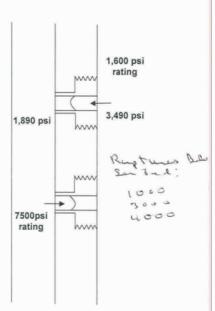BP

150306N.6

Rupture and Burst Disk

- **Outward rupture of a burst disk**
  - No likely scenario
- **Inward rupture of a collapse disk**
  - Need 1,600 psi external pressure differential
  - Reasonable high external pressure is due to 11.1 ppg mud, 3,490 psi
  - Therefore, need internal pressure less than 3,490 − 1,600 = 1,890 psi
    - Gas (.15 psi/ft) from surface = 907 psi
    - Oil (.25 psi/ft) from surface − 1,512 psi
- **Conclusion** – An event- related rupture of a collapse disk can be conjectured.

1,600 psi rating

1,890 psi   3,490 psi

7500psi rating

6