

#### POINT 4: PRESSURE CONTROL EQUIPMENT (SEE ATTACHED DIAGRAM)

A rotating head will be nipped up on the surface casing. The rotating head will not be hydro-tested.

A BOP equivalent to Diagram 1 will be nipped up on the first and second intermediate casings. The BOP stack, choke, kill lines, kelly cocks, inside BOP, etc. will be hydro-tested to 3,000 psi on the first intermediate and 10,000 psi on the second intermediate casing. The annular will be tested to 3000 psi. In addition to the rated working pressure test, a low pressure (250 psi) test will be required. These tests will be performed:

- a) Upon installation
- b) After any component changes
- c) Twenty-one days after a previous test
- d) As required by well conditions

A function test to insure that the preventers are operating correctly will be performed on each trip. See the attached Diagram 1 for the minimum criteria for the choke manifold.

#### POINT 5: MUD PROGRAM

DEPTH	MUD TYPE	WEIGHT	FV	PV	YP	FL	Ph
0' – 525'	FW	8.5 - 9.2	45-35	NC	NC	NC	9.5
525' – 3,435'	CBW	9.2 – 10.0	28-30	NC	NC	NC	9.5
3,435' – 10,000'	FW	8.6 – 8.9	28-30	4	2	NC	9.5
10,000' – 11,400'	CBW	8.6 – 9.0	28-30	6	4	<20	9.5
11,400' – TD	CBW/Polymer	9.0 – 13.5	32-55	12-20	12-22	10-15	9.5-10.0

#### POINT 6: TECHNICAL STAGES OF OPERATION

##### A) TESTING

Drill stem tests may be performed on significant shows in zones of interest, but none are anticipated.

##### B) LOGGING

Run #1:

GR-CNL-LDT-LLD run from TD to first ICP, GR-CNL to surface. May run logging suite across Delaware prior to drilling below 7300' if mud log shows warrant.