

From: Hill, Trevor
Sent: Sat Jun 19 21:26:20 2010
To: Mason, Mike C
Cc: MC252_Email_Retention; Tooms, Paul J; Brookes, David; Cecil, Chris
Subject: Meeting on Monday
Importance: Normal
Attachments: Pressure-flow information meeting Agenda.pdf

Mike

Good afternoon...

Last week I spent some time with reps from the government labs to begin laying out information available within BP on pressure-flow relationship for the MC252 system, to ensure that they had appropriate access to that information. The attached gives the list of sections, each of which may require more in-depth discussion with the relevant BP expertize. You will see that Flowpath Scenario modelling is one of these sections.

<<...>>

As a result of that interaction, on Monday morning I am having a meeting with flow experts from the labs to talk them through the detailed BOP / WHFP pressure records, covering the 'natural' variations and changes we have made to rams and riser.

Those same experts are likely to also be interested in the detailed modelling of the flowpath scenarios that you and your team have done. Please would you therefore have someone available to talk through the early steady-state modelling you did on flowrate-pressure relationship for the 9 or so cases you looked at... this section of the meeting will start late morning or early afternoon (suggested overall agenda for the day to follow tomorrow). The session will be in WL4 room 1812, with 5-8 lab / government reps. We will need to agree in advance with Paul/Dave what information may be shared.

Thanks for your help with this.

Regards

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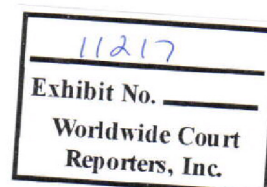
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Proposed content for pressure-flow information review meeting

Purpose

To review at an overview level the information available within BP as related to understanding of pressure-flow behaviour of the MC252 system - data, assumptions, methodologies, tools

To check whether further detail on any of these aspects would be of assistance to National Lab staff in their work for Secretary Chu, and if so to set up meetings between the relevant groups

Information for review

MC252 fluid properties and flowing conditions

Modelling of two phase flow

Measurement of two phase flow

Units of measurement / conversion to standard conditions

Direct flow measurements - RITT, Enterprise, Q4000

Flow path scenarios including subsurface constraints

Use of proportional change in rate for decision support

WHFP pressure measurement

History of WHFP vs BOP status and interventions

Shared objectives

How can pressure – flow understanding be improved to determine whether rupture discs are still intact?

How can flowrate prediction accuracy be improved and the range narrowed to better support operational decisions on dynamic kill and capacities for containment?