

**POINT 5: MUD PROGRAM**

<u>DEPTH</u>	<u>MUD TYPE</u>	<u>WEIGHT</u>	<u>FV</u>	<u>PV</u>	<u>YP</u>	<u>FL</u>	<u>Ph</u>
0' - 750'	FW Spud Mud	8.5 - 9.2	35-40	NC	NC	NC	NC
750' - 3050'	BW	9.6 - 10.0	29-30	NC	NC	NC	NC
3050' - 4800'	FW Mud	8.6 - 8.8	34-40	10-14	12-18	<5	9-9.5

**POINT 6: TECHNICAL STAGES OF OPERATION****A) TESTING**

Drill stem tests will be performed on significant shows in Delaware.

**B) LOGGING**

GR-CNL-LDT, GR-DIL-MSFL run from TD (4800') to 3050', GR-LSS run from TD (4800') to surface. FMI over Delaware Sands of interest from 4800' to 3050'.

**C) CORING**

No cores are anticipated.

**D) CEMENT**

<u>INTERVAL</u>	<u>AMOUNT SXS</u>	<u>FT OF FILL</u>	<u>TYPE</u>	<u>GALS/SX</u>	<u>PPG</u>	<u>FT/SX</u>
Surface	470 (100% excess circ to surface)	750	Class "C" with 2% CaCl <sub>2</sub> and 1/4 ppg Cello-Flake	6.3	14.8	1.32
Intermediate	950 (100% excess w/TOC @ 250')	2800	Class "C" with Salt	6.3	14.8	1.32
Production	232 (25% excess)	2250	Class "C" w/additives for Wtr Loss Control	10.6	13.2	1.92

**E) DIRECTIONAL DRILLING**

No directional services anticipated.

**POINT 7: ANTICIPATED RESERVOIR CONDITIONS**

Normal pressures are anticipated throughout Delaware section.

BHP 2146 psi max or ECD of 8.6 ppg, BHT 100°

Lost circulation can occur from surface to 2500'.

H<sub>2</sub>S has been measured @ 12,000 ppm max in the Delaware - H<sub>2</sub>S safety equipment will be installed at 3050'.

Deviation can be a problem from 1000' to 3000' and will be monitored closely.