary, Hopi Indian Reservation, Arizona
	<b>CHAINS</b> 79.60	Track road, bears N. and S.
	80.00	Point for the 148th mile cor.
		Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 10 ins. in the ground, cap mkd.
		EO 1882 148 M
		Navajo 1964
		Land, level. Soil, sandy. Timber, none; undergrowth, sagebrush, mormon tea.
		East, along the 149th mile.
		Over nearly level land, no timber.
	3.00	Right bank of Jeddito Wash, 2 ft. high, bears S. 15° W.
	12.00	Track road, bears N. 30° E. and S. 30° W.
	22.56	Intersect the line bet. secs. 7 and 12, T24N, Rs16 and 17E, 26.47 chs. South of the cor. of secs. 1, 6, 7 and 12
	40.00	Point for the 148½ mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 148½ M Navajo 1964
	80.00	Point for the 149th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882
		149 M
		Navajo 1964
		Land, level wash bottom. Soil, sandy. Timber, none; undergrowth, shadscale, bunch grass, yucca.
		Hart along the 150th will.
		East, along the 150th mile.  Over level land, through sparse vegetation.
	9.00	Left bank of Jeddito Wash, bears N. 20° E. and S. 20° W.
	19.62	Intersect the line bet. secs. 7 and 8, T24N, R17E, 26.16 chs. South of the cor. of secs. 5, 6, 7 and 8.
	40.00	Point for the $149\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 149½ M
		Navajo

Navajo 1964

=	CHAINS	
	80.00	Point for the 150th mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882
		Navajo
		1964
		Land, nearly level. Soil, sandy. Timber, none; undergrowth, shadscale, bunch grass.
		East, along the 151st mile.
	, V	Asc. gentle W. slope of hill.
	20.02	Intersect the line bet. secs. 8 and 9, T24N, R17E, 25.83 chs. South of the cor. of secs. 4, 5, 8 and 9.
	40.00	Point for the $150\frac{1}{2}$ mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882
		150½ M
		Navajo 1964
	80.00	Point for the 151st mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 151 M
	-	Navajo
		1964
		Land, nearly level.
		Soil, sandy. Timber, none; undergrowth, shadscale, cacti, and
		bunch grass.
	•	East, along the 152nd mile.
•	5.00	Crest of low ridge, slopes N. 30° W.; desc. gentle E. slope.
	20.65	Intersect the line bet. secs. 9 and 10, T24N, R17E, 25.90 chs. South of the cor. of secs. 3, 4, 9 and 10.
	40.00	Point for the $151\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882
		151½ M
		Navajo 1964
	43.60	Track road, bears N. and S.
	50.80	Track road, bears irregularly N. and S.
	80.00	Point for the 152nd mile cor.

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		South Boundary, nopr indian Reservation, Arrizona	104.
	CHAINS	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.	
		EO 1882	·
		152 M	-
		Navajo 1964	
	·	Land, gently rolling. Soil, sandy. Timber, none; undergrowth, shadscale, cacti and bunch grass.	_
		East, along the 153rd mile.	!
	8.80	Wash, 220 links wide, 3 ft. deep, drains N. 55° W. toward Jeddito Wash.	
į	20.18	Intersect the line bet. secs. 10 and 11, T24N, R17E, 25.57 chs. South of the cor. of secs. 2, 3, 10 and 11.	
	40.00	Point for the 152½ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 152½ M	
		Navajo	}
		1964	
	53.40	Small wash, drains S.	
	55.00	Track road, bears S. and irregularly NE.	
	80.00	Point for the 153rd mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	**
		EO 1882 153 M Navajo 1964	
		Land, gently rolling. Soil, sandy. Timber, none; undergrowth, sagebrush, bunch grass.	_
		East, along the 154th mile.	
	3.50	Small wash, drains S. 30° E.	
	13.50	Bladed road, bears SW. and NE.	
	25.59	Intersect the line bet. secs. 11 and 12, T24N, R17E, 25.62 chs. South of the cor. of secs. 1, 2, 11 and 12.	
	40.00	Point for the $153\frac{1}{2}$ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	•
		EO 1882	
		153½ M Navajo	
		1964	
	71.90	Track road, bears N. and S.	
	80.00	Point for the 154th mile cor.	

CHAINS	Set the post 22 ins. in the ground and in a mound of stone to top, cap mkd.
	EO 1882 154 M
	Navajo 1964
	Land, gently rolling. Soil, sandy. Timber, none; undergrowth, sagebrush and bunch grass.
	East, along the 155th mile.
	Over nearly level land, through sparse vegetation.
16.21	Intersect the line bet. secs. 7 and 12, T24N, Rs17 and 18E, 23.05 chs. S. 0°05' W. of the cor. of secs. 1, 6, 7 and 12.
40.00	Point for the 154½ mile cot.
	Set the post 22 ins. in the ground and in a mound of stone to top, cap mkd.
	EO 1882 154½ M
	Navajo 1964
	from which
	The Standard Corner for Ts25N, Rs17&18E, bears N. 12°07' E., 108.16 chs. dist., monumented by an iron post, firmly set, properly marked and witnessed as in the official record.
- 59.80	Wash, 80 links wide, 4 ft. deep, drains irregularly SW.
80.00	Point for the 155th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 155 M
	Navajo 1964
	Land, nearly level. Soil, sandy. Timber, none; undergrowth, sagebrush, tumbleweed.
	East, along the 156th mile.
	Over nearly level land, no timber.
19.83	Intersect the line bet. secs. 7 and 8, T24N, R18E, 23.76 chs. S. 0°15' W. of the cor. of secs. 5, 6, 7 and 8.
31.80	S. edge of small pond bears N. 30 links dist.
40.00	Point for the 155½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 155½ M
	Navajo 1964

South Boundary, Hopi Indian Reservation, Arizona

100			100
	CHAINS		
	49.90	Center of graded road, bears N. 70° W. and S. 70° E.; enter onto grounds of Seba Dalkai Boarding School. This is a grade school for Navajo Indian children of the immediate area.	
	57.43	West wall of the administration building.	
	64.10	NE. wall of the SE. wing of the main classroom building.	
	67.80	Bladed road, bears N. and S.	
	71.10	Water tower, bears S. 234 links dist.	
	75.50	Track road, bears N. and irregularly W.	
	80.00	Point for the 156th mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 156 M Navajo 1964	
		Land, level. Soil, sandy. Timber, none; undergrowth, sagebrush, tumbleweed.	_
		East, along the 157th mile.	
		Over nearly level land.	
	19.83	Intersect the line bet. secs. 8 and 9, T24N, R18E, 22.78 chs. S. 0°02' E. of the cor. of secs. 4, 5, 8 and 9.	
	40.00	Point for the $156\frac{1}{2}$ mile cor.	
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.	
		EO 1882 156½ M	
		Navajo 1964	
	41.54	Point selected as a witness point at the intersection of the boundary line with a well-traveled road.	
	-	Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 12 ins. in the ground, cap mkd.	
×		EO 1882 156½ M + 1.54 Navajo 1964	
	43.11	Center of paved road, bears N. $16\frac{1}{2}^{\circ}$ W. toward Second Mesa and S. $16\frac{1}{2}^{\circ}$ E. toward Winslow, Arizona.	
	78 <b>.1</b> 5	Track road, bears NW. and SE.	
	80.00	Point for the 157th mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
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	CHAINS	EO 1882 157 M
	·	Navajo 1964
		Land, nearly level. Soil, sandy. Timber, none; undergrowth, sagebrush, tumbleweed.
		East, along the 158th mile.
	20.47	Intersect the line bet. secs. 9 and 10, T24N, R18E, 22.08 chs. South of the cor. of secs. 3, 4, 9 and 10.
	36.65	Track road, bears irregularly NW. and SE.
	40.00	Point for the $157\frac{1}{2}$ mile cor.
.		Set the post 22 ins. in the ground and in a small collar of stone to top, cap mkd.
	·	EO 1882 157½ M Navajo 1964
	42.65	Track road, bears N. and S. $20^{\circ}$ E.
	75.30	Track road, bears NW. and SE.
	80.00	Point for the 158th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
~	-	EO 1882 158 M Navajo 1964
		Land, nearly level. Soil, sandy. Timber, none; undergrowth, bunch grass, mormon tea.
		East, along the 159th mile.
	11.90	NW. cor. of Tees To Trading Post bears S., 2.23 chs. distant.
	15.20	Windmill bears S., 270 links dist.
	19.11	Intersect the line bet. secs. 10 and 11, T24N, R18E, 22.39 chs. S. 0°03' E. of the cor. of secs. 2, 3, 10 and 11.
	19.25	Wash, 200 links wide, 3 ft. deep, drains irregularly NW. toward Jeddito Wash.
	24.30	Track road, bears irregularly E. and W.
	40.00	Point for the $158\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 158½ M Navajo 1964

South	Boundary,	Hopi	Indian	Reservation,	Arizona
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108		10 south boundary, most indian Reservation, Arizona
	CHAINS	from which
		The Standard Corner for the ½ sec. cor. of sec. 34, T25N, R18E, bears N. 9°25' W., 106.51 chs. dist., monumented by an iron post firmly set, properly marked and witnessed as described in the official record.
	80.00	Point for the 159th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 159M
		Navajo 1964
		Land, nearly level. Soil, sandy. Timber, none; undergrowth, bunch grass, sage brush.
		East, along the 160th mile.
		Over nearly level land, no timber.
	19.14	Intersect the line bet. secs. 11 and 12, T24N, R18E, 23.01 chs. South of the cor. of secs. 1, 2, 11 and 12.
	40.00	Point for the 159½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
	v	EO 1882 159½ M
		Navajo 1964
	43.55	Track road, bears N. and S.
	80.00	Point for the 160th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 160 M
		Navajo 1964
		Land, nearly level. Soil, sandy.
		Timber, none; undergrowth, sagebrush, bunch grass and yucca.
		East, along the 161st mile.
	18.53	Intersect the line bet. secs. 7 and 12, T24N, Rs18 and 19E, 23.39 chs. S. 0°05' E. of the cor. of secs. 1, 6, 7 and 12.
	28.00	Wash, 20 links wide, 3 ft. deep, drains SW.
	40.00	Point for the $160\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 160½ M
		Navajo
		1964

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	<b>CHAINS</b> 77.20	Track road, bears N. and S.	
	80.00	Point for the 161st mile cor.	
	00.00	Set the post 22 ins. in the ground and in a collar	
		of stone to top, cap mkd.	
		EO 1882 161 M	
		Navajo 1964	
		Land, nearly level.	
		Soil, sandy. Timber, none; undergrowth, sagebrush, yucca, mormon tea.	
		East, along the 162nd mile.	
	17.32	Intersect the line between secs. 7 and 8, T24N, R19E, 21.62 chs. South of the cor. of secs. 5, 6, 7 and 8.	
	29.00	Track road, bears NW. and SE.	
	35.30	Asc. W. slope of mesa.	
,	40.00	Point for the $161\frac{1}{2}$ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882	
		$\frac{161\frac{1}{2} \text{ M}}{\text{Navajo}}$	
		1964	
	61.00	W. rim of mesa; over gently rolling land.	
	80.00	Point for the 162nd mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 162 M	
		Navajo	
		1964	
		Cor. falls on gentle E. slope of hill.	
		Land, rolling. Soil, rocky and sandy. Timber, scattered cedar; undergrowth, sagebrush, cacti.	
1		East, along the 163rd mile.	
		Over rolling land.	
	5.10	Wash, 10 links wide, 1 ft. deep, drains S. 20° W.	
	15.45	Wash, 5 links wide, 3 ft. deep, drains irregularly NW.	
	17.27	Intersect the line bet. secs. 8 and 9, T24N, R19E, 22.94 chs. South of the cor. of secs. 4, 5, 8 and 9.	
	40.00	Point for the $162\frac{1}{2}$ mile cor.	
		Set the post 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.	
		EO 1882 162½ M	
		Navajo 1964	

1964

		South	Boundary,	Hopi	Indian	Reservation,	Arizona
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110		South Boundary, Hopi Indian Reservation, Arizona 110
CHAINS		Cor. falls on gentle SW. slope.
	80.00	Point for the 163rd mile cor.
		Set the post 4 ins. in the ground to bedrock and in
		a mound of stone, 3 ft. base to top, cap mkd.
		EO 1882 163 M
		Navajo
		1964
		Cor. falls on SE. slope of Ha Whi Mesa.
		Land, rolling and broken. Soil, rocky. Timber, scattered cedar; undergrowth, sage brush, cacti.
		East, along the 164th mile.
		Over broken terrain, sloping to SE.
	10.25	E. rim of Ha Whi Mesa, bears N. and S.; desc. E. slope.
	17.15	Intersect the line bet. secs. 9 and 10, T24N, R19E, 22.66 chs. South of the cor. of secs. 3, 4, 9 and 10.
	33.80	Over nearly level land, through scattered timber.
	40.00	Point for the $163\frac{1}{2}$ mile cor.
		Set the post 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.
		EO 1882 163½ M
		Navajo 1964
	65.40	Track road, bears N. and S.
	69.00	Hogan bears N., 80 links dist.
	74.90	Wash, 20 links wide, 3 ft. deep, drains S.
	80.00	Point for the 164th mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882
		164 M Navajo 1964
		from which
		A cedar, 12 ins. diam., bears S. 33° E., 45 links dist., mkd. 164 M BT
		Land, nearly level.
		Soil, sandy. Timber, none; undergrowth, sage brush, bunch grass.
		East, along the 165th mile.
		Over nearly level land, through sparse vegetation.
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South Boundary, Hopi Indian Reservation, Arizona

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CHAINS	v. 1. 20 1: 1- wide 2 ft door draing C	
1.15	Wash, 20 links wide, 2 ft. deep, drains S.	
12.70	Wash, 10 links wide, 3 ft. deep, drains S.	
15.57	Intersect the line bet. secs. 10 and 11, T24N, R19E, 22.48 chs. South of the cor. of secs. 2, 3, 10 and 11.	
40.00	Point for the $164\frac{1}{2}$ mile cor.	
	Set the post 24 ins. in the ground, cap mkd.	
	EO 1882 164 <mark>2</mark> M	
	Navajo 1964	
	from which	
	A cedar, 12 ins. diam., bears N. 33° E., 34 links dist., mkd. $164\frac{1}{2}$ M BT	
40.50	Wash, 30 links wide, 3 ft. deep, drains SW.	
56.20	Low spur, slopes N.; desc. gentle NE. slope.	
77.30	Wash, 20 links wide, 2 ft. deep, drains NW.	,
80.00	Point for the 165th mile cor.	
	Set the post 10 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, cap mkd.	
	EO 1882 165 M	
	Navajo 1964	
	from which	
	A cedar, 10 ins. diam., bears N. 20° E., 51 links dist., mkd. 165 M BT	
	A cedar, 18 ins. diam., bears S. 86½° E., 66 links dist., mkd. EO 1882 165 M BT	
	Land, nearly level.	Ì
	Soil, sandy. Timber, cedar; undergrowth, sage brush, shadscale.	_
	East, along the 166th mile.	
	Over gently rolling land, through scattered timber.	
17.96	Intersect the line bet. secs. 11 and 12, T24N, R19E, 21.97 chs. South of the cor. of secs. 1, 2, 11 and 12.	
40.00	Point for the $165\frac{1}{2}$ mile cor.	
	Set the post 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.	
	EO 1882 165½ M	
	Navajo 1964	•
40.00	Leave timbered area.	
48.00	nease cimpered area.	

	South Boundary, Hopi Indian Reservation, Arizona
CHAINS	
68.20	Track road, bears SE. and NW.
80.00	Point for the 166th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 166 M
	Navajo 1964
	Land, nearly level. Soil, sandy and rocky. Timber, scattered cedar; undergrowth, sage brush, cacti.
	East, along the 167th mile.
10.62	Intersect the line bet. secs. 7 and 12, T24N, Rs19 and 20E, 23.99 chs. South of the cor. of secs. 1, 6, 7 and 12.
40.00	Point for the $166\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 166½ M
	Navajo 1964
42.10	Track road, bears NW. and SE.
44.55	Track road, bears N. and S.
77.80	Track road, bears NE. and SW.
80.00	Point for the 167th mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	TO 1882 167 M Navajo 1964
	Land, nearly level. Soil, sandy. Timber, none; undergrowth, sage brush, shadscale.
	East, along the 168th mile.
	Over nearly level land, through sparse undergrowth.
2.55	Track road, bears NE. and SW.
15.80	Intersect the line bet. secs. 7 and 8, T24N, R20E, 21.87 chs. S. 0°05' E. of the cor. of secs. 5, 6, 7 and 8.
40.00	Point for the $167\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 167½ M Navajo 1964
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		113.
	CHAINS	
	52.50	Barbed wire fence, bears N. 65° W. and S. 65° E.
	80.00	Point for the 168th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 168 M
	,	Navajo
		1964
		Land, nearly level. Soil, gravelly and sandy. Timber, none; undergrowth, sage brush, mormon tea.
	·	East, along the 169th mile.
	11.38	Intersect the line bet. secs. 8 and 9, T24N, R20E, 24.01 chs. South of the cor. of secs. 4, 5, 8 and 9.
	29.90	Track road, bears N. 70° E. and S. 70° W.
	40.00	Point for the $168\frac{1}{2}$ mile cor.
	·	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 168½ M
		Navajo
		1964
	43.10	Wash, 30 links wide, 2 ft. deep, drains irregularly S.
	80.00	Point for the 169th mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882
		Navajo
٠		1964
	-	from which
•		The Standard Corner for secs. 32 and 33, T25N, R20E, bears N. 11°24' W., 103.57 chains dist., monumented by an iron post firmly set, properly marked and witnessed as described in the official record.
•		U.S. Coast and Geodetic triangulation station HA WHI bears N. 21°05' W., 71.20 chains dist., monumented by a standard disc set in top of a 10-inch square concrete monument which projects about 4 inches above the ground.
		Land, nearly level. Soil, gravelly, sandy. Timber, none; undergrowth, sagebrush, mormon tea.
		East, along the 170th mile.
		Over gently rolling land, through scattered timber.

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South	Boundary.	Hopi	Indian	Reservation	Arizona

	South Boundary, Hopi Indian Reservation, Arizona
 CHAINS	114.
11.30	Intersect the line bet. secs. 9 and 10, T24N, R20E, 23.98 chs. S. 0°04' E. of the cor. of secs. 3, 4, 9 and 10.
20.00	Track road, bears irregularly N. and S.
22.50	Asc. gentle W. slope.
34.00	Low ridge, bears N. and S.; desc. gentle SE. slope.
40.00	Point for the 169½ mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 169½ M Navajo 1964
54.55	Track road, bears NW. and SE.
58.50	Wash, 5 links wide, 3 ft. deep, drains S.
79.60	Small wash, drains S.
80.00	Point for the 170th mile cor.
	Set the post 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.
	EO 1882 170 M Navajo 1964
	from which
	A cedar, 8 ins. diam., bears S. 27½° E., 43 links dist., mkd. 170 M BT
	Land, gently rolling. Soil, gravelly, rocky. Timber, scattered cedar; undergrowth, sagebrush.
	East, along the 171st mile.
14.60	Track road, bears irregularly N. and S.
14.95	Intersect the line bet. secs. 10 and 11, T24N, R20E, 23.68 chs. South of the cor. of secs. 2, 3, 10 and 11.
33.80	Track road, bears NW. and SE.
40.00	Point for the 170½ mile cor.
	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 170½ M
	Navajo 1964
	from which
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		L L.	<i>)</i> .
	CHAINS	A cedar, 10 ins. diam., bears N. 5° E., 64 links dist., mkd. 170½ M BT	
		A cedar, 14 ins. diam., bears S. 42½° E., 45 links dist., mkd. 170½ M BT	
	70.90	Low ridge, bears N. and S.; desc. SE. slope.	
	80.00	Point for the 171st mile cor.	
		Set the post 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.	
		EO 1882	
		171 M Navajo	
		1964	
		Land, gently rolling. Soil, gravelly, rocky.	
		Timber, scattered pinon pine, cedar.	
	:	Undergrowth, sage brush, mormon tea.	
		East, along the 172nd mile.	
		Continue over gently rolling land.	
	14.72	Intersect the line bet. secs. 11 and 12, T24N, R20E, 22.13 chs. S. 0°04' E. of the cor. of secs. 1, 2, 11 and 12.	
	32.85	Track road, bears NW. and SE.	
	39.00	Track road, bears N. and S.	
	40.00	Point for the $171\frac{1}{2}$ mile cor.	
		Set the post on solid rock, over an X, and in a mound of stone, 3 ft. base to top, cap mkd.	
		EO 1882	
		171½ M Navajo	
		1964	
	,	from which	
		A cedar, 16 ins. diam., bears N. 72½° W., 86 links dist., mkd. 171½ M BT	
		Only bearing tree available.	
	54.05	Wash, 20 links wide, 2 ft. deep, drains irregularly SE.; asc. gentle E. slope of spur.	
•	56.90	Low spur, slopes S.; desc. gentle SE. slope.	
	80.00	Point for the 172nd mile cor.	
		Set the post 10 ins. in the ground to bedrock and in a mound of stone, 2½ ft. base to top, cap mkd.	
		EO 1882 172 M	
		Navajo	
		1964	

South Boundar	y, Hopi	Indian	Reservation,	Arizona
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		South Boundary, Hopi Indian Reservation, Arizona
	CHAINS	Land, gently rolling. Soil, rocky. Timber, scattered cedar, pinon. Undergrowth, sagebrush, cacti.
		East, along the 173rd mile.
	3.28	Intersect the line bet. secs. 7 and 12, T24N, Rs20 and 21E, 19.50 chs. S. 0°24' W. of the cor. of secs. 1, 6, 7 and 12.
	14.20	Wash, 15 links wide, 1 ft. deep, drains S.
	16.20	Crest of spur, slopes S.
	32.65	Wash, 30 links wide, 3 ft. deep, drains S. 80° E.
	40.00	Point for the 172½ mile cor.
		Set the post 10 ins. in the ground to bedrock and in a mound of stone, $2\frac{1}{2}$ ft. base to top, cap mkd.
		EO 1882 172½ M Navajo 1964
	59.05	Wash, 10 links wide, 4 ft. deep, drains N.
	73.50	Track road, bears NE. and SW.
	77.36	Intersect the line bet. secs. 7 and 8, T24N, R21E, 19.32 chs. South of the cor. of secs. 5, 6, 7 and 8.
	80.00	Point for the 173rd mile cor.
		Set the post 24 ins. in the ground, cap mkd.
	!	EO 1882 173 M
		Navajo
		1964
		from which
		A cedar 10 ins. diam., bears S. $58\frac{1}{2}^{\circ}$ W., 80 links dist., mkd. 173 M BT
		Only bearing tree available; deposit glass at base of post.
		Land, gently rolling. Soil, sandy. Timber, scattered cedar; undergrowth, sage brush.
		East, along the 174th mile.
	16.25	Wash, 5 links wide, 2 ft. deep, drains NE.
	17.80	Track road, bears irregularly N. and S.
	29.55	Track road, bears N. and S.
	40.00	Point for the $173\frac{1}{2}$ mile cor.
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BCOK 4747 South Boundary, Hopi Indian Reservation, Arizona

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CHAINS	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 173½ M
	Navajo 1964
51.20	Track road, bears N. and S.
63.15	Track road, bears NE. and SW.
77.73	Intersect the line bet. secs. 8 and 9, T24N, R21E, 19.28 chs. South of the cor. of secs. 4, 5, 8 and 9.
80.00	Point for the 174th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882
	174 M Navajo
	1964
	Land, nearly level.
	Soil, sandy. Timber, scattered cedar; undergrowth, sagebrush.
	East, along the 175th mile.
5.20	Track road, bears NE. and SW.
27.45	Track road, bears N. 10° W. and S. 10° E.
40.00	Point for the 174½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882
	$\frac{174\frac{1}{2} \text{ M}}{\text{Navajo}}$
	1964
43.20	Wash, 4 links wide, 3 ft. deep, drains SW.
76.52	Intersect the line bet. secs. 9 and 10, T24N, R21E, 18.83 chs. South of the cor. of secs. 3, 4, 9 and 10.
79.00	Wash, 5 links wide, 3 ft. deep, drains SW.
80.00	Point for the 175th mile cor.
	Set the post 4 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.
	EO 1882
	175 M Navajo
	1964
	Land, nearly level.
	Soil, sandy, rocky. Timber, scattered cedar; undergrowth, sage brush.

Land, nearly level.

Soil, sandy.

2.10

7.60

9.10

Arizona.

118.

Navajo 1964

	CHAINS		
	23.18	Powerline, bears N. 4°20' W. and S. 4°20' E.	
	40.00	Point for the $176\frac{1}{2}$ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 176½ M	
		Navajo 1964	
	76.70	Track road, bears NW. and SE.	
	76.74	Intersect the line bet. secs. 11 and 12, T24N, R21E, 17.54 chs. South of the cor. of secs. 1, 2, 11 and 12.	
	80.00	Point for the 177th mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
:		EO 1882 177 M	
		Navajo 1964	
:	·	Land, nearly level. Soil, sandy. Timber, none; undergrowth, sagebrush, grasses.	
		East, along the 178th mile.	
	20.00	Track road, bears N. 70° W. and S. 70° E.	
	30.60	Wash, 10 links wide, 5 ft. deep, drains SE.	
	33.05	Wash, 10 links wide, 5 ft. deep, drains S.	
	40.00	Point for the 177½ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 177½ M	,
		Navajo 1964	
,		Asc. broken SW. slope of butte.	
	52.00	End asc.; over rolling SE. slope.	
	62.60	Wash, 10 links wide, 4 ft. deep, drains SE.	
	72.20	Track road, bears N. 35° E. and S. 35° W.	
	74.52	Point selected for witness point at intersection of reservation boundary with well-traveled road.	
		Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 12 ins. in the ground, cap mkd.	

CHAINS			
	EO 1882 177½M+34.52		
	Navajo 1964		
76.64	Intersect the line bet. secs. 7 and 12, T24N, Rs21 and 22E, 19.68 chs. South of the cor. of secs. 1, 67 and 12.		
80.00	Point for the 178th mile cor.		
	Set the post 24 ins. in the ground, cap mkd.		
	EO 1882 178 M		
	Navajo 1964		
	Land, rolling. Soil, sandy, rocky. Timber, none; undergrowth, sagebrush, cacti.		
	East, along the 179th mile.		
2.90	Wash, 10 links wide, 4 ft. deep, drains S.		
4.90	Tesbito Wash, 40 links wide, 6 ft. deep, drains SW.		
40.00	Point for the $178\frac{1}{2}$ mile cor.		
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.		
	EO 1882 178½ M		
	Navajo 1964		
58.60	Over rolling and broken land.		
66.90	Wash, 10 links wide, 2 ft. deep, drains NW.		
30.00	True point for the 179th mile cor. falls on steep W. slope of butte where point cannot be monumented.		
	Land, rolling and broken. Soil, sandy, rocky. Timber, scattered cedar; undergrowth, sagebrush and shadscale.		
	East, along the 180th mile.		
	Over rolling land, through sparse vegetation.		

South Boundary, Hopi Indian Reservation, Arizona 121.

CHAINS	Set the post on solid bedrock, over an X, and in a
	mound of stone, 4 ft. base to top, cap mkd.
	EO 1882 179 M WC
	Navajo 1964
4.90	Wash, 10 links wide, 3 ft. deep, drains NW.
36.40	Wash, 30 links wide, 3 ft. deep, drains NW.
40.00	Point for the $179\frac{1}{2}$ mile cor.
	Set the post 2 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.
	EO 1882 179½ M
	Navajo 1964
80.00	Point for the 180th mile cor.
	Set the post 16 ins. in the ground to bedrock and in a mound of stone, $2\frac{1}{2}$ ft. base to top, cap mkd.
	EO 1882 180 M
	Navajo 1964
	Land, rolling. Soil, sandy, rocky. Timber, none; undergrowth, sage brush, shadscale.
	East, along the 181st mile.
22.10	Barbed wire fence, bears N. 4° W. and S. 4° E.
37.00	Rim of mesa, desc. steep, broken E. slope.
40.00	Point for the $180\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 180½ M
	Navajo 1964
	Cor. falls on E. slope of a mesa.
1	
41.00	End major desc.; thence over nearly level land.
41.00	End major desc.; thence over nearly level land.  Wash, 10 links wide, 3 ft. deep, drains irregularly E.

		j, 1 ===================================
	CHAINS	Land, rolling and broken W 1/2 mile; nearly level E 1/2 mile. Soil, sandy, rocky.
		Timber, none; undergrowth, sage brush, grasses.
	·	East Boundary, Hopi Indian Reservation, Arizona
		From the Southeast Corner of the Hopi Indian Reservation, hereinbefore described in these fieldnotes.  Thence along the 110°00'00" Longitude line West, and the East Boundary of the Hopi Indian Reservation.
		North, along the 181st mile, beginning new measurement.
		Over nearly level land, through sparse vegetation.
	.40	Point for the 181st mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 181 M 1964
		Land, level. Soil, sandy. Timber, none; undergrowth, sage brush, g <b>r</b> asses.
		North, along the 182nd mile.
	1.00	Track road, bears NE. and SW.
	33.40	Track road, bears NE. and SW.
	38.50	Wash, 20 links wide, 4 ft. deep, drains E.
	40.00	Point for the $181\frac{1}{2}$ mile cor.
	,	Set the post 24 ins. in the ground, cap mkd.
		EO 1882 181½ M 1964
	40.40	Track road, bears NW. and SE.
	59.30	Wash, 10 links wide, 3 ft. deep, drains NE.
ļ.	80.00	Point for the 182nd mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 182 m 1964
		Land, level. Soil, sandy. Timber, none; undergrowth, sage brush, shadscale.

	I GULANIA	East Boundary, Hopi Indian Reservation, Arizona 123
•	CHAINS	North, along the 183rd mile.
		Over level land, through sparse vegetation.
• •	6.40	Track road, bears E. and W.
•	40.00	Point for the $182\frac{1}{2}$ mile cor.
• .		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo
		182½ M  Havajo 1964
	56.40	Small wash, drains NE.
	80.00	Point for the 183rd mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882
		183 M Navajo 1964
		Land, level.
		Soil, sandy. Timber, none; undergrowth, sage brush, shadscale.
		North, along the 184th mile.
	1.45	Track road, bears E. and W.
	40.00	Point for the $183\frac{1}{2}$ mile cor.
	·	Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo Navajo
	. •	1964
	60.70	Track road, bears NW. and SE.
	80.00	Point for the 184th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
•		EO 1882 184 M Navajo
		184 M  104 a) 5 1964
•		Land, level.
	,	Soil, sandy. Timber, none; undergrowth, sage brush, grasses.
•		
•		North, along the 185th mile.
		Over level land, no timber.
	40.00	Point for the 184½ mile cor.
,		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 184½ M Navajo
		1964
		1

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<b>CHAINS</b> 62.50	Small wash, drains SW.
78.30	
	Track road, bears N. 60° E. and S. 60° W.
80.00	Point for the 185th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 185 M 1964
	Land, level. Soil, sandy. Timber, none; undergrowth, tumbleweed, grasses.
	North, along the 186th mile.
8.00	Top of low sand hill.
40.00	Point for the $185\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 185½ M Navajo 1964
55.10	Track road, bears NE. and SW.
80.00	Point for the 186th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 186 M Navajo 1964
	Land, level. Soil, sandy. Timber, none; undergrowth, cacti, shadscale.
	North, along the 187th mile.
	Over level land, no timber.
40.00	Point for the 186½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 186½ M Navajo 1964
41.40	Track road, bears E. and W.
80.00	Point for the 187th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 187M Navajo 1964

East	Boundary,	Hopi	Indian	Reservation,	Arizona	125.

		, and boundary, note include negotiation, influence
•	CHAINS	Land, level. Soil, sandy.
· .		Timber, none; undergrowth, shadscale, tumbleweed.
		North, along the 188th mile.
• .	37.70	Track road, bears E. and W.
•	40.00	Point for the $187\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 187½ M Navajo 1964
	62.40	Track road, bears E. and W.
	68.20	Graded road, bears W. toward White Cone Trading Post and E. toward Ganado.
	68.50	Point selected as witness point at intersection of boundary with White Cone-Ganado Road.
		Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 12 ins. in the ground, cap mkd.
		EO 1882 187½ M Navajo + 28.50 1964
	80.00	Point for the 188th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo 188 M 1964
		Land, level. Soil, sandy. Timber, none; undergrowth, shadscale, mormon tea.
-		North, along the 189th mile.
	21.20	Track road, bears NW. and SE.
· .	40.00	Point for the $188\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo
,		188½ M  Navajo 1964
	41.00	Track road, bears NE. and SW.
	80.00	Point for the 189th mile cor.
		EO 1882 189 M Navajo 1964
	1	

26		East Boundary, Hopi Indian Reservation, Arizona 126
<b>V</b>	CHAINS	Land, level. Soil, sandy. Timber, none; undergrowth, shadscale, sage brush.
		North, along the 190th mile.
	37.70	Track road, bears NE. and SW. toward White Cone Trading Post.
	40.00	Point for the $189\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 189½ M Navajo 1964
	40.95	Track road, bears NE. and SW.
	80.00	Point for the 190 mile cor.
		Set the post 24 ins. in the ground, cap mkd.
	-	EO 1882 190 m Navajo 1964
		Land, level. Soil, sandy. Timber, none; undergrowth, sage brush, cacti.
		North, along the 191st mile.
		Continue over level land, through sparse growth.
	40.00	Point for the 190½ mile cor.
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 190½ M Navajo 1964
	61.20	Track road, bears E. and W.
	80.00	Point for the 191st mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 191 M Navajo 1964
		Land, level. Soil, sandy. Timber, none; undergrowth, sage brush, shadscale.
		North, along the 192nd mile.
	29.20	Track road, bears NW. and SE.
	29.61	Point selected as witness point at intersection of boundary with well-traveled road.
1	4	

East Boundary, Hopi Indian Reservation, Arizona 127.

CHAINS	
	Set the post in the center of a concrete cone 30 ins. long, 18 ins. at the base, 6 ins. at the top, 18 ins. in the ground, with cap mkd.
	EO 1882 191 M Navajo + 29.61 1964
40.00	Point for the $191\frac{1}{2}$ mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 191½ M Navajo 1964
47.30	Track road, bears NE. and SW.
50.70	Track road, bears NE. and SW.
60.00	Asc. SE. slope of mesa.
80.00	Point for the 192nd mile cor.
	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 192 M Navajo 1964
	Cor. falls on N. slope.
	Land, level S 1/2 mile; rolling and broken N 1/2 mile. Soil, sandy, rocky. Timber, scattered cedar and pinon pine. Undergrowth, sagebrush, mormon tea.
	North, along the 193rd mile.
	Over gently rolling land, through sparse growth.
40.00	Point for the 192½ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 192½ M Navajo 1964
	Over a series of ridges and small washes sloping to SW.
59.60	N. edge of ridge, slopes to E.
80.00	Point for the 193rd mile cor.
	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 193 M 1964

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	CHAINS	from which
		A pinon, 8 ins. diam., bears S. 13½° E., 64 links dist., mkd. 193 M BT
		A pinon, 8 ins. diam., bears S. 68° W., 102 links dist., mkd. 193 M BT
		Land, rolling and broken. Soil, sandy, gravelly. Timber, pinon, cedar; undergrowth, sage brush.
		North, along the 194th mile.
		Over rolling land, through scattered timber.
	13.80	Asc. S. slope of spur.
	20.00	Spur, slopes E.; desc. N. slope.
	27.50	End desc.; over open sagebrush flat.
	30.00	Trail road, bears E. and W.
	35.50	Asc. S. slope through medium dense timber.
	40.00	Point for the $193\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 193½ M Navajo 1964
		Cor. falls on S. edge of ridge.
	44.50	Ridge, bears E. and S. 80° W.; desc. along E. slope of ridge.
	64.00	Trail road, bears N. 75° E. and S. 75° W.; asc. S. slope of ridge.
	79.40	Ridge, projects W.; desc. N. slope.
	80.00	Point for the 194th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 194 M Navajo 1964
		from which
		A pinon, 6 ins. diam., bears N. 43° E., 57 links dist., mkd. 194 M BT
		A pinon, 8 ins. diam., bears S. $22\frac{1}{2}^{\circ}$ W., 25 links dist., mkd. 194 M BT
		Cor. falls on N. slope of ridge.
		Land, rolling. Soil, rocky. Timber, cedar, pinon. Undergrowth, sage brush, cacti, mormon tea.

,		East Boundary, Hopi Indian Reservation, Arizona 1
	CHAINS	
		North, along the 195th mile.
	4.60	Ridge, slopes W.
; •	13.80	Ridge, bears S. 75° W. and N. 75° E.; desc. N. slope.
	18.00	Wash, 15 links wide, 3 ft. deep, drains N. 85° W.
<b>.</b>	23.20	Wash, 20 links wide, 5 ft. deep, drains S. 65° W.
	40.00	True point for the $194\frac{1}{2}$ mile cor. falls in wash (25 links wide, 4 ft. deep, drains S. 30° W.), where monument cannot be perpetuated.
	40.70	Point selected as witness corner for the 1942 mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 194½ M Navajo 70 1ks. W C 1964
	48.50	Ridge, bears E. and W.; desc. along S. edge of spur.
	79.30	Wash, 15 links wide, 2 ft. deep, drains S. 80° W.
	80.00	Point for the 195th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 195 M 1964
		Cor. falls on nearly level land.
		Land, gently rolling. Soil, sandy clay. Timber, scattered cedar, pinon. Undergrowth, sage brush, grasses.
		North, along the 196th mile.
	8.50	Trail road, bears N. 20° E. and S. 20° W.
	16.50	Trail road, bears E. and W.
•	39.00	Wash, 10 links wide, 4 ft. deep, drains S. 15° E.
<b>-</b>	40.00	Point for the $195\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
•		EO 1882 195½ M Navajo 1964
	69.00	Spur, bears E. and W., continue over rolling land.
•	80.00	Point for the 196th mile cor.
•		Set the post 24 ins. in the ground, cap mkd.
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	Habe Boundary, hope Indian Reservation, Arraona 15
CHAINS	EO 1882
	196 M Navajo
	1964
,	Cor. falls on nearly level land.
	Land, rolling. Soil, sandy, rocky. Timber, scattered cedar; undergrowth, sage brush.
	North, along the 197th mile.
	Asc. S. slope of ridge.
13.00	Ridge, bears E. and W.; continue over series of small ridges.
17.70	Ridge, slopes E.; desc. N. slope.
26.60	Wash, 10 links wide, 3 ft. deep, drains S. 85° E.
30.40	Ridge, bears E. and W.; asc. S. slope.
37.80	Ridge, slopes E.
40.00	Point for the 1962 mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 196½ M 1964
	from which
	A cedar, 6 ins. diam., bears N. 76° E., 32 links dist., mkd. 196½ M BT
	A pinon, 8 ins. diam., bears N. 22½° W., 53 links dist., mkd. 196½ M BT
45.00	Ridge, bears E. and W.
51.90	Ridge, bears E. and W.
55.60	Draw, drains SE.
80.00	Point for the 197th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 197 M 1964
	Cor. falls on level sage brush flat.
	Land, rolling. Soil, sandy, rocky. Timber, scattered cedar, pinon. Undergrowth, sagebrush, cacti, grasses.

BOOK 4747 East Boundary, Hopi Indian Reservation, Arizona 131.

	CHAINS	last Boundary, nopr Indian Reservation, missona is
		North, along the 198th mile.
•		Over nearly level land, no timber.
	40.00	Point for the $197\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
•		EO 1882 197½ M Navajo 1964
	80.00	Point for the 198th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 198 M Navajo 1964
		Cor. falls on gentle E. slope on nearly level land and in dense sage brush.
		Land, nearly level. Soil, sandy clay. Timber, none; undergrowth, sage brush, grasses.
		North, along the 199th mile.
	24.30	Wash, 15 links wide, 3 ft. deep, drains N. 75° E.
	28.80	Wash, 10 links wide, 4 ft. deep, drains SE.
	40.00	Point for the $198\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
	·	EO 1882   198½ M   Navajo 1964
		Corner falls on nearly level land.
	47.00	Over series of small ridges and washes draining to E.
	63.30	Asc. S. slope of hill, enter into timber.
	80.00	Point for the 199th mile cor.
-		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 199 M Navajo 1964
-		from which
		A cedar, 12 ins. diam., bears N. 65½° E., 121 links dist., mkd. 199 M BT
		A cedar, 12 ins. diam., bears S. $76\frac{1}{4}^{\circ}$ W., 66 links dist., mkd. 199 M BT
		Cor. falls on gentle S. slope.

	nast boundary, nopi indian Reservation, Arizona
CHAINS	
	Land, gently rolling. Soil, sandy.
	Timber, pinon, cedar; undergrowth, sage brush.
	North, along the 200th mile.
	Over gently rolling land, through scattered timber.
2.40	Track road, bears N. 75° W. and S. 80° E.
6.38	Intersect a 1-inch diam. iron rod set in concrete form to mark the county line between Apache and Navajo Counties.
6.90	Point selected for witness point on the county line, reservation boundary and near major highway.
	Set the post 22 ins. in the ground, surrounded by concrete, with the cap mkd.
	EO 1882 199M+06.90 Navajo 1964
	Set a redwood post 4 ins. sq., 6 ft. long, alongside the iron post as a guardstake.
10.50	Center of State Highway No. 264, bears N. 69°38' E. toward Window Rock and S. 69°38' W. toward Keams Canyon, Arizona.
11.90	Point selected for witness point on the county line, reservation boundary and near state highway.
	Set the post 22 ins. in the ground, surrounded by concrete, with the cap mkd.
	EO 1882 199M+11.90 Navajo 1964
	Set a redwood post 4 ins. sq., 6 ft. long, alongside the iron post as a guardstake.
12.44	Intersect a 1-inch diam. iron rod set in concrete form to mark the county line between Apache and Navajo Counties.
40.00	Point for the $199\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 199½ M Navajo 1964
	Desc. along gentle N. slope.
80.00	Point for the 200th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 200 M Navajo 1964

CHAINS	from which
	A pinon, 6 ins. diam., bears N. 79° E., 59 links dist., mkd. 200 M BT
	A cedar, 6 ins. diam., bears S. $57\frac{1}{4}^{\circ}$ W., 164 links dist., mkd. 200 M BT
	Cor. falls on gentle NE. slope.
	Land, gently rolling. Soil, sandy, clay. Timber, cedar, pinon; undergrowth, grasses, sage brush and cacti.
	North, along the 201st mile.
27.00	Leave timber.
30.00	Track road, bears S. 85° E. and W.
31.40	Wash, 10 links wide, 3 ft. deep, drains N. 60° E.
40.00	Point for the $200\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 200½ M Navajo 1964
	Corner falls on nearly level land, no bearing trees available.
58.10	Bladed road, bears N. 30° W. and S. 45° E.
58.50	Point selected as witness point at intersection of reservation boundary with well-traveled road.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 200½M+  Navajo 15.50 1964
ì	Set a redwood post 4 ins. sq., 6 ft. long, alongside the iron post as a guardstake.
80.00	Point for the 201st mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 201 M 1964
	Cor. falls on gentle S. slope.
	Land, gently rolling. Soil, sandy, gravelly. Timber, pinon, cedar.

7		East Boundary, Hopi Indian Reservation, Arizona 13
<b>L</b>	CHAINS	
		North, along the 202nd mile.
		Over gently rolling land, through scattered timber.
	29.10	Trail road, bears N. 85° E. and S. 80° W.
	40.00	Point for the $201\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo 201½ M 1964
		Raise a small mound of stone N. of the cor.
	41.10	Enter medium dense timber.
	60.30	Wash, 10 links wide, 6 ft. deep, drains S. 70° W.
	80.00	Point for the 202nd mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 202 M Navajo 1964
		from which
		A pinon, 8 ins. diam., bears S. 67½° E. 27 links dist., mkd. 202 M BT
		A pinon, 6 ins. diam., bears N. 40° W., 24 links dist., mkd. 202 M BT
		Corner falls on gentle N. slope.
		Land, gently rolling. Soil, sandy. Timber, cedar, pinon; undergrowth, sage brush.
		North, along the 203rd mile.
	8.00	Leave timber, over sagebrush flat.
	17.00	Leave sage brush flat, re-enter scattered timber.
	38.00	Asc. gentle S. slope.
	40.00	Point for the 202½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo 202½ M 1964
		Corner falls on nearly level sagebrush flat. Raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner.
	48.70	Track road, bears E. and W.

East Boundary,	Hopi	Tndian	Reservation.	Arizona	135.
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	East Boundary, Hopi Indian Reservation, Arizona 135.
 CHAINS	
73.90	Track road, bears N. 35° W. and S. 35° E.
80.00	Point for the 203rd mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 203 M
	1964
	Corner falls on level land; raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner.
	Land, nearly level.
	Soil, sandy. Timber, scattered pine and cedar. Undergrowth, sage brush and black brush.
	North, along the 204th mile.
30.10	Track road, bears N. 75° W. and E.
40.00	Point for the $203\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 203½ M Navajo 1964
	from which
	A windmill bears N. 72°20' W., 43.78 chains distant.
	Corner falls on low ridge, bears NE. and SW.
54.10	Track road, bears NE. and SW.
72.90	Track road, bears N. 75° E. and S. 75° W.
80.00	Point for the 204th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 204 M Navajo 1964
	Raise a mound of stone 3 ft. base, 2 ft. high, N. of the corner.
	Land, nearly level. Soil, sandy. Timber, scattered cedar; undergrowth, sage brush.
	North, along the 205th mile.
3.80	Wash, 10 links wide, 3 ft. deep, drains S. 75° W.
36.60	Track road, bears N. 80° W. and S. 80° E.
40.00	Point for the $204\frac{1}{2}$ mile cor.
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East	Boundary,	Hopi	Indian	Reservation,	Arizona
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6		East Boundary, Hopi Indian Reservation, Arizona 13	36.
	CHAINS		
		Set the post 20 ins. in the ground, surrounded by concrete, cap mkd.	
		EO 1882 204½ M Navajo	
		1964	
		Corner falls on level land.	
	67.40	Track road, bears N. 75° E. and S. 80° W.	
	80.00	Point for the 205th mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 205 M Navajo 1964	
		Corner falls on level land.	
		Land, level.	
		Soil, sandy. Timber, scattered cedar, pine; undergrowth, sage brush, grasses, cacti.	
		Newsland 1 2001 11	
		North, along the 206th mile.	
		Continue over nearly level land, through sparse timber and dense undergrowth.	
	6.80	Low ridge, bears E. and W.; desc. gentle N. slope.	
	29.40	Small wash, drains SW.	
	32.00	Wash, 45 links wide, 8 ft. deep, drains S. 35° W.	
	40.00	Point for the $205\frac{1}{2}$ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 205½ M Navajo 1964	
		Corner falls on nearly level land.	
	40.40	Trail road, bears S. 35° W. and N. 35° E.	
	80.00	Point for the 206th mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 206 M Navajo	
		. 1964	
:		from which	
		A cedar, 10 ins. diam., bears S. 87½° W., 40 links dist., mkd. 206 M BT	
		A cedar, 16 ins. diam., bears S. $23\frac{1}{2}^\circ$ W., 27 links dist., mkd. EO 1882 206 M BT	

Corner falls on gentle S. slope.
Land, gently rolling to nearly level.
Soil, sandy, rocky. Timber, scattered cedar; undergrowth, sagebrush.
North, along the 207th mile.
Asc. S. slope of mesa.
Rock ledge, bears S. 75° E. and West.
Small wash, drains W.; cont. asc.
End asc.; along top of mesa.
Desc. gentle N. slope of mesa.
Point for the 206½ mile cor.
Set the post 24 ins. in the ground, cap mkd.
EO 1882   Navajo   1964
from which
A pinon, 10 ins. diam., bears N. $72^{\circ}30$ E., 55 links dist., mkd. $206\frac{1}{2}$ M BT
A cedar, 14 ins. diam., bears S. $72\frac{1}{4}^{\circ}$ W., 28 links dist., mkd. $206\frac{1}{2}$ M BT
Corner falls on gentle N. slope of hill.
Wash, 15 links wide, 5 ft. deep, drains S. 65° W.
Track road, bears S. 85° E. and N. 85° W.
Enter dense timber.
Point for the 207th mile cor.
Set the post 24 ins. in the ground, cap mkd.
EO 1882 207 M Navajo
1964
from which
A cedar, 10 ins. diam., bears N. 56° E., 42 links dist., mkd. 207 M BT
A cedar, 20 ins. diam., bears S. $70\frac{1}{4}^{\circ}$ W., 19 links dist., mkd. 207 M BT
Land, gently rolling. Soil, sandy, rocky.
Timber, cedar and pinon. Undergrowth, scrub oak, sage brush and grasses.

		BCOK 4747
38		East Boundary, Hopi Indian Reservation, Arizona
	CHAINS	
		North, along the 208th mile.
	_	Asc. through dense timber.
	4.00	Rock ledge, bears N. 30° E. and S. 30° W.
	20.00	S. rim of mesa; desc. gentle N. slope.
	31.80	Jeddito Wash, 15 links wide, 5 ft. deep, drains S. 85° W.
	40.00	Point for the 207½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo 207½ M 1964
		from which
		A cedar, 10 ins. diam., bears N. 78½° W., 188 links dist., mkd. 207½ M BT
		No other bearing trees available.
		Corner falls on nearly level mesa top.
	56.05	Unimproved track road, bears NE. and SW.
	74.30	Small wash, drains N. 15° E.
	80.00	Point for the 208th mile corner.
		Set the post 16 ins. in the ground to bedrock and in a mound of stone to top, cap mkd.
		EO 1882 Navajo 208 M 1964
		from which
		A cedar, 8 ins. diam., bears N. 81½° E., 27 links dist., mkd. 208 M BT
		A pine, 10 ins. diam., bears S. 30½° E., 46 links dist., mkd. 208 M BT
		Raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner.
		Land, gently rolling. Soil, rocky. Timber, pine and cedar; undergrowth, sage brush.
		North, along the 209th mile.
	4.00	Rock rim, bears E. and W.; asc. SE. slope through dense timber.
	15.30	S. rim of mesa; thence over gently rolling land.
	40.00	Point for the 208½ mile cor.

East Boundary, Hopi Indian Reservation	Arizona
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		East Boundary, Hopi Indian Reservation, Arizona	139.
	CHAINS		
		Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.	
		EO $1882$ $208\frac{1}{2} \text{ M}$ Navajo $1964$	
		from which	
2		A cedar, 8 ins. diam., bears S. $27\frac{1}{2}^{\circ}$ E., 64 links dist., mkd. $208\frac{1}{2}$ M BT	
		A pinon, 8 ins. diam., bears S. $21\frac{1}{4}^{\circ}$ W., 44 links dist., mkd. $208\frac{1}{2}$ M BT	
		Corner falls on N. edge of mesa in dense stand of timber.	
		Desc. N. slope of mesa, through dense timber.	
	80.00	Point for the 209th mile cor.	
		Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.	
		EO 1882 209 M	
		1964	
		from which	
	·	A cedar, 14 ins. diam., bears S. $52\frac{1}{2}^{\circ}$ E., 54 links dist., mkd. 209 M BT	
		A pine, 10 ins. diam., bears S. 8° E., 70 links dist., mkd. 209 M BT	
		Corner falls on N. slope of mesa in dense timber.	
		Land, rolling and broken. Soil, rocky.	
		Timber, pinon and cedar; undergrowth, grasses, cacti and sage brush.	
		North, along the 210th mile.	
•		Continue desc. through timber.	
	5.00	Rock Wash, 10 links wide, 5 ft. deep, drains W.; asc. S. slope of small mesa.	
<del></del> -	10.00	Mesa top, over gently rolling land.	
•	15.00	Desc. steep N. slope.	
*.	23.70	Wash, 10 links wide, 6 ft. deep, drains irregularly N.	
-	37.50	Spur, bears E. and W.	
<b>.</b>	40.00	Point for the 209½ mile post.	
•		Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.	
		EO 1882 209½ M 1964	
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CHAINS	
CHAINS	Raise a mound of stone, 2 ft. base, 2 ft. high, N. of the corner.
	Corner falls 20 links west of deep wash.
41.20	Wash, 15 links wide, 10 feet deep, drains NE.
71.20	Small wash, drains NE.
80.00	Point for the 210th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 210 M Navajo 1964
	from which
	A cedar, 15 ins. diam., bears N. $42\frac{1}{2}^{\circ}$ E., 115 links dist., mkd. 210 M BT
	A cedar, 16 ins. diam., bears S. 63° W., 29 links dist., mkd. 210 M BT
	Corner falls on gentle NW. slope.
	Land, gently rolling. Soil, rocky. Timber, cedar; undergrowth, cacti and sage brush.
	North, along the 211th mile.
	Asc. gentle S. slope of spur.
20.20	Low spur, bears E. and W.; desc. gentle N. slope.
37.50	Frame house, bears W. approximately 7 chains.
40.00	Point for the $210\frac{1}{2}$ mile cor.
	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 210½ M Navajo 1964
	from which
	A cedar, 16 ins. diam., bears S. $33\frac{1}{2}^{\circ}$ E., 10 links dist., mkd. $210\frac{1}{2}$ M BT
	Only bearing tree available.
42.50	Track road, bears N. 70° W. and S. 70° E.
53.00	Barbed wire fence, bears irregularly NW. and SE.
74.60	Barbed wire fence, bears N. 55° W. and S. 55° E.
80.00	Point for the 211th mile cor.
	Set the post 24 ins. in the ground, cap mkd.

# **ECOK 4747**

East Boundary, Hopi Indian Reservation, Arizona 141.

CHAINS	
•	EO 1882 211 M Navajo 1964
	Corner falls on nearly level land.
•	Land, nearly level. Soil, sandy. Timber, none; undergrowth, sage brush and tumbleweed.
	North, along the 212th mile.
1.	Track road, bears N. 49° E. and S. 49° W.
23.	Track road, bears N. 55° W. and S. 55° E.
40.	Point for the $211\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 211½ M 1964
	Corner falls on nearly level land, no bearing trees available.
42.	Center of wash, 200 links wide, 6 ft. deep, drains N. 85° W. at this point.
51.	OO Trail road, bears SE. and NW.
64.	Trail road, bears N. 20° W. and S. 20° E.
74.	40 Small wash, drains S. 75° W.
80.	OO Point for the 212th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 212 M Navajo 1964
	Corner falls on nearly level land.
	Land, nearly level. Soil, sandy. Timber, none; undergrowth, grasses and cacti.
	North, along the 213th mile.
20.	
23.	
40.	
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 Navajo 1964
	Raise a small mound of stone N. of the corner.

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<del></del>	CHAINS	Just Boundary, nopr Indian Reservation, Arrizona
	54.90	Center of wash, 600 links wide, 4 ft. deep, drains irregularly W.
	80.00	Point for the 213th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 213 M Navajo 1964
	•	from which
		A cedar, 14 ins. diam., bears N. $55\frac{1}{4}^{\circ}$ W., 231 links dist., mkd. 213 M BT
		Only bearing tree available.
		Corner falls on nearly level land.
		Land, nearly level. Soil, sandy. Timber, scattered cedar; undergrowth, sage brush.
		North, along the 214th mile.
	11.50	Wash, 15 links wide, 4 ft. deep, drains W.
	16.00	Cinder block house, bears W., 500 links dist.
	18.50	Hogan bears E. 72 links dist.
	25.80	Track road, bears S. 30° W. and irregularly NE.
	40.00	Point for the 213½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 213½ M Navajo 1964
		Corner falls on nearly level land.
	79.70	Small wash, drains W.
	80.00	Point for the 214th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 214 M Navajo 1964
		Corner falls on nearly level land 30 links N. of shallow wash.
		Land, nearly level. Soil, sandy. Timber, none; undergrowth, sage brush and grasses.
		North, along the 215th mile.
	13.70	Barbed wire fence, bears N. 67° W. and S. 67° E.; enter cultivated field.
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,		East Boundary, Hopi Indian Reservation, Arizona 143.
	CHAINS	
	29.50	Barbed wire fence, bears irregularly NE. and SW.; leave cultivated field.
	40.00	Point for the 214½ mile cor.
• `` •••		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 214½ M Navajo 1964
		Raise a small mound of stone N. of corner.
	51.50	Trail road, bears S. 80° E. and N. 80° W.
	52.50	Left bank of the Tse Chizzi Wash, 8 ft. high, bears irregularly E. and W. at this point.
	56.00	Right bank of Tse Chizzi Wash, 8 ft. high, same bearing.
	70.70	Track road, bears N. 47° E. and S. 47° W.
	80.00	Point for the 215th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 215 M Navajo 1964
		from which
	Ŷ	Windmill Number 7T377 bears S. 35°56' W., 16.76 chains dist.
		Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the corner.
		Land, nearly level. Soil, sandy. Timber, N 1/4 mile only; undergrowth, sage brush.
•		North, along the 216th mile.
:	.10	Hogan, bears W. 38 links dist.
	5.20	Frame house, bears E., 36 links.
	24.00	Ridge, bears E. and W.; desc. N. slope.
-	32.00	Track road, bears N. 70° W. and S. 70° E.
-	40.00	Point for the $215\frac{1}{2}$ mile cor.
		Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 215½ M Navajo 1964
		Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the corner.
		Corner falls on steep SW. slope of ridge.

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	<b>.</b>	East Boundary, nopi indian Reservation, Arizona 1
	CHAINS	
•	43.30	Small wash, drains SE. into Tse Chizzi Wash; asc. S. slope of ridge.
	55.20	Ridge top, bears N. 70° E. and S. 70° W.; desc. N. slope of ridge.
	68.50	Ridge top, bears N. 60° W. and S. 60° E.; along SE. slope of hill.
	80.00	Point for the 216th mile cor.
		Set the post 16 ins. in the ground to bedrock, and in a mound of stone 3 ft. base to top, cap mkd.
		EO 1882 216 M N <b>a</b> vajo 1964
	-	Corner falls on S. slope of hill that bears N. and S.
		Land, rolling and broken.
		Soil, rocky. Timber, cedar and pinon; undergrowth, sage brush, cliff rose and cacti.
		North, along the 217th mile.
		Continue ascending steep S. slope of mesa.
	10.35	S. rim of rocky ledge, bears N. 45° E. and S. 45° W.; gentle asc. over top of Balkai Mesa.
	40.00	Point for the $216\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo 1964
		from which
		A cedar, 8 ins. diam., bears N. 33° E., 17 links dist., mkd. $216\frac{1}{2}$ M BT
		A cedar, 24 ins. diam., bears N. $88\frac{1}{2}^{\circ}$ W., 54 links dist., mkd. $216\frac{1}{2}$ M BT
		Corner falls on top of Balkai Mesa.
		Continue over nearly level land, through dense timber.
	80.00	Point for the 217th mile cor.
		Set the post on solid bedrock, over an X, and in a mound of stone 4 ft. base to top, cap mkd.
		EO 1882 217 M Navajo 1964
		Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the corner.
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East Boundary, Hopi Indian Reservation, Arizona 145.	East	Boundary,	Hopi	Indian	Reservation,	Arizona	145.
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CHAINS	
	Land, N 1/2 mile nearly level, S 1/2 mile rolling. Soil, rocky.
	Timber, cedar and pine; undergrowth, sage brush, cliff rose and sotol.
	North, along the 218th mile.
	Over gently rolling land, through timber.
3.50	Desc. steep and rocky N. slope of Balkai Mesa.
13.00	Small draw, drains NE.; desc. along E. slope of mesa.
30.80	Ridge, bears E. and W.; desc. N. slope.
37.60	Track road, bears irregularly N. and S.
40.00	Point for the 217½ mile cor.
	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 217½ M 1964
·	from which
	A cedar, 14 ins. diam., bears S. 54° W., 43 links dist., mkd. 217½ M BT
	A cedar, 16 ins. diam., bears N. 14° W., 49 links dist., mkd. EO 1882 217½ M BT
	Corner falls on gentle NE. slope.
46.90	Track road, bears S. 25° E. and W.; desc. along E.
75.60 80.00	slope. Spur, slopes W.; desc. along E. slope. Point for the 218th mile cor.
·	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 Navajo 218 M 1964
	from which
	A pinon, 16 ins. diam., bears N. 57½° E., 79 links dist., mkd. 218 M BT
	A cedar, 12 ins. diam., bears S. 6° E., 65 links dist., mkd. 218 M BT
	Corner falls on E. slope of hill.
	Land, rolling and broken. Soil, rocky.
	Timber, pinon and cedar; undergrowth, brush.

46	•	East Boundary, Hopi Indian Reservation, Arizona 14
	CHAINS	N
		North, along the 219th mile.
	21.00	Desc. through medium growth timber.
	31.00	Hill top, bears NW. and SE.; over gently rolling land.
	34.40	Track road, bears S. 60° W. and N. 75° E.
	40.00	Point for the $218\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 218½ M Navajo 1964
		Corner falls on nearly level land.
	43.50	Wood-framed house, bears W. 580 links dist.
	51.50	Track road, bears E. and W.
	64.10	Small wash, drains NW.
	80.00	Point for the 219th mile cor.
		Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 219 m 1964
		Land, nearly level. Soil, sandy. Timber, none; undergrowth, sage brush, tumbleweeds.
		North, along the 220th mile.
		Over nearly level land.
	5.20	Earthen dam, bears W., approximately 11.50 chains dist.
	16.30	Track road, bears N. 75° E. and S. 50° W.
	40.00	Point for the $219\frac{1}{2}$ mile cor.
		Set the post 20 ins. in the ground and in a mound of stone to top, cap mkd.
		EO 1882 219½ M 1964
		Asc. gentle S. slope.
	44.00	Rock ledge, bears NW. and SE.; over level land.
	57.20	Track road, bears N. 85° W. and S. 85° E.
	60.30	Track road, bears NE. and SW.
	80.00	Point for the 220th mile cor.
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East	Boundary,	Hopi	Indian	Reservation,	Arizona	147.	A

CHAINS	EO 1882
	EO 1882 220 M Navajo
	1964
	Land, nearly level. Soil, sandy. rocky. Timber, none; undergrowth, tumbleweed, sage brush, barberry.
	North, along the 221st mile.
	Continue over level land, no timber.
40.00	Point for the $220\frac{1}{2}$ mile cor.
	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 220½ M Navajo 1964
	Corner falls on flat open land.
42.50	Point selected for witness point at the intersection of the reservation boundary with S. side of main highway.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 220½M+2.50 Navajo 1964
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the iron post. Set a redwood post, 4 ins. sq., 6 ft. long, alongside the iron post as a guardstake.
43.75	Center of Arizona State Highway No. 65; bears N. 86°40' E. toward Chinle and S. 86°40' W. toward Pinon, Arizona.
45.00	Point selected for witness point at the intersection of the reservation boundary with the N. side of Highway.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 220½M+5.00 Navajo 1964
	Set a redwood post 4 ins. sq., 6 ft. long, alongside the iron post as a guardstake.
61.05	Wash, 10 links wide, 2 ft. deep, drains S. 35° W.
66.00	Enter scattered timber.
80.00	Point for the 221st mile cor.
	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
	EO 1882 221 m

East Boundary, Hopi Indian Reservation, Arizona 148

8		East Boundary, Hopi Indian Reservation, Arizona 148
	CHAINS	
		Corner falls on nearly level land.
		Land, nearly level, sloping gently to SW. Soil, sandy, rocky. Timber, scattered cedar. Undergrowth, sage brush, cacti, shadscale.
		North, along the 222nd mile.
	2.90	Base of hill; start asc. S. slope.
	14.00	Top of hill; desc. N. slope.
	19.20	Wash, 10 links wide, 2 ft. deep, drains N. 35° W.; enter into clearing.
	35.80	Asc. gentle SW. slope of hill.
	40.00	Point for the 221½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 221½ M Navajo 1964
		Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the corner.
	40.25	Rock hogan, bears W., 25 links dist.
	50.30	Top of hill, desc. gentle N. slope.
	78.15	Track road, bears E. and W.
	80.00	Point for the 222nd mile cor.
		Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 222 M Navajo 1964
		Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the corner.
		Land, rolling. Soil, rocky. Timber, cedar; undergrowth, sage brush, greasewood.
		North, along the 223rd mile.
		Continue gentle desc. of N. slope.
	15.05	Wash, 25 links wide, 10 ft. deep, drains W.; thence over nearly level land.
	40.00	Point for the 222½ mile cor.
		Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.

BCOK 4747

East Boundary, Hopi Indian Reservation, Arizona 149

-	CHAINS	EO 1882 222½ M
~		· 222½ M   Navajo 1964
		Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of the corner.
· ·	50.15	Wash, 15 links wide, 5 ft. deep, drains SW.
	61.20	Left bank of Burnt Corn Wash, approximately 15 ft. high, bears N. 79° E. and S. 70° W.
	62.50	Center of Burnt Corn Wash, course S. 70° W.
	63.80	Right bank of Burnt Corn Wash, bank has same general bearing.
	80.00	Point for the 223rd mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 223 M Navajo 1964
		Raise a mound of stone, 2 ft. base, 2 ft. high, N. of the corner.
		Land, nearly level. Soil, clayish. Timber, none; undergrowth, greasewood, shadscale.
		North, along the 224th mile.
	18.80	Track road, bears NE. and SW.
	35.65	Track road, bears NW. and SE.
	40.00	Point for the 223½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo 223½ M 1964
		Raise a small mound of stone N. of the corner.
	41.30	Same road as above, bears irregularly NE. and SW.
. <b>.</b> -	80.00	Point for the 224th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
•		EO 1882 224 M 1964
		Raise a small mound of stone N. of the corner.
•		Land, nearly level. Soil, sandy. Timber, none; undergrowth, greasewood, shadscale, Apache plume.

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150		East Boundary, Hopi Indian Reservation, Arizona 150.
	CHAINS	
		North, along the 225th mile.
	17.95	Small wash, drains S. 80° E.
	39.45	Wash, 15 links wide, 7 ft. deep, drains irregularly E.
	40.00	Point for the 224½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 224½ M Navajo 1964
		Corner falls on nearly level land.
	54.80	Asc. gentle S. slope of low spur.
	70.40	Low spur, bears NW. and SE.
	74.00	Desc. gentle N. slope of low spur.
	76.30	End desc., over nearly level land.
	80.00	Point for the 225th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 225 M Navajo 1964
		Raise a small mound of stone N. of the corner.
		Land, nearly level. Soil, sandy, rocky. Timber, none; undergrowth, shadscale, greasewood.
		North, along the 226th mile.
	16.30	Old hogan bears W., 50 links dist.
	29.10	Small wash, 10 links wide, drains SE. toward Burnt Corn Wash.
	40.00	Point for the $225\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 225½ M Navajo 1964
		Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, N. of the corner.
	40.70	Wash, 40 links wide, 10 ft. deep, drains SE.
	56.80	Low spur, bears E. and W.
	73.00	Low spur, slopes SE.
	80.00	Point for the 226th mile cor.

East	Boundary,	Hopi	Indian	Reservation,	Arizona	151.	

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CHAINS	Set the post 24 ins. in the ground, cap mkd.	
	EO 1882 Navajo	
	1964	
	from which	
	A cedar, 14 ins. diam., bears S. 27½° W., 47 links dist., mkd. 226 M BT	
	A cedar, 28 ins. diam., bears S. $84\frac{1}{2}^{\circ}$ W., 105 links dist., mkd. 226 M BT	
	Only bearing trees available.	
	Land, gently rolling. Soil, rocky.	
	Timber, scattered cedar. Undergrowth, greasewood, sage brush, tumbleweed.	
	North, along the 227th mile.	
2.90	Well-traveled unimproved road, bears N. 27° W. and S. 65° E.	
3.10	Point selected as witness point at the intersection of the reservation boundary with N. side of road.	
	Set the post 24 ins. in the ground, cap mkd.	
	EO 1882 226M+3.10 1964	
5.40	Wash, 20 links wide, 7 ft. deep, drains S. 25° E.	
13.50	Track road, bears E. and W.	
28.00	Asc. steep S. slope of spur.	
37.20	Top of spur, projects SE.	
38.70	Head of small draw, drains E.; thence along SE. slope of ridge.	
40.00	Point for the 226½ mile cor.	
	Set the post 24 ins. in the ground, cap mkd.	
	EO 1882 226½ M Navajo 1964	
	Corner falls on steep SE. slope of ridge.	
	Continue steep ascent of ridge.	
51.80	Spur, projects SW.; along NW. slope.	
80.00	Point for the 227th mile cor.	
·	Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.	

 	date Boundary, noti indian Reservation, Arizona	154
CHAINS		
	EO 1882 227 M	
	1964	
	from which	
	A pinon, 8 ins. diam., bears S. 83° E., 34 links dist., mkd. 227 M BT	
	A cedar, 14 ins. diam., bears S. 63½° W., 35 links dist., mkd. 227 M BT	
	Corner falls on gentle NW. slope of ridge.	l
	Land, rolling and mountainous. Soil, rocky.	
	Timber, pinon and cedar. Undergrowth, mormon tea and grasses.	
	North, along the 228th mile.	
	Along NW. slope of ridge.	
24.00	Spur, bears NW. and SE.; desc. steep N. slope.	
31.10	Wash, 30 links wide, 3 ft. deep, drains NW.; asc. gentle SW. slope.	
40.00	Point for the 227½ mile cor.	
	Set the post 24 ins. in the ground, cap mkd.	
	EO 1882 227½ M 1964	
	from which	
	A cedar, 28 ins. diam., bears N. 23½° E., 33 links dist., mkd. 227½ M BT	
	A pinon, 8 ins. diam., bears S. 58° W., 36 links dist., mkd. 227½ M BT	
	Corner falls on gentle SW. slope.	
54.80	Draw, drains NW.; over rolling land.	
63.50	Top of spur, bears irregularly E. and W.; desc. N. slope.	
69.50	Draw, drains W.; asc. S. slope.	
78.00	Spur, projects W.; over rolling land.	
80.00	Point for the 228th mile cor.	
	Set the post 24 ins. in the ground, cap mkd.	
	EO 1882 Navajo 228 M 1964	
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East	Boundary,	Hopi	Indian	Reservation,	Arizona	
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٠	CHAINS	from which
•		A cedar, 12 ins. diam., bears S. 31° E., 44 links dist., mkd. 228 M BT
		A cedar, 14 ins. diam., bears S. $77\frac{1}{2}^{\circ}$ W., 6 links dist., mkd. 228 M BT
		Corner falls in wooded area on small knoll.
		Land, rolling and broken. Soil, rocky. Timber, dense pinon and cedar. Undergrowth, sage brush, mormon tea, grasses.
		North, along the 229th mile.
	4.00	Low spur, projects W.; desc. over rolling N. slope.
	6.50	Leave timber, over nearly level open land.
	20.50	Barbed wire fence, bears NW. and SE.
	40.00	Point for the 228½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 228½ M 1964
		from which
		The SW. corner of earthen reservoir bears S. 30° E., approximately 520 links dist.
	40.70	Barbed wire fence, bears NW. and E. to pond.
	44.00	Track road, bears E. and W.
	64.00	Trail road, bears NE. and SW.
	80.00	Point for the 229th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
	·	EO 1882 229 M Navajo 1964
-		Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the corner.
-		Land, nearly level. Soil, sandy. Timber, scattered cedar and pine. Undergrowth, grasses, tumbleweed, greasewood.
		North, along the 230th mile.
	20.50	Leave level land; asc. rocky S. slope of mesa through dense timber.
	38.50	S. rim of mesa, bears NW. and SE.; over nearly level mesa top.
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East	Boundary,	Hopi	Indian	Reservation,	Arizona
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154		East Boundary, Hopf Indian Reservation, Arizona 15
	CHAINS	T. 1
	40.00	Point for the 229½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo 229½ M 1964
		from which
		A pine, 8 ins. diam., bears S. 63° E., 81 links dist., mkd. 229½ M BT
		A pine, 8 ins. diam., bears S. 47° W., 65 links dist., mkd. 229½ M BT
		Corner falls on mesa, 12 chains N. of steep S. rim.
	63.90	Head of rocky draw, drains S. 30° W.
	74.50	Point selected as witness corner for the 230th mile cor.
		Set the post 16 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.  W C
		EO 1882 230 M 1964
		from which
		A pinon, 8 ins. diam., bears S. 66° E., 15 links dist., mkd. WC 230 M BT
		A cedar, 14 ins. diam., bears N. $83\frac{1}{2}^{\circ}$ W., 27 links dist., mkd. WC 230 M BT
	74.90	N. rim of mesa, bears N. 45° E. and S. 70° W.; desc. steep N. slope through dense timber.
	80.00	True point for the 230th mile cor. falls on steep, rocky N. slope where the point cannot be monumented.
		Land, broken and mountainous. Soil, rocky. Timber, cedar and pinon. Undergrowth, greasewood, shadscale, sage brush.
		North, along the 231st mile.
		Continue descending steep and rocky N. slope.
	12.50	Draw, drains S. 45° W.
	35.50	Small rocky spur, projects W.
	39.00	Track road, bears SE. and NW.
	39.80	Point selected as witness corner for the 230½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.

BOOK 4747

East	Boundary,	Hopi	Indian	Reservation,	Arizona	155
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CHAINS	WC	
·	i e	
	EO 1882 230½ M	
	1964	
	from which	
	A pinon, 10 ins. diam., bears S. 49° E., 60 links dist., mkd. WC $230\frac{1}{2}$ M BT	
	A cedar, 8 ins. diam., bears S. 72° W., 10 links dist., mkd. WC 230½ M BT	
40.00	True point for the $230\frac{1}{2}$ mile corner falls on the side of a large rock where a monument cannot be set.	
,	Cont. desc. of N. slope through timber.	
59.50	Enter sagebrush flat.	
66.10	Track road, bears N. 65° E. and S. 55° W.	
67.60	Main wash, 40 links wide, 6 ft. deep, drains S. 65° W. toward stock pond and Polacca Wash.	
80.00	Point for the 231st mile cor.	
	Set the post 24 ins. in the ground, cap mkd.	
	EO 1882 231 M Navajo	
	1964	
	from which	
	A cedar, 32 ins. diam., bears S. $84\frac{1}{2}^{\circ}$ W., 39 links dist., mkd. EO 1882 231 M BT	
	Raise a mound of stone, $3\frac{1}{2}$ ft. base, 3 ft. high, N. of corner.	
	Corner falls on moderate SE. slope of mesa.	
	Land, rolling and broken.	
	Soil, clayish and rocky. Timber, scrub oak, cedar and pine.	
	Undergrowth, sagebrush, oakbrush and cacti.	
	North, along the 232nd mile.	
	Continue over sage brush flats.	
4.30	Low spur, slopes SE.; begin asc. S. slope.	
24.90	Ridge, bears N. 70° E. and S. 70° W.; asc. along SE. slope of mesa.	
40.00	Point for the $231\frac{1}{2}$ mile cor.	
	Set the post 18 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.	
	EO 1882 231½ M 1964	
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East Boundary, Hopi Indian Reservation, Arizona 156.

96	<del></del>	1 200 Boundary, hepr indian Reservation, Arizona 13
	CHAINS	Corner falls on ledgy S. slope, 370 links S. of rim.
	43.70	S. rim of mesa, bears NE. and SW.; asc. gentle S. slope.
	56.00	Crest of ridge on top of mesa, bears E. and W.; desc.
	30.00	gentle N. slope of ridge.
	63.30	Track road, bears E. and W.
	67.30	Small draw, drains SW.
	80.00	Point for the 232nd mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 232 M Navajo 1964
		from which
		A pinon, 12 ins. diam., bears N. 66½° E., mkd. 232 M BT
		Land, rolling. Soil, rocky. Timber, pine and cedar; undergrowth, oakbrush, sage brush.
	•	North, along the 233rd mile.
		Asc. gentle S. slope.
	8.00	Crest of ridge, bears N. 60° E. and S. 60° W.; desc. N. slope of ridge.
	16.00	Small draw, drains S. 35° W.; asc. S. slope.
	21.00	Crest of spur, slopes SW.; desc. along N. slope.
	30.50	Draw, drains W.; along rolling W. slope through dense timber.
	35.00	Slope changes to N.
	40.00	Point for the 232½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 232½ M Navajo 1964
,		from which
		A cedar, 16 ins. diam., bears N. $58\frac{1}{2}^{\circ}$ E., 31 links dist., mkd. $232\frac{1}{2}$ M BT
		A pinon, 14 ins. diam., bears S. $18\frac{1}{2}^{\circ}$ E., 43 links dist., mkd. $232\frac{1}{2}$ M BT
		Corner falls on gentle N. slope.
	42.80	Small wash, drains W.
		<u> </u>

		East Boundary, Hopi Indian Reservation, Arizona 1
	<b>CHAINS</b> 73.70	Bladed road, bears NE. and SW.; enter into dense timber.
~ .	78.70	Point selected as witness corner for the 233rd mile corner.
		Set the post 8 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.
•		WC EO 1882 233 M Navajo 1964
		from which
		A cedar, 8 ins. diam., bears S. 27½° E., 23 links dist., mkd. WC 233 M BT
		A cedar, 18 ins. díam., bears S. 75½° W., 71 links dist., mkd. WC 233 M BT
	80.00	True point for the 233rd mile corner falls on face of rocky ledge of N. slope where a monument cannot be set.
		Land, rolling and broken. Soil, rocky. Timber, cedar and pinon. Undergrowth, oakbrush, sage brush and grasses.
		North, along the 234th mile.
		Desc. steep N. slope.
	3.50	Ravine, drains N. 25° W.
	29.50	Wash, 40 links wide, 12 ft. deep, drains SW.; over level land.
	33.00	Asc. rocky SW. slope of hill.
	40.00	Point for the $233\frac{1}{2}$ mile cor.
	:	Set the post 6 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.
		EO 1882 233½ M Navajo 1964
		from which
•		A pinon, 14 ins. diam., bears S. 73° E. 54 links dist., mkd. 233½ M BT
		A pinon, 18 ins. diam., bears S. 76° W. 38 links dist., mkd. 233½ M BT
		Corner falls on rocky SW. slope of hill.
•	43.90	Top of hill; desc. along NW. slope.
	71.00	Deep wash, drains S. 10° W.; enter into level land.
	80.00	Point for the 234th mile cor.

East	Boundary,	Hopi	Indian	Reservation,	Arizona
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58		East Boundary, Hop1 Indian Reservation, Arizona 15
	CHAINS	Set the post 24 ins. in the ground, cap mkd.
		EO 1882 Navajo
		234 M Navajo 1964
		Corner falls on level land.
		Land, rolling and broken. Soil, rocky.
		Timber, cedar and pine. Undergrowth, oakbrush and sage brush.
		North, along the 235th mile.
	3.80	Wash, 10 links wide, 2 ft. deep, drains S. 10° W.; asc. over broken ledges.
	10.70	Rim of mesa, bears N. 45° W. and S. 45° E.; asc. along SW. slope.
	29.60	Crest of hill, bears N. and S.
	40.00	Point for the 234½ mile cor.
		Set the post 10 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, cap mkd.
		EO 1882 234½ M Navajo 1964
		from which
		A cedar, 12 ins. diam., bears S. 59½° W., 59 links dist., mkd. 234½ M BT
		A pine, 12 ins. diam., bears N. 79½° W., 62 links dist., mkd. 234½ M BT
		Asc. S. slope of hill.
	50.00	S. rim of hill, over nearly level land.
	65.00	Low ridge, slopes N. 75° E.; desc. gentle N. slope through dense cedar.
	77.80	Crest of spur, projects NE.; desc. N. slope.
	80.00	Point for the 235th mile cor.
		Set the post 14 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, cap mkd.
		EO 1882 235 M Navajo 1964
		from which
		A cedar, 14 ins. diam., bears N. $52\frac{1}{2}^{\circ}$ E., 10 links dist., mkd. 235 M BT
		A cedar, 16 ins. diam., bears N. 69½° W., 37 links dist., mkd. 235 M BT
		Corner falls on gentle N. slope.

East Boundary, Hopi Indian Reservation, Arizona

CHAINS	Land, rolling and broken. Soil, rocky.
	Timber, cedar and pine; undergrowth, oakbrush.
	North, along the 236th mile.
	Desc. N. slope of spur.
2.50	Leave sage brush flat; asc. S. slope of ridge.
15.00	Ridge top, bears E. and W.; desc. N. slope through dense timber.
36.00	Wash, 30 links wide, 3 ft. deep, drains W.; asc. gentle S. slope of spur.
37.45	Bladed road, bears irregularly E. and W.
40.00	Point for the 235½ mile cor.
	Set the post 12 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.
	EO 1882 235½ M Navajo 1964
	from which
	A pinon, 14 ins. diam., bears S. 4° E., 43 links dist., mkd. 235½ M BT
	A cedar, 14 ins. diam., bears N. 74° W., 13 links dist., mkd. 235½ M BT
	Corner falls on top of ridge which bears E. and W.
	Desc. N. slope through dense timber and brush.
76.00	Small ravine, drains NE.; asc. gentle S. slope.
80.00	Point for the 236th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 236 M 1964
	from which
	A cedar, 12 ins. diam., bears N. 75° E., 39 links dist., mkd. 236 M BT
	A pinon, 14 ins. diam., bears S. 57° E., 24 links dist., mkd. 236 M BT
	Raise a mound of stone $2\frac{1}{2}$ ft. base, 2 ft. high, N. of the corner.
	Land, gently rolling. Soil, rocky. Timber, dense pine and cedar. Undergrowth, blackbrush, oak brush and sage brush.

160			160
	CHAINS	North, along the 237th mile.	
	10.00	Spur, projects E.; desc. N. slope through dense cedar and pinon.	
	27.90	Wash, 30 links wide, 6 ft. deep, drains irregularly NE.	
	29.10	Wash, 30 links wide, 4 ft. deep, drains NE.; desc. along NE. slope near W. edge of small valley.	
	40.00	Point for the $236\frac{1}{2}$ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 Navajo 236½ M 1964	
		from which	
		A cedar, 18 ins. diam., bears N. 53° W., 94 links dist., mkd. 236½ M BT	
		Only bearing tree available.	
		Desc. along rolling E. slope of spur.	
	49.00	Large ravine, drains NW.; asc. along steep SW. slope of spur.	
	60.50	Spur, bears irregularly E. and W.; desc. along W. slope	
	80.00	Point for the 237th mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 237 M 1964	
		from which	
		A cedar, 12 ins. diam., bears S. $35\frac{1}{4}^{\circ}$ E., 31 links dist., mkd. EO 1882 237 M BT	
		A pinon, 20 ins. diam., bears N. 35° W., 55 links dist., mkd. 237 M BT	
		Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the corner.	
		Land, rolling. Soil, rocky. Timber, pine and cedar. Undergrowth, blackbrush and sage brush.	
		North, along the 238th mile.	
	6.50	Leave timber, desc. along W. slope.	
	11.30	Wash, 15 links wide, 3 ft. deep, drains SW.	
	15.00	Enter into timber, asc. S. slope of spur.	

BOOK 4747

East Boundary, Hopi Indian Reservation, Arizona 161.

39.00 Spur, slopes S. 15° E.  40.00 Point for the 237½ mile cor.  Set the post 24 ins. in the ground, cap mkd.  EO 1882 Navajo 237½ M 1964  from which	
40.00 Point for the 237½ mile cor.  Set the post 24 ins. in the ground, cap mkd.  EO 1882   Navajo 237½ M 1964	
Set the post 24 ins. in the ground, cap mkd.  EO 1882   Navajo 237½ M 1964	
EO 1882 Navajo 237½ M 1964	Ī
from which	
A cedar, 6 ins. diam., bears S. 22° E., 51 links dist., mkd. 237½ M BT	
A pine, 10 ins. diam., bears N. $62\frac{1}{2}$ W., 55 links dist., mkd. $237\frac{1}{2}$ M BT	
41.00 Desc. N. slope of spur.	
54.00 Leave dense timber.	
54.50 Draw, drains N. 35° W.; asc. along broken W. slope.	
80.00 Point for the 238th mile cor.	
Set the post 10 ins. in the ground to bedrock and in a mound of stone, $3\frac{1}{2}$ ft. base to top, cap mkd.	
EO 1882 238 M Navajo 1964	
from which	
A pine, 14 ins. diam., bears N. 59½° E., 42 links dist., mkd. 238 M BT	
A pine, 24 ins. diam., bears N. 25° W., 43 links dist., mkd. EO 1882 M BT	
Corner falls on SW. slope of hill.	
Land, rolling. Soil, rocky. Timber, pine and cedar. Undergrowth, sage brush and cacti.	
North, along the 239th mile.	
Asc. SW. slope of spur.	
3.00 Crest of spur, slopes W.; desc. rocky NW. slope.	
7.00 Draw, drains S. 60° W.; desc. SE. slope.	
. 22.00 Crest of spur, slopes S. 35° W.; desc. along NW. slope.	
29.00 Draw, drains SW.; asc. along SW. slope.	
40.00 Point for the $238\frac{1}{2}$ mile cor.	
Set the post 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base to top, cap mkd.	

CHAINS	
	EO 1882 238½ M Navajo 1964
	from which
	A pine, 6 ins. diam., bears S. 25° W., 66 links dist., mkd. 238½ M BT
	A cedar, 12 ins. diam., bears S. $70\frac{1}{2}^{\circ}$ W., 56 links dist., mkd. $238\frac{1}{2}$ M BT
	Corner falls on broken SW. slope of ridge.
42.40	Crest of ridge, bears NE. and SW.; desc. NW. slope of ridge.
50.00	Draw, drains SW.; asc. SW. slope of ridge.
53.00	Crest of high ridge, bears E. and W.; desc. NW. slope through dense timber.
80.00	Point for the 239th mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 239 M Navajo 1964
	from which
	A cedar, 8 ins. diam., bears N. 5° E., 27 links dist., mkd. 239 M BT
	A pine, 12 ins. diam., bears N. 80° W., 37 links dist., mkd. 239 M BT
	Corner falls on NW. slope of ridge.
	Land, rolling. Soil, rocky. Timber, cedar and pine; undergrowth, sage brush.
	North, along the 240th mile.
	Continue desc. NW. slope of ridge.
8.00	Wash, 10 links wide, 2 ft. deep, drains W., along S. slope.
40.00	Point for the $239\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 239 <sub>2 M</sub> Navajo 1964
	from which
	A pine, 4 ins. diam., bears N. 46° E., 33 links dist., mkd. X BT
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-		East Boundary, Hopi Indian Reservation, Arizona 163.	
	CHAINS	A cedar, 12 ins. diam., bears S. 45° W., 4 links dist., mkd. EO 1882 239½ M BT	
· ·		A pine, 6 ins. diam., bears N. 12° W., 25 links dist., mkd. 239½ M BT	
		Corner falls on S. slope of hill.	
•		Cont. asc. of S. slope.	
	58.00	Top of hill, desc. along NW. slope through dense timber.	
	74.10	Rock ledge, 10 ft. high, bears S. 20° W. and N. 20° E.; desc. along NW. slope.	
	80.00	Point for the 240th mile cor.	
	·	Set the post 20 ins. in the ground and in a collar of stone to top, cap mkd.	
		EO 1882 Navajo 240 M 1964	
		from which	
		A pine, 10 ins. diam., bears N. 23½° E., 77 links dist., mkd. 240 M BT	
	-	A pine, 8 ins. diam., bears N. 8° W., 64 links dist., mkd. 240 M BT	
		Corner falls on NW. slope mesa.	
		Land, rolling. Soil, rocky. Timber, cedar and pine; undergrowth, sagebrush.	
		North, along the 241st mile.	
		Desc. NW. slope of mesa, through dense timber.	
	30.00	Enter valley floor, over gently rolling land.	
	39.00	Oraibi Wash, 20 links wide, 2 ft. deep, drains irregularly W.	
	40.00	Point for the $240\frac{1}{2}$ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
, • -		EO 1882 240½ M 1964	
		Raise a small mound of stone N. of the corner.	
:	50.80	Bladed road, bears N. 80° W. and S. 80° E.	
	54.60	Leave valley floor, asc. S. slope through moderate growth of timber.	
	80.00	Point for the 241st mile cor.	

East Boundary, Hopi Indian Reservation, Arizona

164		East Boundary, Hopi Indian Reservation, Arizona 10
	CHAINS	Set the post 24 ins. in the ground, cap mkd.
		EO 1882 241 M 1964
		from which
		A pine, 8 ins. diam., bears S. 17½° E., 71 links dist., mkd. 241 M BT
		A pine, 10 ins. diam., bears S. 77° W., 40 links dist., mkd. 241 M BT
	· .	NW. corner of hogan, bears S. 87½° E., 522 links dist.
		Corner falls on SE. slope of mesa.
		Land, rolling and broken. Soil, rocky.
		Timber, cedar and pine. Undergrowth, sage brush and grasses.
		North, along the 242nd mile.
		Continue asc. steep SE. slope of mesa.
:	1.50	Small draw, drains E.
	24.20	Crest of saddle in small ridge, bears NE. and SW.; desc. rocky NW. slope.
	39.30	Point selected as witness cor. for the $241\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd. WC
		EO 1882 241½ M 1964
		from which
		A pine, 14 ins. diam., bears S. 37½° E., 20 links dist., mkd. WC 241½ M BT
		A cedar, 12 ins. diam., bears S. 41½° W., 49 links dist., mkd. WC 241½ M BT
	40.00	True point for the $241\frac{1}{2}$ mile cor. falls in unsuitable place for monumentation.
		Cont. desc. NW. slope.
	71.00	Enter valley floor, leave timbered area.
	79.50	Wash, 30 links wide, 2 ft. deep, drains SW. into Oraibi Wash.
	80.00	Point for the 242nd mile cor.
		Set the post 24 ins. in the ground, cap mkd.
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CHAINS	East Boundary, Hopi Indian Reservation, Arizona
	EO 1882 Navajo
	242 M Navajo 1964
	Corner falls on nearly level land.
	Land, rolling.
	Soil, rocky. Timber, cedar and pine; undergrowth, sagebrush, cacti.
	North, along the 243rd mile.
8.00	Edge of valley floor, bears NE. and SW.; asc. S. slope.
40.00	Point for the $242\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 242½ M Navajo 1964
	Corner falls on S. slope.
45.40	Rim of mesa; asc. gradually through dense timber.
55.80	Crest of spur on mesa top, projects SE.; desc. NE. slope
72.00	Draw, drains E.; asc. SW. slope of mesa.
80.00	Point for the 243rd mile cor.
	Set the post 12 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.
	EO 1882 243 M Navajo 1964
	Corner falls on SW. slope.
	Land, rolling. Soil, sandy and rocky. Timber, cedar and pine; undergrowth, sagebrush and cacti
	North, along the 244th mile.
	Continue asc. SW. slope of mesa.
16.00	Crest of ridge, bears NE. and SW.; desc. steep NE. slope.
25.00	Draw, drains E.; asc. SE. slope of ridge.
40.00	Point for the 243½ mile cor.
	Set the post 15 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.
	EO 1882 243½ M Navajo 1964

P		Table Boundary, hope Indian Reservation, Arrizona 100
	CHAINS	from which
		A pine, 12 ins. diam., bears S. $74\frac{1}{4}$ ° W.,
		24 links dist., mkd. 243½ M BT
		A pine, 6 ins. diam., bears N. $53\frac{1}{2}^{\circ}$ W., 10 links dist., mkd. $243\frac{1}{2}$ M BT
		Asc. SE. slope.
	43.10	Escarpment, bears NW. and SE.; cont. gentle asc.
	47.00	Top of ridge, bears E. and W.; desc. N. slope.
	75.00	Rim of canyon, bears E. and W.; asc. SW. slope. canyon approximately 200 ft. deep.
	80.00	Point for the 244th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 244 M Navajo 1964
		from which
		A yellow pine, 12 ins. diam., bears S. 19½° E. 43 links dist., mkd. 244 M BT
		A red pine, 14 ins. diam., bears N. 19° W., 76 links dist., mkd. 244 M BT
		Land, rolling. Soil, rocky. Timber, pine and cedar. Undergrowth, sagebrush and cacti.
		North, along the 245th mile.
		Asc. SW. slope of ridge.
	15.30	Ridge top, bears NE. and SW.; over series of low hills.
	40.00	Point for the $244\frac{1}{2}$ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 244½ M Navajo 1964
		from which
		A cedar, 12 ins. diam., bears S. 34° E., 45 links dist., mkd. 244½ M BT
		A yellow pine, 14 ins. diam., bears S. 65° W., 43 links dist., mkd. $244\frac{1}{2}$ M BT
		Continue through dense timber, over gently rolling land.
	79.40	Small draw, drains E.
į	80.00	Point for the 245th mile cor.
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CHAINS			
	Set the post 10 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, cap mkd.		
	EO 1882 245 M Navajo 1964		
	from which		
	A red pine, 16 ins. diam., bears S. 72½° E., 43 links dist., mkd. 245 M BT		
	A red pine, 16 ins. diam., bears S. $2\frac{1}{2}^{\circ}$ W., 53 links dist., mkd. 245 M BT		
	Land, rolling. Soil, rocky. Timber, dense pine, cedar and juniper. Undergrowth, sagebrush, grasses and cliff rose.		
	North, along the 246th mile.		
	Asc. along broken E. slope.		
40.00	Point for the 245½ mile cor.		
	Set the post 24 ins. in the ground, cap mkd.		
	EO 1882 245½ M Navajo 1964		
	from which		
	A ponderosa pine, 15 ins. diam., bears S. 24°45'. W., 25 links dist., mkd. 245½ M BT		
.	A ponderosa pine, 20 ins. diam., bears N. $35\frac{1}{2}^{\circ}$ W., 65 links dist., mkd. $245\frac{1}{2}$ M BT		
	United States Coast and Geodetic Triangulation Station ROUGH ROCK hereinbefore described, bears N. 85°06'10" E., 166.14 chains dist.		
	Corner falls on steep E. slope, 20 links W. of a small draw.		
45.30	Draw, drains S.; asc. along E. slope.		
78.00	Draw, drains W.; over gently rolling land, through dense timber and sparse undergrowth.		
80.00	Point for the 246th mile cor.		
	Set the post 8 ins. in the ground to bedrock and in a collar of stone, $3\frac{1}{2}$ ft. base to top, cap mkd.		
	EO 1882 246 M Navajo 1964		
	from which		
	A pinon, 8 ins. diam., bears S. 22° E., 23 links dist., mkd. 246 M BT		

East	Boundary.	Hopi	Indian	Reservation,	Arizona
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	CHAINS	A pinon, 10 ins. diam., bears N. 88½° W., 38 links dist., mkd. 246 M BT	
	•	Corner falls on S. slope of mesa.	
		Land, gently rolling. Soil, rocky. Timber, pine and cedar; undergrowth, sagebrush and cacti.	
		North, along the 247th mile.	
:		Asc. gentle S. slope of mesa.	
	4.40	Crest of small spur, slopes W.; desc. steep N. slope.	
	13.90	Wash, 30 links wide, 6 ft. deep, drains S. 75° W.; asc. S. slope.	
	40.00	Point for the 246½ mile cor.	
		Set the post 18 ins. in the ground to bedrock and in a collar of stone, 3 ft. base to top, cap mkd.	
		EO 1882 246½ M Navajo 1964	
		Corner falls on gentle S. slope of mesa.	
	42.10	Crest of ridge, bears NE. and SW.; desc. gentle N. slope.	
	67.00	N. rim of a finger of Black Mesa; rim bears E. and NW.; desc. very steep N. rim. Distance by triangulation.	
	80.00	Point for the 247th mile cor. falls on vertical N. wall of Black Mesa where it is impossible to monument this position. Mile post 247 not monumented.	
		Land, rolling S 1/2 mile, mountainous N 1/2 mile. Soil, rocky. Timber, dense cedar and pine; undergrowth, sagebrush.	
		North, along the 248th mile.	
		Cont. desc. over N. slope of Black Mesa.	
	31.00	End major desc.; over rolling and broken land.	
	40.00	Point for the 247½ mile cor.	
		Set the post 24 ins. in the ground, cap mkd.	
		EO 1882 247½ M Navajo 1964	
		Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of the corner.	
		No bearing trees available.	

East Boundary, Hopi Indian	Reservation,	Arizona	169.
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	<b>CHAINS</b> 56.00	Head of wash, drains irregularly E.
	80.00	Point for the 248th mile cor.
	80.00	
		Set the post 22 ins. in the ground and in a collar of stone to top, cap mkd.
		EO 1882 248 M Navajo 1964
		from which
		A cedar, 8 ins. diam., bears S. $55\frac{1}{4}^{\circ}$ W., 33 links dist., mkd. 248 M BT
	,	Only bearing tree available.
		Land, rolling and mountainous.
		Soil, rocky. Timber, scattered cedar and pine. Undergrowth, sagebrush, mormon tea and greasewood.
		North, along the 249th mile.
	3.20	Wash, 10 links wide, 2 ft. deep, drains NE.
	24.50	Rocky ledge, bears NE. and SW.; desc. along W. slope.
	40.00	Point for the 248½ mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 248½ M Navajo 1964
		from which
		A pinon, 10 ins. diam., bears N. 80½° W., 48 links dist., mkd. 248½ M BT
		Only bearing tree available.
	•	Corner falls on steep W. slope of hill.
	55.50	Wash, 15 links wide, 2 ft. deep, drains N. 30° E.
	57.25	Top of large sandstone boulder.
	61.30	Wash, 20 links wide, 2 ft. deep, drains E.; asc. gentle SE. slope through dense undergrowth.
	80.00	Point for the 249th mile cor.
		Set the post 24 ins. in the ground, cap mkd.
		EO 1882 249 M Navajo 1964
		from which
		A pinon, 8 ins. diam., bears S. 9° W., 75 links dist., mkd. 249 M BT
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	Hast boundary, nopi indian Reservation, Arizona 1/0
CHAINS	
	A cedar, 12 ins. diam., bears N. 59° W., 8 links dist., mkd. 249 M BT
	Corner falls on gentle SE. slope.
	Land, gently rolling. Soil, rocky and sandy. Timber, oak, pinon and cedar. Undergrowth, oakbrush, sagebrush and cacti.
	North, along the 250th mile.
.30	Small wash, drains NE.
38.70	Track road, bears NW. and SE.
40.00	Point for the $249\frac{1}{2}$ mile cor.
	Set the post 24 ins. in the ground, cap mkd.
	EO 1882 259½ M Navajo 1964
	from which
	A pine, 6 ins. diam., bears S. 74° E., 15 links dist., mkd. 249½ M BT
	A cedar, 6 ins. diam., bears S. 5° E., 23 links dist., mkd. 249½ M BT
	Corner falls 20 links W. of small wash.
44.80	Small wash described above, drains irregularly N.
54.00	Leave cedar trees, enter nearly level land.
75.28	The Northeast corner of the Hopi Indian Reservation, hereinbefore described.
	Land, gently rolling S 1/2 mile, nearly level N 1/2 mile. Soil, sandy. Timber, scattered cedar and pine; undergrowth, sagebrush.
	General Description
	The Hopi Indian Reservation Boundary has a perimeter of nearly 250 miles, consequently the land, soil, timber and vegetation varies considerably. The elevation ranges from 7600 feet above sea level near the northeast corner of the reservation to approximately 5000 feet above sea level along the south boundary.
	Almost half of the reservation lies on a high plateau called Black Mesa. The Black Mesa portion is covered with many deep canyons, sandstone ledges and is heavily timbered. Most of the timber is pinon and cedar though there are large stands of ponderosa pine along the east boundary.

#### CHAINS

Land of the northeast and east areas varies from rolling to mountainous. The soil is rocky. General terrain around the west and south boundaries is nearly level, soil being sandy.

There are many large washes draining the reservation. Among the larger ones are Begashibito, Moenkopi, Dinnebito, Oraibi, Wepo and Polacca. All these washes drain southwesterly toward the Little Colorado River. There are no large lakes on the reservation, only manmade stock ponds. There are also many wells scattered throughout the reservation for stock and domestic use.

Presently there are several petroleum companies exploring the reservation for oil and natural gas. There are also large deposits of coal on Black Mesa, one area being developed by Peabody Coal Company.

Three major highways afford access to the reservation: State Highway No. 264 crosses the entire reservation, entering east of Tuba City and leaving east of Keams Canyon. State Highway No. 64 crosses the northwest portion and State Highway No. 77 leads from Holbrook, Arizona, and goes northerly to a highway junction a few miles south of Keams Canyon. Besides these three black-top highways there are hundreds of other roads, varying from well-maintained Agency roads to nothing more than track roads leading to individual hogans.

Due to the mountainous terrain and lack of access routes onto Black Mesa about 50 miles of the boundary line was surveyed with the assistance of a helicopter. Each time the reservation boundary crossed a major road, the survey line was witnessed by setting a regulation iron post in a concrete form shaped as a frustum of a cone, 6 inches upper diameter, 18 inches lower diameter, 30 inches long. The four corners of the reservation were also monumented with this type of form. Due to the weight of these monuments, all were constructed at the selected site.

By this survey, the reservation embraces 2,472,095 acres.

Form 4-680 (June 1963)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

#### FIELD ASSISTANTS

NAMES	CAPACITY
Daniel R. Bauer	Tellurometer Operator
Joseph M. Barvinchak	Axeman
Wilfred Carl	Axeman
Larry L. Carson	Axeman
Kenneth W. Chilcoat	Axeman
Emmett D. Dalton	F1agman
Larry D. Gano	Tellurometer Operator
Henry A. Guerrero	Cornerman
David B. Hill	Chainman
Robert L. Johnson	Crew Chief - Instrumentman
Mark J. Koester	Cornerman
Charles J. Kriz	Tellurometer Operator
Walter J. Larsen	Cornerman
Orrin V. Lee	Axeman
Michael R. Macchione	Axeman
Walter L. Mitchell	Flagman
Wallace R. Ott	Crew Chief - Instrumentman
Lyman W. Polacca	Notekeeper
Marvin J. Porter	Notekeeper
Frank W. Rogers	Crew Chief - Instrumentman
Gary W. Rutledge	Notekeepr
David L. Sakiestewa	Chainman
Larry D. Shelton	Flagman
Keith W. Smith	Flagman
Donald E. Stucker	Tellurometer Operator
Max J. Swindle	Chainman
Eugene V. Templeton	Chainman
Dennis L. Twitchell	Notekeeper

CERTIFICATE OF SURVEY Leonard W. Murphy WE, Paul G. Bauer , HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 19 day of February , 19 64, We Ⅺ have surveyed the north, west, south and east boundaries of the Hopi Indian Reservation, also known as Executive Order 1882 Surveys, 35°30' to 36°30' North Latitude, 110°00' to 111°00' West Longitude, Meridian, in the State of , which of-the Arizona are represented in the foregoing field notes as having been executed by xne and under xny 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.

October 16, 1964	Geonard W. Murphy (Cadastral Surveyor)
(Date)	(Cadastral Surveyor)
October 16, 1964	Paul & Bour
(Date)	(Cadastral Surveyor)

#### CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT, Washington, D. C.

The foregoing field notes of the survey of the north, west, south and east boundaries of the Hopi Indian Reservation, also known as Executive Order 1882 Surveys, 35°30' to 36°30' North Latitude, 110°00' to 111°00' West Longitude,

executed by Leonard W. Murphy and Paul G. Bauer, Cadastral Surveyors, having been critically examined and found correct, are hereby approved.

AUG 9 1965	Response	. – (
(Date)	Acting (Chief, Division of Engineering)	\/£\

#### CERTIFICATE OF TRANSCRIPT

LERTIFY That the foregoing transcript	of the field notes of the above-described surveys in
	, is a true copy of the original field notes.
(Date)	(Chief. Division of Engineering)