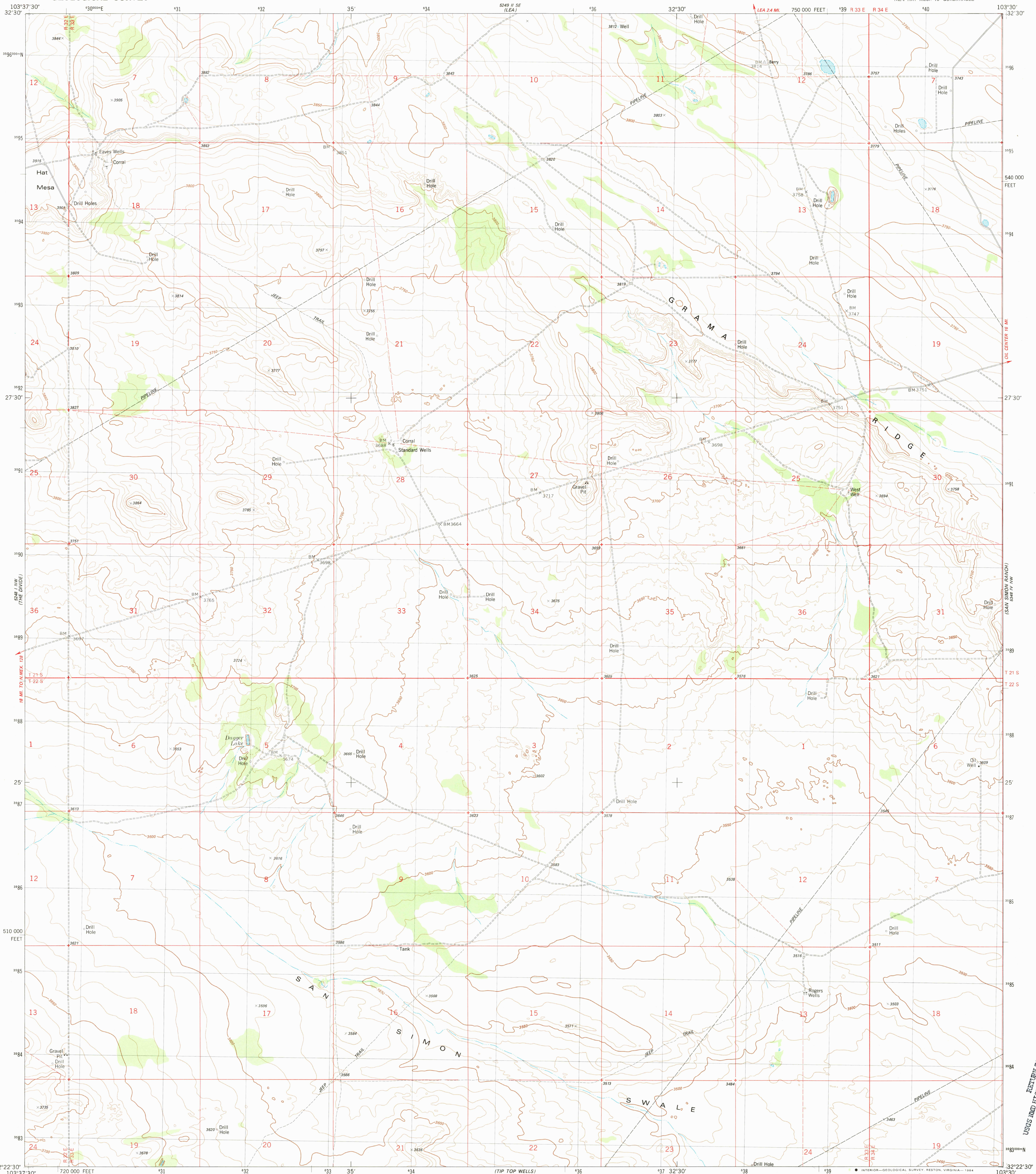


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GRAMA RIDGE QUADRANGLE
NEW MEXICO—LEA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 HAT MESA 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1977. Field checked 1978. Map edited 1984

Projection and 10,000-foot grid ticks: New Mexico coordinate system, east zone (transverse Mercator)

1000-meter Universal Transverse Mercator grid, zone 13

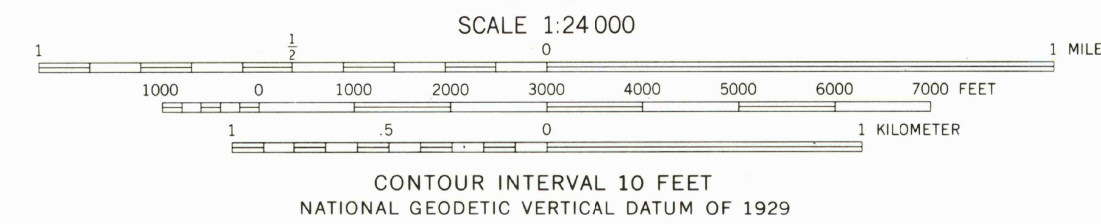
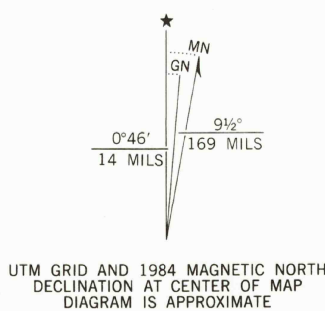
1927 North American Datum

To place on the predicted North American Datum 1983

move the projection lines 9 meters south and

43 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence lines



ROAD CLASSIFICATION	
Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U. S. Route
	State Route

GRAMA RIDGE, N. MEX.
NE/4 HAT MESA 15' QUADRANGLE
32103-05-TF-024

1984

DMA 5248 I NE-SERIES V881

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

RETURN TO:
USGS AND HISTORICAL MAP ARCHIVES
SAN SIMON RANCH
5448 IV NW