



EXPLANATION

- SEDIMENTARY ROCKS**
- Recent**
 - Alluvium
 - Pleistocene**
 - Undifferentiated alluvial deposits (Clay, sand, gravel, and silt)
 - Limestone conglomerate
 - UNCONFORMITY**
 - Triassic**
 - Dockum group (Largely red shale and sandstone)
 - Permian**
 - Pecos formation (Partially concealed by gravel in places)
 - Carlsbad limestone (Tongue of the Capitan limestone)
 - UNCONFORMITY (?)
 - Picacho limestone (Partially concealed by gravel in places)
 - IGNEOUS ROCKS**
 - Porphyry dike

Water well (Upper figure is depth in feet to the water level. Lower figure is depth in feet of the well)

Irrigation and artesian data by A. G. Fiedler Base compiled from U. S. Land Office plats, maps by Atchison, Topeka & Santa Fe Ry., State highway maps, maps by county surveyors, and field notes

RECONNAISSANCE GEOLOGIC MAP OF THE EASTERN PART OF THE ROSWELL ARTESIAN BASIN, NEW MEXICO

WILLIAMS & HEINTZ CO., WASH. D. C. Geology by S. S. Nye

