

SOUTHLAND ROYALTY COMPANY

Dale H. Parke "A" Tr. 1 #14  
990' FSL & 1650' FWL  
Section 15, T-17-S, R-30-E  
Eddy County, New Mexico  
NM-0384575

To supplement USGS Form 9-331C "Application to Drill" the following additional information is submitted concerning questions on Page 5 of NTL-6:

1. See Form 9-331C.
2. See Form 9-331C.
3. The geological name of surface formation is: Ochoa
4. See Form 9-331C.
5. See Form 9-331C.
6. The estimated tops of important geological markers are:

B/Salt	1100'
Yates	1255'
Queen	2170'
Grayburg	2570'
San Andres	2885'
7. The estimated depths at which anticipated water, oil, gas and mineral bearing strata are as follows:

Grayburg (Oil)	2570'
San Andres (Oil)	2885'
8. See Form 9-331C. All casing will be new.
9. See Form 9-331C for depths of strings. Cement volumes and additions as follows:
  - a. 8 5/8" csg: Cement w/350 sx. Class "C" w/2% CaCl. Cement to be circulated back to surface.
  - b. 5 1/2" csg: Cement w/550 sx. Lite wt. cmt, 20# salt & 1/4# flocele/sx and 550 sx. Class "C" w/.3 of 1% CFR2. Circulate.
10. The pressure control diagram is attached to Form 9-331C and further described as follows:

11 3/4" casing installation: 10" Ser 900 3000 psi double hydraulic pipe and blind rams.

8 5/8" casing installation: 10" Ser 900 3000 psi double hydraulic pipe and blind rams plus 10" Ser 900 3000 psi Hydril plus 10" Ser 900 Rotating Head.

Testing Procedure: Test 8 5/8" csg - pressure to 1000 psi for 30 minutes before drilling below 8 5/8".
11. See Form 9-331C.
12. A. DST Program: None  
B. Cores: None  
C. Mud Logging: None  
D. Wire Line Logs: Compensated Neutron/GR 1100-3550' (C.H.)