

**APPLICATION TO DRILL**  
**OCEAN ENERGY, INC.**  
Cook Federal "10" #2  
UL OR LOT No. II      SECTION 10  
T16S-R27E      EDDY CO. NM

In response to questions asked under Section II of Bulletin NTL-6 the following information on the above well is provided for your consideration.

1. Location:      660' FSL & 660' FEL, Section 10, T16S-278E Eddy Co. NM
2. Elevation above Sea Level:      3581' GR
3. Geologic name of surface formation:
4. Drilling tools and associated equipment: Conventional rotary drilling rig using drilling mud as a circulating medium for solids removal from hole.
5. Proposed drilling depth:      8800'

6. Estimated tops of geological markers:

Queen	1050'	Strawn	8022'
Grayburg	1450'	Atoka	8424'
Glorietta	2852'	Morrow LS	8490'
Tubb	4210'	Morrow Clastic	8515'
Abo	4942'	Chester Shale	8640'
Wolfcamp	6160'	Mississippian LS	8690'
Bursum	6948'		

7. Possible mineral bearing formation:

Queen	Oil	Morrow	Gas
Grayburg	Oil	Morrow A	Gas
Wolfcamp	Oil	Morrow B	Gas
Strawn	Gas	Mississippian LS	Gas

8. Casing program:

Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
36"	0-40'	20"	60	NA	NA	Conductor
17-1/2"	0- <del>500</del> <sup>800'</sup>	13-3/8"	48	8-R	ST&C	H-40
11"	0-2000'	8-5/8"	32	8-R	ST&C	K-55
7-7/8"	0- <del>2250</del> <sup>8800'</sup>	5-1/2"	17	8-R	LT&C	N-80

9. Cementing and setting depth:

20"	Conductor	Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
13-3/8"	Surface	Set <del>500'</del> <sup>800'</sup> of 13-3/8" H-40, 48# ST&C csg. Cement with <del>400</del> <sup>640</sup> sx of Class "C" cement + 2% CaCl <sub>2</sub> , circulate to surface.
8-5/8"	Intermediate	Set 2000' of 8-5/8" K55 32# LT&C csg. Cement with 600 sx of 35/65 POZ Class "C" + 6% Gel + 5% salt tail in with 400 sx of Class "C" cement + 2% CaCl <sub>2</sub> , circulate cement to surface.
5-1/2"	Production	Set 8800' of 5-1/2" 13.5# LT&C csg. Cement with 500 sx of Class "C" 35/65 POZ + additives, tail in with 190 sx of 50/50 POZ Class "H" + 10% Salt + .25% Dispersant + 2% Gel. Estimate top of cement 500' above uppermost productive interval. Cement volumes will be adjusted based on open-hole caliper log.