

APPLICATION TO DRILL

OCEAN ENERGY, INC.
 BURTON FLAT DEEP UNIT # 43
 UNIT "X" SECTION 3
 T21S-R27E EDDY CO. NM

9. CASING CEMENTING & SETTING DEPTH:

20"	Conductor	Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
13 3/8"	Surface	Set 600' of 13 3/8" 48# H-40 ST&C casing. Cement with 505 Sx. of Class "C" 35/65 POZ + additives, circulate Cement to surface.
8 5/8"	Intermediate	Set 2780' of 8 5/8" 32# J-55 ST&C casing. Cement with 581 Sx. of Class "C" 35/65 POZ + additives, tail in with 200 Sx. of Class "C" cement + 1% CaCl, circulate cement.
5 1/2"	Production	Set 11,600' of 5 1/2" 17# P-110 & N-80 LT&C casing. Cement in two stages, DV tool at 8200'±. 1st stage cement with 508 Sx. of Class "C" Premium Plus + additives, 2nd stage cement with 911 Sx. of Class "C" cement + additives, estimate top of cement 2280' from surface.

10. PRESSURE CONTROL EQUIPMENT: Exhibit "E" shows a 1500 Series 5000PSI working pressure B.O.P., consisting of an annular bag type preventor, middle blind rams, and bottom pipe rams. The B.O.P. will be nipped up on the 13 3/8" casing and tested to API specifications. The B.O.P. will be operated at least once in each 24 hour period and blind rams will be operated when drill pipe is out of hole on trips. Full opening stabbing valve and upper kelly cock will be utilized. Exhibit "E-1" shows a hydraulically operated closing unit and a 2" 5000 PSI choke manifold with dual adjustable chokes. No abnormal pressures or temperatures are expected.

11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.	FLUID LOSS	TYPE MUD SYSTEM
40-600'	8.6-9.2	32-36	NC	Fresh water spud mud add paper to control seepage.
600-2780'	8.3-8.4	28-29	NC	Fresh water use paper to control seepage and high visc. sweeps to clean hole lime for pH
2780-8900'	8.3-8.4	28-29	NC	Same as above for pH use lime to 8000' then caustic soda to prevent scaling, use high visc. sweeps to clean hole.
8900-11,600'	9.0-9.6	35-50	6-10 cc	Blend XCD Polymer to present system to control visc. use white starch to control fluid loss.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation, or unexpected kicks. In order to run DST's, open hole logs, and casing viscosity and/or water loss may have to be adjusted to meet these needs.