

13,000 feet to T.D.: Water base drilling fluid conditioned as necessary for control of weight, pH, viscosity, and water-loss. Weight 10.0 to 12.5. pH 9 to 10. Viscosity 34-45. Filtrate 10 to 6.

7. AUXILIARY EQUIPMENT:

Geolograph from surface to total depth.

Mud logging trailer to be in use below 4500 feet.

8. TESTING, LOGGING, AND CORING PROGRAMS:

Drill stem tests will be run when data indicate a test is warranted.

It is planned that electric logs will include GR-CNL-Density logs and GR-DLL logs.

No coring is planned.

9. ABNORMAL PRESSURES, TEMPERATURES, OR HYDROGEN SULFIDE GAS:

Abnormal gas pressure may be present in the Atoka formation. Maximum expected bottom hole pressure is about 10,000 psi.

Bottom hole temperature should be normal. Expected bottom hole temperature is about 190 degrees Fahr.

No hydrogen sulfide gas is expected. However, since it is possible that hydrogen sulfide gas may be present in permeable water zones of the Castile formation and, since there is an existing report of hydrogen sulfide gas in the Bone Springs in this area, drilling operations below the surface casing will be in accordance with the attached "HYDROGEN SULFIDE DRILLING OPERATIONS PLAN" until intermediate casing is set and cemented and these possible sources of hydrogen sulfide gas are cased off.

10. ANTICIPATED STARTING DATE:

Plans are that operations will commence upon approval of this application, with drilling and completion operations lasting about 60 days.