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

Asbjørn S. Olsen – Asset Management
Planning overview - May 23, 2010

- **Installed overshoot 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 treath 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
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**

**Equipment Status**

<table>
<thead>
<tr>
<th>No</th>
<th>Equipment</th>
<th>Fourthon</th>
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<tbody>
<tr>
<td>1</td>
<td>TH LDIS / Y spool</td>
<td>May 6</td>
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<tr>
<td>2</td>
<td>Junk Manifold</td>
<td>May 7</td>
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<tr>
<td>3</td>
<td>Coflex Hoses</td>
<td>May 7</td>
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<tr>
<td>4</td>
<td>Buoyancy Modu</td>
<td>May 7</td>
</tr>
<tr>
<td>4</td>
<td>Goosenecks</td>
<td>May 7</td>
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</tbody>
</table>

**MC 262 Top Kill Timeline**

<table>
<thead>
<tr>
<th>No</th>
<th>Task</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
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<th>17</th>
<th>18</th>
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<tbody>
<tr>
<td>1</td>
<td>Pull and Repair Yellow Pod (prefer Boa SS Vessel)</td>
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<td>2</td>
<td>Run Cofferm Dome and C/K Isolation Valve Override</td>
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<td>3</td>
<td>ROV Cut Hub Clamp on C/K Lines/Remove upper hub (Boa)</td>
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<td>4</td>
<td>Deploy mud mat/manifold with Q 4000</td>
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<td>5</td>
<td>Run Coflex 150ft hoses/goosenecks on line (Q4000) &amp; connect</td>
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<td>6</td>
<td>Rerun Yellow Pod on DP, run Mux line - Q 4000 and test</td>
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<td>7</td>
<td>Run LDIS and coflex/goosenecks with Q 4000</td>
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<tr>
<td>8</td>
<td>Connect coflex/goosenecks to manifold</td>
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<td>9</td>
<td>Displace coflex/manifold to vents on BOP &amp; test</td>
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<tr>
<td>10</td>
<td>Move frac boats on location and complete rig up to Q (Simops)</td>
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<td>11</td>
<td>Ready to pump kill fluids</td>
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Asbjorn S. Olsen - Asset Management

**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