

EXPLANATION

- - - - - APPROXIMATE POSITION OF EXTREME SHELFWARD EDGE OF CAPITAN REEF COMPLEX.
- - - - - BASINAL EDGE OF CAPITAN REEF COMPLEX--Dashed where approximately located.
- 250 - - - LINE OF EQUAL THICKNESS OF SANTA ROSA SANDSTONE--Dashed where approximately located. Interval 50 feet.
- WELL 707 118.8 / 3466 WELL 3466 WELL 707
WELL AND IDENTIFICATION NUMBER--Upper number is water level below land surface, in feet. Lower number is altitude of water level, in feet. R indicates reported measurement. Datum is sea level.
- GENERAL DIRECTION OF GROUND-WATER FLOW IN THE SANTA ROSA SANDSTONE--Arrows represent regional interpretations and do not necessarily fit individual control points.
- APPROXIMATE AREA OF THE SANTA ROSA SANDSTONE.

Base from U.S. Geological Survey
State base maps: New Mexico, 1927;
Texas, 1965.

Position of Capitan Reef Complex
modified from W.L. Hiss (1973 and 1975).

Data modified from A. Nicholson and A. Clebsch (1961), J.B. Brown and others (1965), Core Laboratories, Inc. (1972), and R.P. Snyder (written commun., 1982).

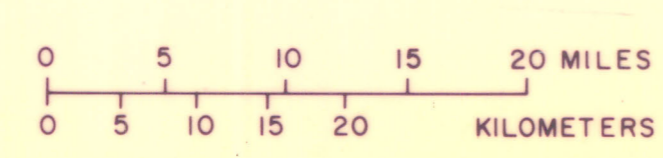


PLATE 4.--MAP SHOWING SELECTED WELLS, WATER LEVELS IN, AND THICKNESS OF THE SANTA ROSA SANDSTONE, TEXAS AND NEW MEXICO.