

APPLICATION FOR PERMIT TO DRILL
FASKEN OIL AND RANCH, LTD.
El Paso Federal No.10
1980' FSL & 1253' FEL
SEC.2, T21S, R26E
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:

Bell Canyon Sand	2330'
Cherry Canyon	3008'
Brushy Canyon	3560'
Bone Springs	4380'

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

Delaware group	2330'	Oil/Gas
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* Groundwater to be protected by 13-3/8" surface casing with cement circulated to the surface.

** Potentially productive horizons to be protected by 5-1/2" production casing with cement tied back to intermediate shoe at 2275'.

4. Proposed Casing Program:

<u>String</u>	<u>Footage</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Thread</u>
Surface	400'	13-3/8"	48.00#	H-40	ST&C
Intermediate	2,275'	8-5/8"	24.00#	J-55	ST&C
Production	4,150'	5-1/2"	15.50#	K-55	ST&C
Tubing	4,000'	2-7/8"	6.50#	J-55	EUE 8rd