

## **DRILLING PROGRAM**

### **FOR NAVAJO REFINING COMPANY'S PROPOSED WDW-2 1980' FNL, 660' FWL of 12-T18S-R27E Eddy County, New Mexico**

1. Obtain all permits and approvals for the reentry, testing and completion of a currently existing well. Construct the lined reserve pits, dig out the cellar, and install a mousehole and rathole.
2. Move in and rig up a workover unit. Remove the pumping equipment and pull the tubing out of the well after tagging the plugged-back total depth (PBSD).
3. Squeeze the perforations from 1446 feet to 1462 feet with 100 sacks of Class "H" cement. Allow the cement to cure.
4. Drill out the cement to PBSD, circulate the well clean, and pressure test the squeezed perforations at 500 psig for 30 minutes.

#### Drilling Fluid

- a. Freshwater-based gel chemical fluid.
  - b. Density range: 8.6 ppg to 9.5 ppg. Requirement for weighting material is not anticipated.
  - c. Viscosity range: 35 sec/qt to 45 sec/qt.
  - d. Pit volumes to be monitored visually.
5. Conduct a CBL/VDL survey from 1912 feet to the surface. Submit the results of the pressure test and CBL/VDL survey to the OCD and the BLM for their review and approval prior to mobilizing the drilling rig.
  6. After receiving approval from the OCD and the BLM to continue the reentry, prepare the location for the selected drilling rig.
  7. Move in and rig up the rotary drilling rig and install the blowout preventers (BOPs).