



From: Pat Campbell
Sent: Saturday, June 19, 2010 11:15 PM
To: Freddy L. Gebhardt
Cc: Bill Mahler; Terry L. Foster; Bryan M. Ellis
Subject: BP Macondo 252-1 Update ---MOST CONFIDENTIAL---
Attachments: Technical_briefing_061810.pdf

Importance: High
Sensitivity: Confidential

From: Pat Campbell
Sent: Saturday, June 19, 2010 11:11 PM
To: Bernard, Pat
Cc: Blanchard, Ken; Dunlap, Dave; 'Hall, Terry'
Subject: BP Macondo 252-1 Update ---MOST CONFIDENTIAL---
Importance: High
Sensitivity: Confidential

---MOST CONFIDENTIAL---

19 June 10

- Flowed 28,000 BBL/Oil/Day and Flowed/burned 52-55 MMCF Gas/day for the last few days.
- Total oil recovered 207-210,000 BBL.
- Production/recovery was interrupted on June 15th when lightning struck the Enterprise. Everything was shut down for about 6 hours, inspected, and restarted.
- Activity continues for the deployment and testing of the expansion of the recovery system.
- There are a number of initiatives being prepared simultaneously. Some are planned for use, and some are for contingency in case of problems with the existing (or near term expanded) system
- The Helix Q-4000 is now at max production of 10,000 bbl/oil/day + associated gas. The deluge system is not sufficient for heat abatement so our fire fighting boats are providing additional cooling for the Q-4000
- The Q-4000 continues to take flow from the 'Top-Kill' manifold on the sea floor near the DH BOP stack
- The Discoverer Enterprise continues to take maximum flow of +- 16,000 BBL/Oil/Day direct from the Top Hat on the LMRP of the DH BOP stack
- During the past week WWCI was asked to add two more firefighting vessels to operate in the 500m radius hot zone. We are providing all water and air monitoring for safety.
- The third vessel is deployed in the field and the fourth was in transit today from Lake Charles to Port Fourchon where our equipment is standing by to be mobilized.
- BP has made final arrangements with Helix to mobilize the FPSO Helix Producer 1 which is presently berthed in Galveston where it was undergoing final preparations to be deployed to Helix ESG's Phoenix field.
- To make a very long story as short as possible: The next step will be to add a third vessel (Clear Leader) to the production /recovery spread. It will receive flow from the Top Hat manifold on the sea floor.
- BP could not negotiate an extension for the Toisia vessel because it has a long term contract commencing 01 July 10 for Petrobras Brazil. That vessel has been here since the beginning of the project and has provided great ROV assistance and video throughout the project.
- Work continues to complete the free-standing buoyant riser. It will be connected to the CDP manifold (with surface controlled hydraulic chokes), then connect the riser FPSO.
- There are still several replacement capping assemblies to swap out with the 'Top Hat' The objective is to **A)** create a system to which back pressure can be applied, **B)** the well could be shut in, **C)** the riser enables the FPSO to disconnect in the event of hurricanes, etc.

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- There are many SIMOPS meetings and peer review meetings. Timelines to accomplish certain tasks has pretty much ruled out some options due to elevated risk and time requirements to implement tasks at the sea floor.

As you may know, Tony Hayward has been relieved of duties related to the well control event by BP's Board of Directors today. Bob Dudley took over for Hayward today.

It seems Dr. Steven Chu, The Energy Secretary, and his team are making most of the big decisions. Numerous BP managers with positions in the Incident Command System have been reassigned back to their respective business units. I haven't seen Ken Salazar, Interior Secretary, in a couple of weeks. Clearly, Unified Command not only must approve all activities and initiatives, they are very close to running the all aspects of the event.

Our Team is doing a great job. It seems there can be no credit or recognition as long as oil/gas continues to escape.

WWCI also held meetings this past week with numerous individuals / groups bringing well control or pollution clean-up ideas --- either due to their high level government (State/Federal) connections or due to our long time relationships.

Call if you have questions.

Regards

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