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# FIELD NOTES

OF THE

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DEPENDENT RESURVEY OF CERTAIN SEGMENTS

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OF THE NORTH AND WEST BOUNDARIES

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OF THE

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FORT APACHE INDIAN RESERVATION

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IN

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TOWNSHIP 8 NORTH, RANGE 23 EAST

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TOWNSHIP 9 NORTH, RANGE 22 EAST

---

(NORTH BOUNDARY)

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AND

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TOWNSHIP 5 NORTH, RANGE 15 EAST

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(WEST BOUNDARY)

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Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

## EXECUTED BY

Marlin G. Livermore II Supervisory Cadastral Surveyor

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Under special instructions dated March 25, 19 70, approved March 26, 1970,

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\_\_\_\_\_, which provided for the surveys included under U.S. Survey/Group  
Number 522, and assignment instructions dated March 25, 19 70.

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Survey commenced April 6, 1970

Survey completed June 15, 1970

BOOK 5015

INDEX DIAGRAM

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Township 8 North, Range 23 East  
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Township 9 North, Range 22 East  
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Township 5 North, Range 15 East  
Mile Corner 34 through Mile Corner 35...pg. 5

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Fort Apache Indian Reservation  
Gila and Salt River Meridian, Arizona

## CHAINS

The following field notes are those of the dependent resurvey of certain segments of the north and west boundaries of the Fort Apache Indian Reservation in Township 8 North, Range 23 East, Township 9 North, Range 22 East, (north boundary), and Township 5 North, Range 15 East, (west boundary), Gila and Salt River Meridian, Arizona.

The north boundary of what is now known as the Fort Apache Indian Reservation was originally surveyed as the north boundary of the White Mountain Indian Reservation by C. H. Wallace, U. S. Deputy Surveyor in 1887. This survey was superseded by a resurvey executed by J. B. Wright, U. S. Surveyor in 1906. A portion of the reservation boundary in Township 8 North, Range 23 East was resurveyed by Marlin G. Livermore II, Cadastral Surveyor, in 1969. The reservation boundary in Township 9 North, Range 22 East was retraced by S. E. Blount, U. S. Surveyor, in 1915. Certain Mile Corners and Angle Points along the north boundary of the Fort Apache Indian Reservation were remonumented by Robert F. Johnson in 1966, Howard H. Thomas in 1968, and John H. Witmer in 1969, all Cadastral Surveyors. The west boundary of the reservation in Township 5 North, Range 15 East was originally surveyed by John C. Smith, U. S. Deputy Surveyor in 1890. Certain Mile Corners were remonumented by John H. Witmer, Cadastral Surveyor, in 1969.

The resurvey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1947, and the Special Instructions dated March 25, 1970.

Prior to restoration of any corners, all pertinent lines of the original survey were retraced and a diligent search was made for any evidence of the original monuments and other calls of the official record. Identified corners were remonumented in their original positions. Lost corners were reestablished at proportionate positions using the Grant Boundary method, but not until exhausting every reasonable possibility of finding direct evidence of the control of each corner. For simplification of the record, only the true line notes are furnished.

The directions of all lines were determined by use of the solar transit and refer to the true meridian. The lines were carried by transit method and confirmed by altitude observations on the sun.

The geographic position of the 47 Mile Corner, identical with Angle Point 287, on the north boundary of the Fort Apache Indian Reservation in Township 8 North, Range 23 East, as determined from the 1961 U. S. Geological Survey "McNary" Arizona, Quadrangle is:

Latitude:  $34^{\circ} 06.3' N$ . Longitude:  $109^{\circ} 55.7' W$ .

The magnetic declination was observed at a number of stations throughout the resurvey and the average of the several readings was found to be  $14^{\circ}$  East.

Dependent Resurvey of a Portion of the North Boundary  
of the Fort Apache Indian Reservation  
Township 8 North, Range 23 East  
Gila and Salt River Meridian, Arizona

CHAINS

Reestablishment of the Resurvey Executed by  
J. B. Wright, U. S. Surveyor, in 1906.

Beginning at Mile Corner 47, identical with Angle Point  
287, which is monumented with an iron post, 2½ ins.  
diam., firmly set, with 6 ins. projecting above the  
ground, in a collar of stone, as described in the 1968  
remonumentation field note record, with brass cap mkd.

T8N R23E  
S 8

AP 287  
47 M  
FAIR

1968

Substantiated by the remains of the original bearing  
trees:

An oak stump, 6 ins. diam., bears N. 69° E., 27  
lks. dist., faint scribe marks.

A pine, 18 ins. diam., bears S. 25° W., 102 lks.  
dist., scribe marks burned out.

Stump hole, bears S. 40½° W., 82 lks. dist.

and 1968 remonumentation bearing tree:

A pine, 10 ins. diam., bears S. 20° E., 26 lks.  
dist., mkd. 47M FAIR BT.

N. 62° 23' W.

Over rolling land, through pine timber.

7.10 Angle Point 288, determined by the remains of the original  
tree corner, a stump hole. This point has been remon-  
umented by a local surveyor, (License No. 5047), with a  
steel reinforcing rod, 1 in. diam., firmly set, projecting  
6 ins. above the ground, with brass cap, 1½ ins. diam.,  
mkd. WMIR AP288 5047.

At the corner point

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in  
the ground, over the private survey monument, with brass  
cap mkd.

T8N R23E  
S 8  
AP 288  
FAIR

1970

from which

Dependent Resurvey of a Portion of the North Boundary  
of the Fort Apache Indian Reservation  
Township 8 North, Range 23 East  
Gila and Salt River Meridian, Arizona

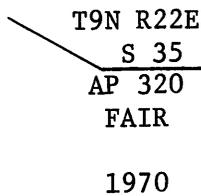
CHAINS	
26.31	<p>A pine, 8 ins. diam., bears S. <math>72\frac{1}{2}^{\circ}</math> W., 46 lks. dist., mkd. AP288 FAIR BT.</p> <p>Raise a mound of stone, 3 ft. base, 2 ft. high, S. of the corner.</p> <hr/> <p>N. <math>39^{\circ} 48'</math> W., beginning new measurement.</p> <p>Angle Point 289, monumented with a 60d nail in the remains of the original corner, a pine stump, referenced as described in the 1970 remonumentation field notes executed concurrently with this group.</p>
	<p>Dependent Resurvey of a Portion of the North Boundary of the Forth Apache Indian Reservation Township 9 North, Range 22 East Gila and Salt River Meridian, Arizona</p>
13.83	<p>Reestablishment of the Resurvey Executed by J. B. Wright, U. S. Surveyor, in 1906.</p> <hr/> <p>From the 52 Mile Corner, identical with Angle Point 319, which is monumented with an iron post, <math>2\frac{1}{2}</math> ins. diam., firmly set, projecting 6 ins. above the ground, as described in the 1968 remonumentation field note record, with brass cap mkd.</p> <p style="text-align: center;">T9N R22E S 35 <u>AP 319</u> 52 M FAIR</p> <p style="text-align: center;">1968</p> <p>Substantiated by the remains of the original bearing trees:</p> <p>A pine stump, 15 ins. diam., bears S. <math>54\frac{1}{2}^{\circ}</math> E., 56 lks. dist., mkd. R52 BT.</p> <p>A pine, 15 ins. diam., bears S. <math>44^{\circ}</math> E., 71 lks. dist., mkd. NBWMIR 52M BT.</p> <p>A pine, 23 ins. diam., bears South, 105 lks. dist., mkd. NBWMIR 52M BT.</p> <p>An oak, 12 ins. diam., bears S. <math>74^{\circ}</math> W., 81 lks. dist., with an over grown blaze.</p> <p>S. <math>88^{\circ} 11'</math> W.</p> <p>Over rolling terrain, through pine timber.</p> <p>Angle Point 320, determined by the remains of the original tree corner, a stump hole, substantiated by a locally established monument, a sandstone, 14x12x8 ins., firmly set, projecting 6 ins. above the ground, in the stump hole, with a cross, (+) chiseled on top.</p>

Dependent Resurvey of a Portion of the North Boundary  
of the Fort Apache Indian Reservation  
Township 9 North, Range 22 East  
Gila and Salt River Meridian, Arizona

CHAINS

At the corner point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.



from which

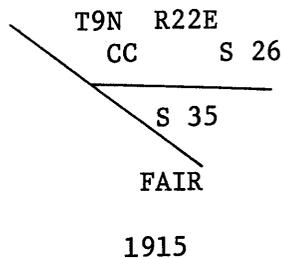
A pine, 12 ins. diam., bears S. 45 3/4° W., 108 lks. dist., mkd. AP320 FAIR BT.

A pine, 8 ins. diam., bears S. 9¼° W., 25 lks. dist., mkd. AP320 FAIR BT.

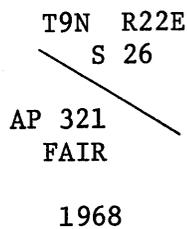
Deposit the old corner stone alongside the corner.

N. 60° 15' W., beginning new measurement.

7.58 The closing corner of secs. 26 and 35, an iron post, 2 ins. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd.



10.01 Angle Point 321, monumented with an iron post, 2½ ins. diam., firmly set, projecting 4 ins. above the ground, as described in the 1968 remonumentation field note record, with brass cap mkd.



Substantiated by the 1968 remonumentation bearing trees:

An alligator juniper, 8 ins. diam., bears S. 78° E., 47 lks. dist., mkd. AP321 BT.

A pine, 14 ins. diam., bears N. 83° W., 68 lks. dist., mkd. AP321 FAIR BT.

Corner is set 3 lks. S. of a fence bearing SE. and NW.

Dependent Resurvey of a Portion of the West Boundary of  
the Fort Apache Indian Reservation  
Township 5 North, Range 15 East, (Unsurveyed)  
Gila and Salt River Meridian, Arizona

## CHAINS

Reestablishment of the Survey Executed by  
John G. Smith, U. S. Deputy Surveyor, in 1890.

From the 34 Mile Corner, an iron post,  $2\frac{1}{2}$  ins. diam., firmly set, projecting 10 ins. above the ground, in a mound of stone, 3 ft. base to top, and a mound of stone, 4 ft. base, 3 ft. high, W., as described in the 1969 remonumentation notes, with brass cap mkd.

\ FAIR  
34 M  
1969

S.  $12^{\circ} 15'$  E., along the 35 Mile.

Over broken hills, through scattered cedar and pinon.

40.47 The  $34\frac{1}{2}$  Mile Corner, monumented with a granite stone,  $12 \times 12 \times 10$  ins., loosely set, projecting 8 ins. above the ground, no mks. visible, (record, a conglomerate rock,  $13 \times 13 \times 13$  ins.).

At the corner point

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 26 ins. in the ground, with brass cap mkd.

\ FAIR  
34½ M  
1970  
TNF

from which

A cedar, 8 ins. diam., bears N.  $21^{\circ}$  E., 119 lks. dist., mkd. FAIR  $34\frac{1}{2}$  M BT.

Deposit the granite stone alongside and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, E. of the corner.

Corner is situated 208 lks. W. of fence, bearing N. and S.

S.  $12^{\circ} 23'$  E., beginning new measurement.

40.01 The 35 Mile Corner, monumented with an iron post,  $2\frac{1}{2}$  ins. diam., firmly set, projecting 4 ins. above the ground, mkd. and witnessed as described in the 1970 remonumentation notes of the unsurveyed portion of Township 5 North, Range 15 East, executed concurrently with this group.

General Description

The north boundary of the Fort Apache Indian Reservation follows the divide or watershed between the head waters of the Salt and Little Colorado Rivers, which is generally

## General Description

CHAINS		
	<p>referred to as the "Mogollon Rim". The east end of the boundary begins in the White Mountains, following the divide over Mt. Blanca, the second highest peak in Arizona. From Mt. Blanca Peak, the boundary descends through pine, fir, and spruce timber toward the Mogollon Rim. As the boundary intersects the Mesa Rim, it meanders over rolling country, through pine and aspen timber, gradually descending into juniper and cedar timber along the western portion of the boundary. The west boundary starts on the rim and descends toward the Salt River, and mountainous desert terrain.</p> <p>There is a graded road that generally follows the north boundary all the way along the mesa top. Access to the west boundary is through numerous trail roads in the area.</p> <p>Timber is a major industry in this area along with cattle and sheep ranching. Recently the area along the eastern portion of the boundary has become a major resort area in Arizona.</p>	



CERTIFICATE OF SURVEY

(I) ~~(XX)~~, Marlin G. Livermore II, HEREBY

CERTIFY upon honor that, in pursuance of special instructions bearing date of the 25th day

of March, 1970, (I) ~~(XX)~~ have dependently resurveyed certain segments of the north and west boundaries of the Fort Apache Indian Reservation in Township 8 North, Range 23 East, Township 9 North, Range 22 East, (north boundary), and Township 5 North, Range 15 East, (west boundary),

of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by (me), ~~(XX)~~ and under (my) ~~(XX)~~ 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.

November 4, 1975 (Date) Marlin G. Livermore II (Cadastral Surveyor)  
Marlin G. Livermore II

\_\_\_\_\_  
(Date) (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

SUBMITTED FOR APPROVAL  
Date NOV 6 1975

BUREAU OF LAND MANAGEMENT  
Washington, D.C.

The foregoing field notes of the dependent resurvey of certain segments of the north and west boundaries of the Fort Apache Indian Reservation in Township 8 North, Range 23 East, Township 9 North, Range 22 East, (north boundary), and Township 5 North, Range 15 East, (west boundary), Gila and Salt River Meridian, Arizona.

executed by Marlin G. Livermore II  
Supervisory Cadastral Surveyor  
having been critically examined and found correct, are hereby approved.

APR 15 1976 (Date) Bernard W. F. [Signature] (Chief, Division of Cadastral Survey)

CERTIFICATE OF TRANSCRIPT

I CERTIFY 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 Cadastral Survey) GPO 849-626