

SOUTHLAND ROYALTY COMPANY
(Operated by Meridian Oil Inc.)

West Corbin Federal No. 9
660' FSL & 660' FWL
Sec. 8, T-18-S, R-33-E
Lea County, New Mexico
NM-069420

To supplement USGS Form 3160-3 Application to Drill, the following additional information is submitted concerning questions on Page 5 of NTL-6:

1. See Form 3160-3.
2. See Form 3160-3.
3. The geological name of surface formation is: Quaternary Alluvium
4. See Form 3160-3.
5. See Form 3160-3.
6. The estimated tops of important geological markers are:

Rustler	1420'	Delaware Sand	5190'	3rd Bone Springs Sand	9660'
Salt	1600'	Bone Springs	7000'	Wolfcamp	10,365'
B/Salt	2760'	1st Bone Springs Sand	8200'	Middle Wolfcamp	10,650'
Yates	3030'	2nd Bone Springs Sand	8860'	Lower Wolfcamp	11,000'
Queen	4180'				

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

San Andres	5000'	- Oil
Wolfcamp	10,365'	- Oil

8. See Form 3160-3. All casing will be new.
9. See Form 3160-3 for depths of strings. Cement volumes and additions as follows:
 - a. 13 3/8" csg: Cement w/350 sxs Cl "C" cmt w/2% CaCl₂. Circ to surface.
 - b. 8 5/8" csg: Cement w/+1200 sxs Lite "C" cmt w/15# salt & 1/4# cello and 200 sxs Cl "C" w/2% CaCl₂. Circ.
 - c. 5 1/2" csg: Cement 1st stage w/+800 sxs Cl "H". Cement 2nd stage w/1200 sxs Lite & 100 sx Cl "H" to bring TOC @ 2900'.

A caliper log will be run prior to setting 8 5/8" & 5 1/2" pipe 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.

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