

MERIDIAN OIL INC.

Caviness Federal No. 6
990' FNL & 2310' FWL
Sec. 11, T-18-S, R-33-E
Lea County, New Mexico
NM-30398

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: Ochoa
 4. See Form 3160-3.
 5. See Form 3160-3.
 6. The estimated tops of important geological markers are:

Rustler	1600'	Queen	4250'	1st Bone Spring	8140'
Salt	1780'	Grayburg	4730'	2nd Bone Spring Dolomite	8650'
B/Salt	2900'	San Andres	5000'		
Yates	3200'	Bone Spring	6800'		
 7. The estimated depths at which anticipated water, oil, gas and mineral bearing strata are as follows:

San Andres	5000'	- Oil
Bone Spring	6800'	- 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/±600 sxs Cl "H". Cement 2nd stage w/1100 sxs 50-50 Poz "H" to bring TOC @ 3100'.
- 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 3160-3. The following additional information is as follows:

13 3/8" casing installation: 13 5/8"-3M annular BOP tested to 600 psi for 30 minutes before drilling out 13 3/8" casing shoe.