

SOUTHLAND ROYALTY COMPANY

Burton "4" Federal Com No. 1
1980' FNL & 1980' FEL
Sec. 4, T-20-S, R-29E
Eddy County, New Mexico
NM-68929

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:

T/Salt	800'	Delaware	3190'	Strawn	10,350'
B/Salt	1050'	Bone Springs	5720'	Atoka	10,650'
Yates	1100'	3rd Bone Springs	8800'	Morrow Clastics	11,300'
7 Rivers	1300'	Wolfcamp	9300'		

7. The estimated depths at which anticipated water, oil gas and mineral bearing strata are as follows:

Wolfcamp 9300' (oil)
Atoka 10,650' (gas)
Strawn 10,350' (gas)
Morrow Clastics 11,300' (gas)

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. 13 3/8" csg: Cement w/750 sxs C1 "C" cmt w/2% CaCl2. Circ to surface.
 - b. 8 5/8" csg: Cement w/1000 sxs Lite "C" and 600 sxs Class "C". Circ to surf.
 - c. 5 1/2" csg: Cement w/700 sx Class "H". Top of cmt anticipated at 7000'.

A caliper log will be run prior to setting 8 5/8" & 5 1/2" csg to determine exact cement volumes required.

10. The pressure control diagram is attached to Form 9-331C. The following additional information is as follows:

13 3/8" casing installation: 13 5/8"-3M annular BOP tested to 1000 psi for 30 minutes before drilling out 13 3/8" casing shoe.

8 5/8" casing installation: 10"-3M BOP stack to be installed and tested by Yellow Jacket, Inc. to 3000 psi before drilling the 8 5/8" casing shoe, and tested once again by Yellow Jacket, Inc. at 9000'. The BOP stack to consist of an annular BOP, blind ram BOP and one pipe ram BOP.