

Mud system monitoring equipment with derrick floor indicators and visual/audio alarms shall be installed and operative prior to drilling into the Wolfcamp formation. This equipment will remain in use until the production casing is run and cemented.

Monitoring equipment shall consist of the following:

- 1) A recording pit level indicator.
 - 2) A pit volume totalizer.
 - 3) A flowline sensor.
13. Testing, Logging and Coring Program:
- A. Testing program: No DST's are anticipated.
 - B. Mud logging program: One-man unit from 6000' to TD.
 - C. Electric logging program: CNL/LDT/CAL/GR, DLL/CAL/GR.
 - D. Coring program: Possible sidewall rotary cores.
14. No abnormal temperatures, or H2S gas are anticipated. The highest anticipated pressure gradient would be .55psi/ft. Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely.
15. Anticipated starting date is April 16, 2001. It should take approximately 28 days to drill the well and another 10 days to complete.
16. The Multi-Point Surface Use & Operation Plan is attached.
17. If the Bureau of Land Management needs additional information to evaluate this application, please advise.

Very truly yours,



David Stewart
Regulatory Analyst
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DRS/drs

Attachments