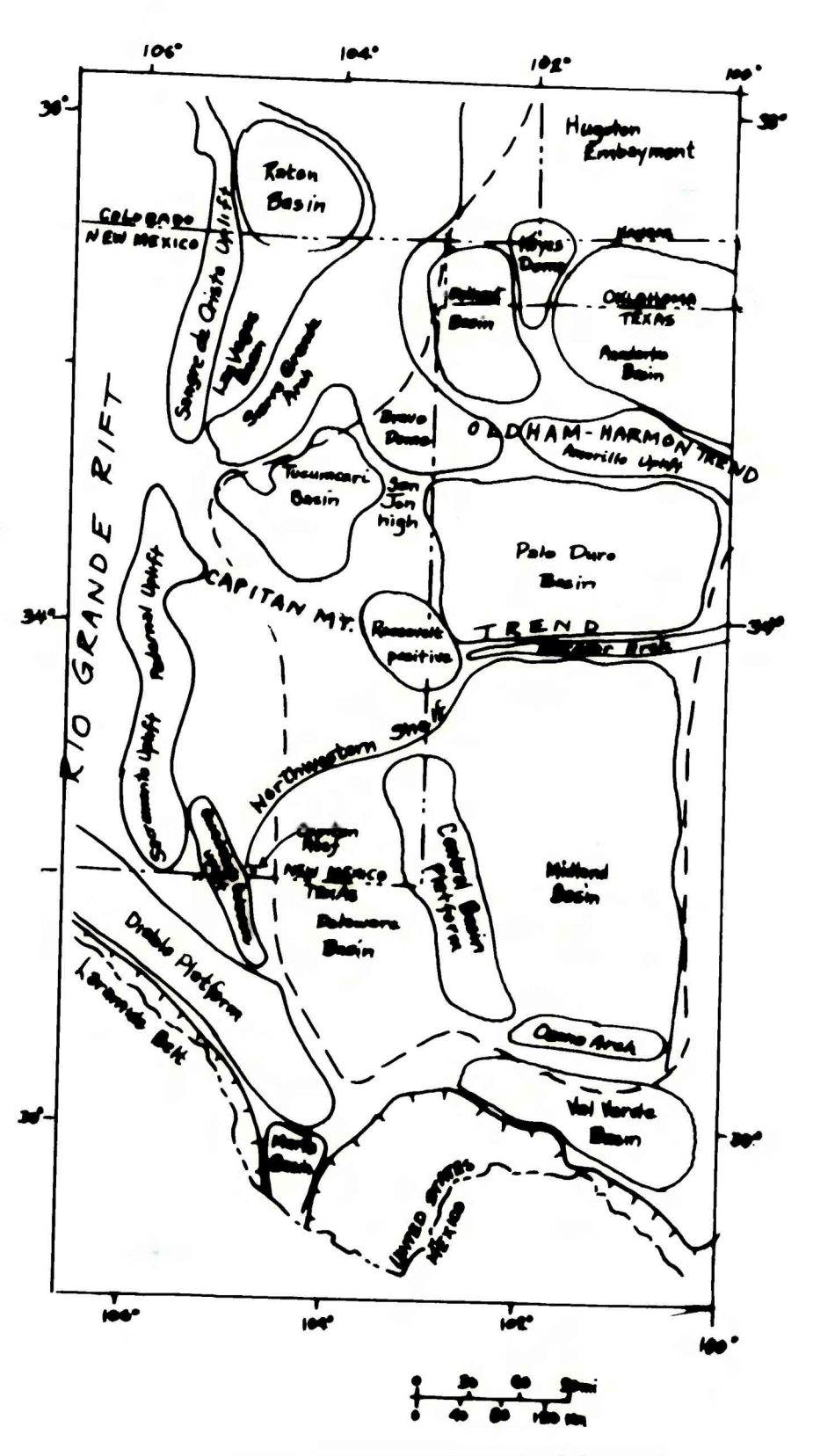


MAP D - Tectonic features of the Roswell Resource Area. Parts of the Northwestern Shelf of the Permian Basin are delineated by the occurrence of halite-bearing units in Permian rocks (McKee and Oriol, 1967) (inset). Major structural features of the Roswell Resource Area include parts of the Northwestern Shelf of the Permian Basin (Bravo Dome, Tucumcari, Palo Duro, and Tatum Basins, and the Delaware Basin south of the Northwestern Shelf) encompassing approximately the eastern half of the study area. Elements of the Ancestral Rocky Mountains include the Sierra Grande uplift, the Pedernal Uplift, and the Bravo Dome (Buchik, 1989) (modified from New Mexico Geological Society, 1982; Grant and Foster, 1988). Structures and relative movement on the Precambrian basement surface of Tucumcari Basin are indicated (from Broadhead, 1989), and Precambrian basement penetrations (open circles) are approximately located. Lincoln County Porphyry Belt includes the zone of Tertiary intrusive rocks, indicated in red. The Tularosa and Estancia basins form the eastern border of the Rio Grande Rift. (Modified from New Mexico Geological Society, 1982; Grant and Foster, 1989)

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1992



This map is preliminary and has not been edited or reviewed for conformity with U.S. Geological Survey editorial standard (or with the North American Stratigraphic Code).