

MERIDIAN OIL INC.

Caviness Federal #5Y  
660' FSL & 610' FEL  
Sec. 10, T-18-S, R-33-E  
Lea County, New Mexico  
NM-30398

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:

Rustler	1600'	San Andres	4950'
Salt	1750'	Bone Spring	6800'
B/Salt	2900'	1st Bone Spring	8240'
Yates	3200'	2nd Bone Spring Dolomite	8650'
Queen	4250'		
Grayburg	4810'		

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

Bone Spring 6800' - Oil

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/350 sxs C1 "C" cmt. Circ to surface.
  - b. 8 5/8" csg: Cement w/1200 sxs Lite cmt and 200 sxs C1 "C". Circ to surface.
  - c. 5 1/2" csg: Cement 1st stage w/600 sxs C1 "H", w/DV @  $\pm$  6500' and second stage w/1100 sxs 50-50 poz "H". 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 9-331C. The following additional information is as follows: