

General Drilling Procedure for Schulte 1-13R with BMP

Weld on 8-5/8" wellhead, install annular preventer.

Reenter 7-7/8" hole to 7547' and drill new hole to 8700' or Granite Wash.

Set 5-1/2" 17# J or K-55 or higher LT&C casing.

Cement from TD to top of Marmaton (20% excess).

Port Collar 100' below Cheyenne. Cement to 200' above Dakota (13 Centralizers, 2 Cmt Baskets, Port Collar).

8-5/8" Logging Program

Run CBL on the existing 238' of 8-5/8" surface casing.

Run casing inspection log on the surface casing that will show casing thickness.

Pull test surface casing to 30,000 lbs.

Pressure test surface casing to 1000 psi for 15 minutes.

Notify COGCC inspectors 24 hrs in advance to witness all of the above.

7-7/8" Logging Program

Run open-hole resistivity log with Gamma Ray.

Log will be run from total depth into the 8-5/8" surface casing.

5-1/2" Logging Program

Run CBL on 5-1/2" casing.