

# APPLICATION TO DRILL

## OCEAN ENERGY, INC.

Kukui 31 #1  
Sec. 31, T14S, R35E

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: 1290' FNL & 1980' FEL, Section 31, T14S-R35E Lea Co. NM
2. Elevation above Sea Level: 4048' 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: 14,000'

6. Estimated tops of geological markers:

|            |        |                 |        |
|------------|--------|-----------------|--------|
| Rustler    | 1907'  | Strawn          | 11994' |
| Yates      | 3085'  | Strawn Clastics | 12130' |
| San Andres | 4445'  | Atoka Shale     | 12430' |
| Glorieta   | 5950'  | Atoka Lime      | 12490' |
| Tubb       | 7442'  | Brunson Sd      | 12950' |
| Abo        | 8233'  | Mesa Sd         | 13280' |
| Wolfcamp   | 9700'  | Austin          | 13500' |
| Penn Shale | 11518' | TD              | 14000' |

7. Possible mineral bearing formation:

|          |                  |
|----------|------------------|
| Wolfcamp | 9700' Oil        |
| Strawn   | 11994' Oil & Gas |
| Brunson  | 12950' Gas       |
| Mesa     | 13280' Gas       |
| Austin   | 13500' Gas       |

8. Casing program:

| Hole size | Interval | OD of casing | Weight | Thread | Collar | Grade        |
|-----------|----------|--------------|--------|--------|--------|--------------|
| 20"       | 0-50'    | 20"          | 60     | NA     | NA     | Conductor    |
| 17-1/2"   | 0-450'   | 13-3/8"      | 40     | 8-R    | ST&C   | H-40         |
| 11"       | 0-6200'  | 8-5/8"       | 32     | 8-R    | LT&C   | HCK-55       |
| 7-7/8"    | 0-14000' | 5-1/2"       | 17     | 8-R    | LT&C   | L-80 & P-110 |

9. Cementing and setting depth:

|         |              |  |
|---------|--------------|--|
| 20"     | Conductor    | Set 50' of 20" conductor pipe and cement to surface with Redi-mix.   |
| 13-3/8" | Surface      | Set 450' of 13-3/8" H-40, 40# ST&C csg. Cement with 400 sx of Class "C" cement + 2% CaCl <sub>2</sub> , circ to surface.   |
| 8-5/8"  | Intermediate | Set 6200' of 8-5/8" HCK55 32# LT&C csg. Cement with 900 sx of 35/65 POZ Class "C" + 6% Gel + 5% salt + 0.25 #/sx Cello Flake and tail in with 200 sx of Class "C" cement, circulate cement to surface.                         |
| 5-1/2"  | Production   | Set 14,000' of 5-1/2" 17# LT&C csg. Cement with 875 sx of Class "C" 15/61/11 POZ + additives. Estimate top of cement 500' above uppermost productive interval. Cement volumes will be adjusted based on open-hole caliper log. |