

RECEIVED

DRILLING FLUID PROGRAM

JUN 20 1978

U.S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

0' - 350':

Spud mud AQUAGEL flocculated with lime. Use HY-SEAL as needed for seepage loss of fluid.

Set Surface Casing 13 3/8" @ 350'

350' - 1600'±:

Drill out with fresh water using HY-SEAL for seepage loss of fluid. (The reason for drilling out with fresh water is to protect the Red beds and in turn you will have less hole problems in this zone. Usual procedure is to drill out with fresh water and when you reach the Anhydrite switch to brine water to minimize hole enlargement through the salt section).

1600' - 5100':

At the top of Rustler Anhydrite use saturated brine to maintain and build volume to help reduce hole enlargement through the salt section. Maintain viscosity 32-33 Sec/1000 cc with ZEOGEL. Use HY-SEAL for seepage loss of fluid. The fluid weight will be 10.2-10.5 ppg due to the system being salt saturated. If hole conditions warrant, lower fluid loss to 20 cc or less with IMPERMEX prior to running casing. Use sodium bichromate and SUREFLO H-35 for corrosion inhibition.

 Baroid