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JUL 08 1986

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1976
FIELD CHECKED 1978. MAP EDITED 1978
PROJECTION TRANSVERSE MERCATOR
GRID 1000-METER UNIVERSAL TRANSVERSE MERCATOR ZONE 12
10,000-FOOT STATE GRID TICKS ARIZ. E.ZONE N.MEX. W.ZONE
UTM GRID DECLINATION 1103 EAST
1980 MAGNETIC NORTH DECLINATION 13 EAST
VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM 1927 NORTH AMERICAN DATUM
To place on the predicted North American Datum of 1983,
move the projection lines as shown by dashed corner ticks
(1 meter north / 58 meters east)
There may be private inholdings within the boundaries of any
Federal and State Reservations shown on this map
Land lines have not been established
or are not shown because of insufficient data

PROVISIONAL MAP
Produced from original
manuscript drawings. Informa-
tion shown as of date of
field check 3

SCALE 1:24 000
1 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 5 10 KILOMETER
CONTOUR INTERVAL 40 FEET
To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by 0.3048
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

ROAD LEGEND
Improved Road.....
Unimproved Road.....
Trail.....
Interstate Route U.S. Route State Route
QUADRANGLE LOCATION
ARIZONA
ADJACENT 7.5 QUADRANGLE NAMES
1 2 3 1 Lukachukai
2 2 Tsaille Butte
3 3 Sanostee West
4 4 Tsail
5 5 Old Pine Spring
6 6 Lower Wheatfields
7 7 Upper Wheatfields
8 8 Toolena
36109-C1-TF-024

TSAILLE BUTTE, ARIZONA—NEW MEXICO
PROVISIONAL EDITION 1982