

APPLICATION FOR PERMIT TO DRILL  
FASKEN OIL AND RANCH, LTD.  
CAMERON "31" FEDERAL NO. 2  
1300' FNL & 660' FEL  
SEC.31, T20S, R25E  
EDDY COUNTY, NM

In conjunction with Form 3160-3, Application for Permit to Drill, Fasken Oil and Ranch, Ltd. submits the following items of pertinent information in accordance with Onshore Oil & Gas Order Nos. 1 & 2, and with all other applicable federal and state regulations.

1. The geologic surface formation is of Permian age.
2. Estimate tops of geologic markers are as follows:

San Andres	747'
Glorietta	2383'
Bone Springs	3536'
3rd Bone Springs	6240'
Wolfcamp	6353'
Cisco	7133'
Canyon	7559'
Strawn	8121'
Atoka	8882'
Morrow Clastics	9162'
Lower Morrow	9492'
Barnett Shale	9558'

3. The estimated depths at which water, oil or gas formation are expected to be encountered;

Strawn	8121'	Gas
Atoka	8882'	Gas
Morrow	9162'	Gas

\* Groundwater to be protected by 13-3/8" surface casing with cement circulated to the surface.

\*\* Potentially productive horizons to be protected by 4-1/2" production casing with cement top at 6000'.