
From: Brown, David
Sent: Wednesday, May 12, 2010 12:59 AM
To: Sabins, Fred
Cc: Watters, Larry
Subject: RE: Bp

Tracking:	Recipient	Read
	Sabins, Fred	Read: 5/12/2010 1:06 AM
	Watters, Larry	Read: 5/12/2010 12:31 PM

I think it went much better than the last meeting..Probably because Kent was not there and Warren just listened. It was more about education about how complex the software is and the numerous inputs (we don't have) that can't be seen from the output file and how each feature effects the output..He was surprised at some of it, like HES entered some centralizer data, but since the feature was not activated the calculations are made at 100% standoff.....He was also disappointed in the GFP going to 0.25 with the "new" reduced pore pressures which led into a "how GFP is calculated". I know I did a great job explaining it (right or wrong) because he then asked for a lesson on "What standoff % means ??? Just another case of me being able to educate the uneducated....But it did allow me to explain that fluid loss is required at GFP of 0.25, not D Air 3000, and the importance of the "testing phase" to have accurate data to input into the software...

Going forward we have to:

- 1) Again demonstrate our software matches HES April 18th run....I think we are close and just need to finalize and document the differences...
- 2) Continue to demonstrate the features of the software and how each effects the output.
- 3) Continue to make adjustments to inputs to find a better match with Actual data, especially the end of the job....
- 4) Evaluate mud log data..Rate in vs rate out to determine if losses occurred during job. Which could be critical to explaining the end of the job pressure profile.....
- 5) Be prepared to meet and present possibly tomorrow afternoon or Thursday morning.....

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-----Original Message-----

From: Sabins, Fred
Sent: Tuesday, May 11, 2010 6:23 PM
To: Brown, David
Subject: Bp

How did it go today?



From: Winters, Warren J
Sent: Monday, May 17, 2010 4:43 PM
To: 'Brown, David'
Cc: MC252_Email_Retention; Watters, Larry; Sabins, Fred; Febbraro, Anthony
Subject: RE: CSI Technologies

Regarding lift pressure:

- What was it actually? *discrepancy between pressure*
- What does simulation predict with centralizers as-run? *not set*
- What does simulation predict with 100% centralization? *not set*

*have to be
intermixing
of fluids*

Regarding actual vs. predicted pressures:

- How well does it match? *close - not enough data*
- Are there discrepancies? *NOT HANG - rheology*
- Explain or conjecture about root causes of pressure discrepancies.

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*many default
values such as
friction pressure, etc.*

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From: Brown, David [mailto:David.Brown@superiorenergy.com]
Sent: Monday, May 17, 2010 12:53 PM
To: Winters, Warren J
Cc: Watters, Larry; Sabins, Fred; Febbraro, Anthony
Subject: FW: CSI Technologies

Warren,

CSI is working to finalize and add clarifications to our report. We have confirmed more of Kent's questions.

- 1) Synthetic Mud as modeled did contain actual MI mud data as obtained from daily drilling report.
- 2) Most of the obvious discrepancies between HES April 18th and CSI best match EQD charts are due to minimal digital data points (every +/- 12 minutes versus every second) presented in the April 18th output file which were used to re-create their plots for comparison....(Comparing to the actual HES charts the match is much better, if CSI could obtain the actual digital data, it would take out the doubts in the comparisons)
- 3) We are also adding CSI's best opinion concerning TOC, Pore Pressure, Frac Gradients, and Lift pressure...
- 4) Adding Well Cat temperature data

Let me know if you have questions or see other areas that need to be clarified...