UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ROOF BUTTE QUADRANGLE
ARIZONA—NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1976
FIELD CHECKED ..... 1978. MAP EDITED 1982
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 ..... 1°09′ 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 (2 meters 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 in this area

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of field check 3

NORTH

SCALE 1:24 000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 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

QUADRANGLE LOCATION

1	2	3	1 Cove 2 Red Rock 3 Mitten Rock 4 Lukachukai 5 Sanostee West 6 Tsaile 7 Tsaile Butte 8 Old Pine Spring
4		5	
6	7	8	

ADJOINING 7.5 QUADRANGLE NAMES

ROAD LEGEND
Improved Road .....
Unimproved Road .....
Trail .....
Interstate Route U.S. Route State Route

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1982

APR 8 1983

ROOF BUTTE, ARIZONA—NEW MEXICO
PROVISIONAL EDITION 1982
36109–D1–TM–024

1900