

Attached to Form 3160-3  
PermOK Oil, Inc.  
Leonard Brothers Federal No. 2A  
660' FNL & 660' FWL  
NW/ NW, Sec. 23, T26S, R37E  
Lea County, N.M.

Cement Program:

16" conductor	Cemented with ready-mix to surface
8-5/8"	Cemented to surface with 330 sacks Class "C" + 2% $\text{CaCl}_2$ + 1/4 #/sx Flocele
4-1/2"	Cemented to surface with; Lead-300 sx of Class "C" + 8% gel + 1/4 pps CelloFlake Tail- 300 sx of Class "C"

5. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (3000 psi WP). The ram type preventers will be equipped with blind rams on top and 4-1/2" drill pipe rams on bottom. The ram type preventers are air and electrically operated. All BOP's and accessory equipment will be pressured tested to 3000 psi prior to drilling out of surface casing. Pipe rams will be operationally checked every 24 hrs. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. A 2" kill line and a 3" choke line will be included in the drilling spool located below the ram type BOP. Other accessories to the BOP equipment will include a kelly cock and floor safety valve and choke line and choke manifold with 5000 psi WP rating.

6. Types and Characters of Proposed Mud System:

The well will be drilled to TD with a combination of brine, cut brine and polymer/ KCL mud system. The applicable depths and properties of this system are as follows:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>WL</u>
0-550'	Fresh wtr. (spud)	8.5 ppg	44 sec	NC
550-2500'	Brine water.	10.0	30	LCM
2500-3200'	Salt Gel, starch	10	30	10

**RECEIVED**  
JUN 20 1995  
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