

**From:** Rainey, David I  
**Sent:** Sun Apr 25 19:07:27 2010  
**To:** Morrison, Richard; Dupree, James H  
**Cc:** Suttles, Doug J  
**Subject:** RE: Exploration Plan and permits  
**Importance:** Normal

To be clear - I don't believe that we necessarily need to include the graphic of the stratigraphic column, but I do believe that we need to articulate that we understand the top-hole section of the existing well, have integrated this with the seismic, and the casing integrity analysis, so that we understand the possibilities for pressuring up the shallow section with an underground blow out.

Dave

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**From:** Morrison, Richard  
**Sent:** Sunday, April 25, 2010 1:19 PM  
**To:** Dupree, James H  
**Cc:** Rainey, David I; Suttles, Doug J  
**Subject:** Exploration Plan and permits

James,

We had a look at the exploration plan and have fed back comments to Jim Grant. Given some of the long conversations we had with the mms last night about potential breach, casing design, flow paths, packers, etc, we think the plan submitted will be challenged on a few fronts. For example:

- Section 2.7 - Blow out Scenario - we state that it is not required (wrong answer)
- Section 3.1.6 - Shallow hazards assessment - looks like boiler plate from the macondo well, seems we should reference our confidence that the wells have been placed such that any potential breach in macondo well would not affect the relief wells.
- Section 3.1.8 - Stratigraphic column - we state not applicable, Rainey believes it is very important to include

Pretty sure Lars will have picked up on these omissions and will want them included. Just so we have some cold eyes looking, can you send us the APD's for the 2 wells since I'm sure Lars/Mike will want to see the details of the casing design - which will help accelerate their approval process.

We can turn it around quickly.

Thx

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