



From: Rainey, David I
Sent: Fri Apr 16 02:10:27 2010
To: Daly, Mike (SJS)
Cc: Peijs, Jasper
Subject: FW: Macondo deepening recommendation
Importance: Normal

One other thing - I misspoke when I said that Jay and Cindy had agreed that Cindy would chair the Macondo Discovery Review Board. In fact, they had agreed that Jay would chair as he drilled the well and the most likely outcome is immediate handover to CDO. This is the simplest approach and has my support.

Dave

From: Rainey, David I
Sent: Thursday, April 15, 2010 10:57 AM
To: Daly, Mike (SJS)
Cc: Dupree, James H; Peijs, Jasper; Caldwell, Jason
Subject: FW: Macondo deepening recommendation

Mike,

XAX has reviewed the potential for deeper prospectivity at the M54/55 at Macondo. Although there has been some chatter - consensus view is there is no justification to deepen the well.

In Jay's presentation to Forum he described only the M56, and said that the team was continuing to evaluate the deeper prospectivity. No volumes were attributed to the M54/55 in Jay's presentation, the FM, or the TAM. The FM speaks only to the M56, although the D&C 1-pager talks to designing the well to be able to test the M54/55 if necessary.

Given that we have fulfilled the objectives of the well as described in the FM, and given the consensus technical view not to deepen, our decision is to TD at current depth.

Dave

From: O'Leary, John
Sent: Wednesday, April 14, 2010 2:27 PM
To: Thorseth, Jay C
Cc: Rainey, David I; Hill, Geoff S; Pfau, Gerhard E
Subject: Re: Macondo deepening recommendation

Jay,

XX feedback asked for a review of the O90 because of brightening of the Fars on one line shown by the

•However, a penetration through this facies will calibrate it for the first time and could impact the risk profile of Daily Planet and Daily Moon. These two prospects are currently high risk due to reservoir presence."

Terry Fitzpatrick

"I concur with the teams recommendation that there is very little top down support to deepen the Macondo well. A thicker M54 to O90 section exists just to the west of the wellbore. Seismic facies in this isopach thick is chaotic suggesting a sand poor interval with possibly thin discontinuous sands. This facies is well calibrated at both the Thunderhorse and Blindfaith fields in a similar Miocene age section."

Mick Casey

"After sitting down and reviewing the Macondo data with Chuck and Binh, I would have to conclude that there is very little chance for good Miocene sand development below the current TD of the well. What I see are three stacked chaotic zones which likely represent muddy mass transport complexes (MTCs) similar to the M54 "Brown Chaotic Zone" of Thunder Horse field, which corresponds to a thick shaley zone overlying the main reservoir. Off structure, there are more continuous reflectors separating the chaotic zone which could be condensed shales or thin sands. Based on Binh's comments about rock properties, I suspect that they are condensed shales. At any rate, they appear to be eroded by the overlying MTC on the structure itself and would not be tested by deepening of the well. As for the section below the O90, the Paleogene is typically condensed and marly in this area. On seismic the section between O90 and K100 thins dramatically onto the structure and could be completely absent."

Jay C. Thorseth

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