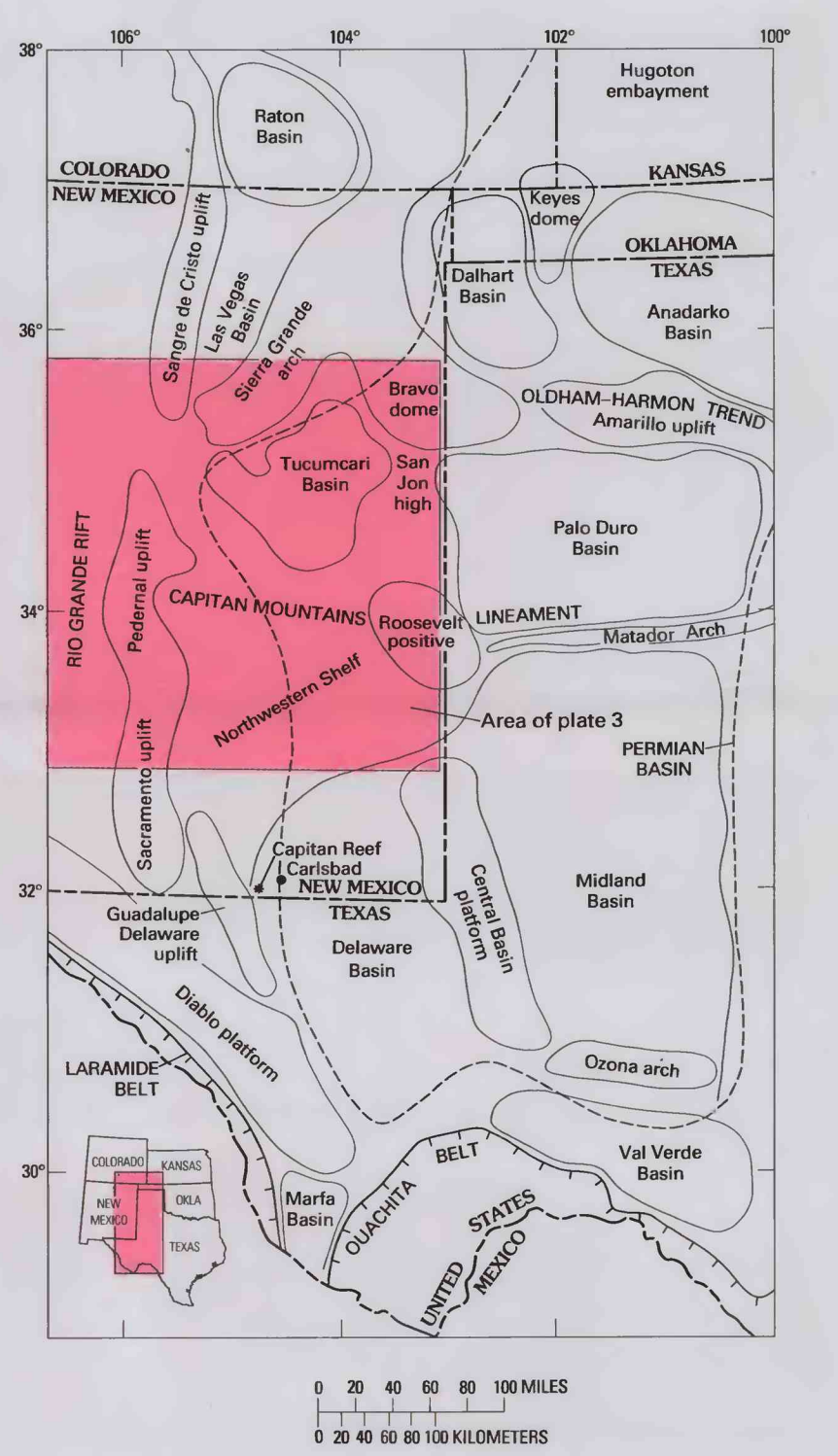


- EXPLANATION**
- Fault—Dashed where approximately located; dotted where concealed. Bar and ball on downthrown side where relative movement known; opposed arrows show relative horizontal movement where known.
 - Structure causing relative movement on the Precambrian basement surface in Tucumcari Basin—Bar and ball on downthrown side where relative movement known.
 - Anticline—Showing direction of plunge where known. Dashed where approximately located; queried where uncertain.
 - Monocline—Dashed where approximately located; queried where uncertain.
 - Basin—Dashed where approximately located.
 - Uplift
 - Tertiary intrusive rocks—Boundary dashed where approximately located.
 - Dike
 - Boreholes penetrating Precambrian basement



Scale 1:500,000
 0 10 20 30 40 50 MILES
 0 10 20 30 40 50 KILOMETERS
 CONTOUR INTERVAL 500 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 1986 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 101° EASTERLY FOR THE CENTER OF THE WEST EDGE TO 91° EASTERLY FOR THE CENTER OF THE EAST EDGE

MAP SHOWING TECTONIC FEATURES OF THE ROSWELL RESOURCE AREA AND VICINITY, NEW MEXICO

Compiled by
Susan Bartsch-Winkler
 1995

Base from U.S. Geological Survey, New Mexico State, 1973
 Lambert conformal conic projection

Modified from New Mexico Geological Society (1982),
 Grant and Foster (1986), and Broadhead (1988)