

From: LeBleu, John B
Sent: Mon Jan 11 18:30:51 2010
To: Morel, Brian P
Subject: RE: Macondo potentially depleted sand - contingency plan for massive losses.
Importance: Normal

There are some advantages to using the drilling fluid vendor's products, but I can support using Frac-Attack if that is the way the team wants to go. I would pump a large pill in that case also.

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From: Morel, Brian P
Sent: Monday, January 11, 2010 12:01 PM
To: LeBleu, John B; Hafle, Mark E; Cocalles, Brett W
Cc: Guide, John
Subject: RE: Macondo potentially depleted sand - contingency plan for massive losses.

This is going to be a different animal than we saw on Kodiak if the sands are depleted even partially. I think we should review the options in more detail, as well as the decision trees we already created for this interval and come up with a plan that works for the Horizon. Other teams have had good luck with Frac attack too, which isn't as difficult to prepare as Ez-squeeze.

Brian

From: LeBleu, John B
Sent: Monday, January 11, 2010 11:55 AM
To: Morel, Brian P; Hafle, Mark E; Cocalles, Brett W
Cc: Guide, John
Subject: Macondo potentially depleted sand - contingency plan for massive losses.

If our background LCM does not work and our 84 ppb mixed LCM (containing fiber) does not seem to cure our losses. We have several options. Mark Alberty would favor EZ squeeze (only if the application is a vertical fracture in the sand (a stress cage type situation)). We also have M-I SWACO's Form-a-squeezc, and Form-a-set. Of the three EZ Squeeze takes the most rig time to mix, then Form-a-set (also engineering and time intensive), and Form-a-squeeze (quick and very easy to mix). We had very good success on Kodiak Appraisal with a large 175 bbl Form-a-squeeze pill.

My recommendation would be to plan to have both Form-a-squeeze and Form-a-set on the rig (as we normally do) and pump a large Form-a-squeeze pill if the emergency LCM pit containing the 200 bbls of 84 ppb doesn't stop the losses.

Feedback, opinions?



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