

Current status offshore

▶ **Discoverer Enterprise**

- ▶ RIT Tool
- ▶ Producing

▶ **Development Driller III**

- ▶ Drilling relief well
 - ▶ BOP's run
 - ▶ 22" section – prepping 18" casing

▶ **Development Driller II**

- ▶ Drilling relief well
 - ▶ Ready to run 22" casing
 - ▶ Stop point
- ▶ Alternative running Stack on Stack after Junk Shot

▶ **Blow out**

- ▶ Ca 25 k bbl produced
- ▶ Still 2 leaking areas on riser
 - ▶ main tube exit
 - ▶ Top of flex jnt

▶ **No significant well changes**

- ▶ pressure @ lower kill – 3150 psi
- ▶ pressure @ flex jnt – 2750 psi
- ▶ BOP press drop – 400 psi
- ▶ estimated shut in pres. ~ 9000 psi
- ▶ well integrity ~ 7500 psi
 - ▶ rupture casing discs – weak point

10208
Exhibit No. _____
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Planning overview - May 23, 2010

- ▶ **Installed overshot on Drill Pipe**
 - ▶ objective - leak containment
 - ▶ status - done

- ▶ **Tap into MPR function and close same**
 - ▶ objective - Close in well
 - ▶ status - done

- ▶ **Install RITT tool on pipe into riser with DEN**
 - ▶ objective – capture well fluid and treat via production and testing facility
 - ▶ Status - done
 - ▶ producing between 1000 – 3000 BOPD
 - ▶ New improved RITT to be installed after top kill (junk shot)

- ▶ **perform top kill operation (junk shot)**
 - ▶ objective – seal off well, displace well to heavy mud, cement & stop flow of oil
 - ▶ status – approved by BP, reviewing now with USCG

- ▶ **BOP intervention via DEN BOP on top**
 - ▶ objective – close in and P&A well
 - ▶ status – under BP approval

- ▶ **Tripple Ram Capping BOP**
 - ▶ Objective – close in well and allow BP to bleed off well head pressure to avoid well integrity challenges
 - ▶ Status – procedures being approved – stack being build fully ROV controlled

Asbjørn S. Olsen – Asset Management

AOB?

Asbjørn S. Olsen – Asset Management

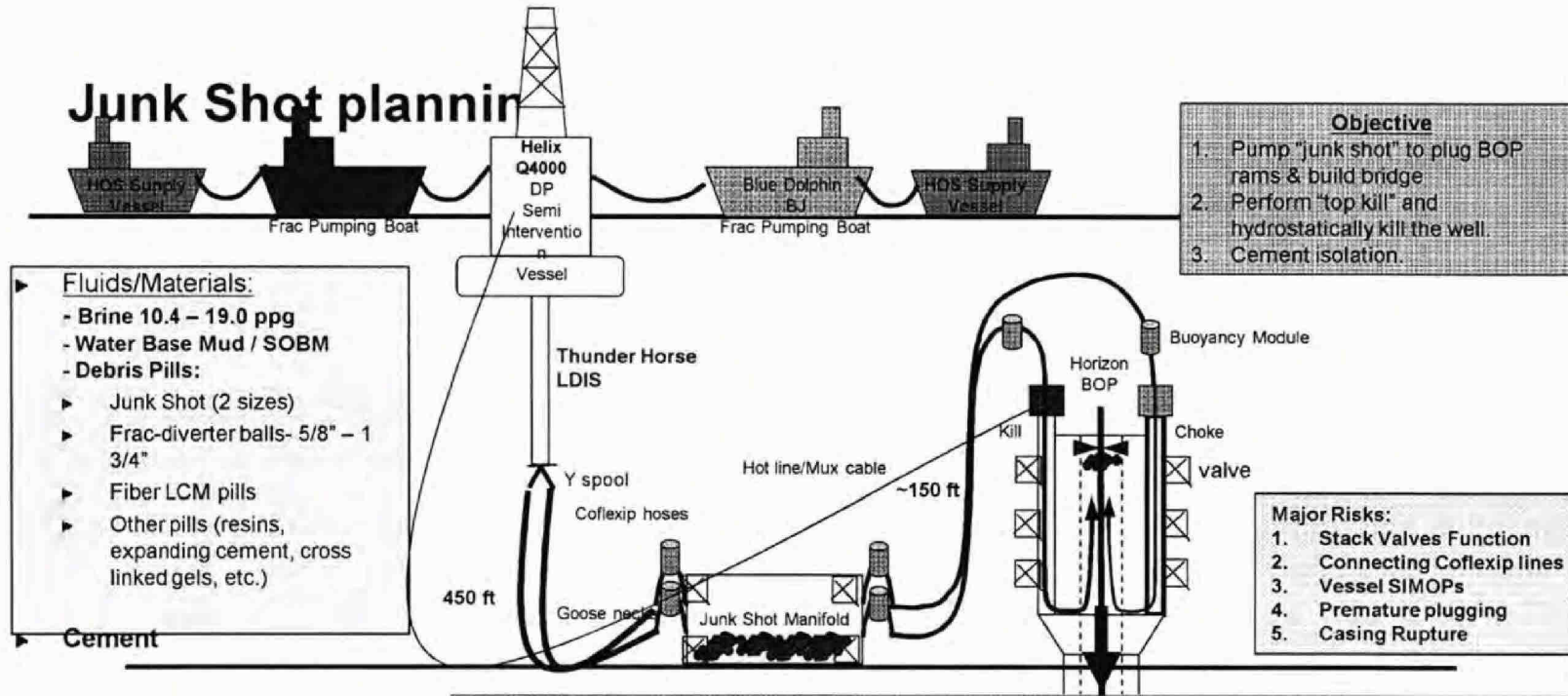
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TDR165-307007

TREX 010208.0003

Junk Shot planning



- Fluids/Materials:**
- Brine 10.4 – 19.0 ppg
 - Water Base Mud / SOBM
 - Debris Pills:
 - ▶ Junk Shot (2 sizes)
 - ▶ Frac-diverter balls- 5/8" – 1 3/4"
 - ▶ Fiber LCM pills
 - ▶ Other pills (resins, expanding cement, cross linked gels, etc.)
- Cement**

- Objective**
1. Pump "junk shot" to plug BOP rams & build bridge
 2. Perform "top kill" and hydrostatically kill the well.
 3. Cement isolation.

- Major Risks:**
1. Stack Valves Function
 2. Connecting Coflex lines
 3. Vessel SIMOPs
 4. Premature plugging
 5. Casing Rupture

Equipment Status

No	Equipment	Fourchon
1	TH LDIS / Y spool	May 6
2	Junk Manifold	May 7
3	Coflex Hoses	May 7
4	Buoyancy Modu	May 7
4	Goosenecks	May 7

Asbjørn S. Olsen – Asset Management

MC 252 Top Kill Timeline

No.	Task	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Pull and Repair Yellow Pod (prefer Boa SS Vessel)		■													
2	Run Coffe Dome and C/K Isolation Valve Override			■	■	■										
3	ROV Cut Hub Clamp on C/K Lines/Remove upper hub (Boa)						■	■								
4	Deploy mud mat/manifold with Q 4000							■	■							
5	Run Coflex 150ft hoses/goosenecks on line (Q4000) & connect								■	■						
6	Rerun Yellow Pod on DP, run Mux line - Q 4000 and test									■	■					
7	Run LDIS and coflex/goosenecks with Q 4000										■	■				
8	Connect coflex/goosenecks to manifold											■	■			
9	Displace coflex/manifold to vents on BOP & test												■	■		
10	Move frac boats on location and complete rig up to Q (Simops)														■	■
11	Ready to pump kill fluids															■

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