

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.

