

From: Peijs, Jasper
 Sent: Mon May 10 14:14:07 2010
 To: Suttles, Doug J
 Cc: McMahon, Shiva P
 Subject: Worst Case Scenario Data
 Importance: Normal

Doug,

Here are some basic facts:

- Since the filing of the permit (EP), we have gone from pre-drill
 - Reservoir permeability (measured in-side-wall, zones) is 30000
 - case discharged in the EP
 - Pressures measurements at the well-head suggest annular flow
 - The oil initially in place (based on actual net pay thickness and reservoir parameters) is calculated to be 188 mmbo
 - We have run two reservoir models based on mass balance
 - Both models have been run to 120 days after the spud of the 2nd relief well (forecast to be May 14th/15th)
- Model 1:
- Worst case model: unconstrained flow, zero skin, no BOP, initial flow rate of 55,000 bopd
 - Cumulative flow from this case is 7.2 mmbo
- Model 2:
- Our most likely case with initial flow rate of 5,000 bopd
 - Cumulative flow from this case is 0.7 mmbo

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