

## Risk Mitigation Plan

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| <b>Description of Risk</b><br>Uncontrolled flow of hydrocarbons during drilling, completion or well intervention activities that has the potential for a loss of well control which, if ignited, could lead to fire and explosion, as well as severe environmental and property damage with the potential for multiple fatalities. This Plan applies to all three (3) BP-owned rigs in the GoM -- Thunder Horse, Holstein, and Mad Dog -- with hazard ID numbers TH-HSE-8, HL-HSE-10, MD-16, respectively. This will also apply to the MODUs operating in the SPU. | <b>Risk Identification Number :</b> H-01.02 | <b>Operations Impact</b><br>Check boxes that apply<br><input checked="" type="checkbox"/> Safety<br><input checked="" type="checkbox"/> Environmental<br><input checked="" type="checkbox"/> Reputation |
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| <b>Changes</b><br><input checked="" type="radio"/> First Submission<br><input type="radio"/> No action plan or schedule change | <input type="radio"/> Mitigation action plan changed from previous submission<br><input type="radio"/> Mitigation plan schedule changed from previous submission<br><input type="radio"/> Mitigation action plan and schedule changed from previous submission |
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**Risk Mitigation** (Where multiple risk mitigations exist for the same risk, use multiple sheets and provide a unique risk mitigation number on each sheet)

**Risk Mitigation No:** \_\_\_\_\_ **Core Action Tracker No:** \_\_\_\_\_






**Description**  
 The risk mitigation plan will focus on key tasks and schedule for evaluating competencies (People), well control equipment condition (Plant), and procedures (Processes) used to control the loss of well control risk. These tasks include:

- 1 - Revalidate and maintain Well Control (WC) training and certification for all line D&C personnel (BP & Contractor).
- 2 - Follow Segment forward plan to implement a Competency Assurance Framework for D&C when rolled out late in 2008.
- 3 - Review and assure the health/robustness and effectiveness of the barriers and controls identified in the bow-ties for the loss of well control risk.
- 4 - Roll-out the BowTies to each rig.
- 5 - Develop an SPU Well Control Response Guide (WCRG) and update asset-specific Contingency Plans

| No. Action  | 2008 |    |         |    | 2009 |    |    |    | SPA                |
|---|------|----|---------|----|------|----|----|----|--------------------|
|   | Q1   | Q2 | Q3      | Q4 | Q1   | Q2 | Q3 | Q4 |                    |
| <b>Competencies</b>   |      |    |         |    |      |    |    |    |                    |
| 1 Maintain WC training and certification for line D&C personnel   |      |    | Ongoing |    |      |    |    |    | D&C Team Leads     |
| 2 Verify Drlg Contractor WC training and certification for line personnel   |      |    | Ongoing |    |      |    |    |    | D&C WTL            |
| 3 Implement Competency Assurance Framework when approved  |      |    |         |    | *    |    |    |    | D&C Team Leads     |
| <b>Blow-Out Risk Potential and Consequences</b>   |      |    |         |    |      |    |    |    |                    |
| 4 EPTG Study On Bridging of Thunder Horse open hole   |      |    |         |    |      |    |    |    | D&C Perf Mgr       |
| <b>Health Check (robustness) of barriers</b>  |      |    |         |    |      |    |    |    |                    |
| 5 Develop bowties identifying hazards, barriers, and events   |      |    |         |    |      |    |    |    | D&C IM Lead        |
| 6 Roll-out bowties to each rig team   |      |    |         |    |      |    |    |    | D&C IM Lead        |
| 7 Evaluate effectiveness of barriers with each rig team   |      |    |         |    |      |    |    |    | D&C IM Lead        |
| <b>Contingency Planning</b>   |      |    |         |    |      |    |    |    |                    |
| 8 Develop an SPU WCRG and update asset-specific contingency plans   |      |    | Ongoing |    |      |    |    |    | D&C Wells Director |
| Key Planned : <span style="background-color: #cccccc; display: inline-block; width: 15px; height: 10px;"></span> Complete : <span style="background-color: #008000; display: inline-block; width: 15px; height: 10px;"></span> Behind Schedule : <span style="background-color: #ff0000; display: inline-block; width: 15px; height: 10px;"></span> |      |    |         |    |      |    |    |    |                    |

**Notes:**  
 \* SPU submitted a temporary deviation for Element 2 Competencies until YE 2009 requesting the Segment provide Assessor resources for D&C staff. Training and assessments are in a phased Segment-wide plan beginning with WSLs first, followed by Sr. Drilling and Completions Engineers, and Wells & Engineering Team Leaders (including Consultants working in these roles on BP's behalf).

**Approvals**  
 Approving mitigation plans for identified risk exposures and continued operation of the facilities following due consideration of the identified risks.

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| <b>Vice President</b><br><br>Kevin Lacy VP D&C<br>July 16, 2008<br>Date    | <br>Dan Replogle VPTH<br>June 30, 2008<br>Date | <br>Richard Morrison VP Production<br>July 14, 2008<br>Date |
| <b>Asset Manager</b><br><br>Doug Hand side AM Holstein<br>07/03/08<br>Date | <br>Jeff Hohle AM Mad Dog<br>7-07-08<br>Date   |   |