

## APPLICATION FOR DRILLING

**BTA OIL PRODUCERS**  
**Indian "A", 9201 JV-P, NO. 1**  
**660' FNL & 1980' FEL**  
**Sec. 5, T22S, R23E**  
**Eddy County, New Mexico**

In conjunction with Form 3160-3, Application for Permit to Drill, BTA Oil Producers submits the following 10 items for pertinent information in accordance with BLM requirements:

1. The geologic surface formation is Quaternary.
2. The estimated top of geologic markers are as follows:

Glorieta	1,913'
Bone Spring	3,288'
Wolfcamp	5,653'
* Cisco	6,903'
Strawn	7,783'
Morrow	8,313'
* Morrow Clastics	8,503'

3. The estimated depth at which anticipated water, oil or gas formations are expected to be encountered are noted with the \* above.

All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished to the BLM, Division of Minerals. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.

4. Proposed Casing and Cementing Program:

<u>Casing Size</u>	<u>Setting From</u>	<u>Depth to</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
9-5/8"	0'	1,500'	40#	K55	LTC
5-1/2"	0'	9,000'	17#	L80	LTC

Depending upon availability at the time that the casing is run, equivalent weights and grades may be substituted.

9-5/8" casing will be cemented with 300 sx light N<sub>2</sub> foamed cement, tailed-in with 200 sx Class "C" cement. Circulated to the surface.

5-1/2" casing will be cemented in two stages (stage tool @ ±6300'). First Stage (9000'-6300'): 300 sx N<sub>2</sub> foamed cement, tailed-in with 150 sx Class H cement. Second Stage (6300'-Surface): 800 sx Interfill C, tailed-in with 170 sx Class H cement.