

APPLICATION FOR PERMIT TO DRILL
FASKEN OIL AND RANCH, LTD.
Indian Hills Unit No.16
2200' FNL & 660' FWL
SEC.17, T21S, R24E
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:

Grayburg	150'
San Andres	700'
Gloreita	2300'
Bone Springs	3100'
Abo	4350'
Upper Hueco	6200'
Lower Hueco	7150'
Cisco	7550'
Canyon	7900'
Upper Strawn	8300'
Lower Strawn	8650'
Atoka	8950'
Morrow Clastics	9350'
Lower Morrow	9550'

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

Permian	100'	Fresh water
Cisco	7550'	Oil/Gas
Canyon	7900'	Oil/Gas
Strawn	8300'	Gas
Atoka	8950'	Gas
Morrow	9550'	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 tied back to approximately 6500'.