

## **Risk Based Decisions**

1. Centralizers – Halliburton proposed 21, BP went with 6.
  - a. Due to model
    - i. <10 suggested “moderate gas possible”
    - ii. 6 suggested “SEVERE”
2. Cement Bond Log – Schlumberger personnel on rig to run CBL and set bridge plug with equipment (4/18-4/20)
  - a. Schlumberger sent home due to interpretation of cement “analysis”
3. Circulate Bottoms Up – gas cut mud w/ cement (channeling)
4. Well Design –
  - a. Long string vs. tieback (provides additional barriers)
  - b. 7” from Nexen at last minute
  - c. Change of connectors
5. Not to run the OD lock ring and/or lock down sleeve – timing w/in procedure
6. Variable Bore Ram changed to Test Ram – acknowledged risk conversion will reduce built in redundancy
7. LCM Spacer – pumped 450 bbl LCM as spacer across BOP/choke-kill lines
8. Pumping mud to boat while displacing riser – unable to accurately monitor volume in-out
9. Timing of setting the surface plug
10. Negative test interpretation and proceeding forward – lack of define procedure and successful test
11. Cement designed for balanced not overbalanced
12. Deviating from own recommended practices – API RP 65
13. Continuing operations w/BOP leaks and yellow pod functions being locked out
14. Cut back on cement to have enough room to run CBL
15. Decision to forgo drilling survey /ABS since 2005