

ATTACHMENT FORM 9-331-C

Dallas McCasland

Federal "F" No. 5

Location: 660' FSL & 660' FEL Section 29, T26S, R37E, Lea
County, New Mexico, Federal Lease NM-029050

1. Surface Formation: Quaternary Alluvium
2. Estimated tops of geologic markers: Base Salt 2850
Yates 2970
3. Estimated depth of mineral-bearing formations:
Fresh Water - 80 to 200
Yates - 2970 oil and gas
4. Casing Program

Hole Size	Size of Casing	Weight Per Ft.	Cond	Grade	Depth	Sacks Cement	Est Top Cement
12 1/4	8 5/8	24#	New	K-55	400	300	Circ
7 5/8	5 1/2	15.5#	New	K-55	3300	750	Circ
5. Blowout Preventor: 10" Cameron SS Series 900 Double Hydraulic with Payne Closing Unit. See Exhibit D.
6. Mud Program: 0-400 native spud mud, 34 viscosity, weight 8.9#; 400-2800 brine water; 2800-3300 salt base mud viscosity 35-38, weight 10.1#, water loss 20, 2% oil.
7. Auxiliary Equipment: Kelly valve, safety sub with full opening valve, drill pipe float valve.
8. Logging & Testing: No drillstem tests or coring anticipated. Logs to consist of Gamma Ray-Neutron.
9. Anticipated pressures and potential hazards: The Federal "F" No. 3 also in Section 29, indicates that the maximum pressure will be less than 1000# and that hydrogen sulfide will not be encountered.
10. Starting date and duration: Starting date will be determined by date of approval and availability of Cactus Drilling Company Rig No. 63. Operations are expected to be complete in 14 days.