

From: Sims, David C
Sent: Sun Mar 07 03:08:39 2010
To: Cocales, Brett W
Subject: Re: Forward Plan for review
Importance: Normal

Thanks Brett. Sounds good. Let's hope some of this hard cement got behind the casing.

From: Cocales, Brett W
To: Sims, David C; Hafle, Mark E
Sent: Sun Mar 07 01:23:42 2010
Subject: RE: Forward Plan for review

David, I talked with the guys briefly on the SAT phone as they are having problems with the coms lines. They have a man coming tomorrow.

They feel good with the 11.5 ppg MW. It also gives them a little more margin if they have to bring out on C&K. They will be stopping half way up on CBU to flowcheck, then again before it gets to the stack. If anything looks strange on the FC or PWD tools, they will shut-in and bring up the C&K lines. Sounds like they are aware and have discussed the concerns we have. I don't have any worries about it at this time. Thanks for your input.

Best Regards,
Brett

From: Sims, David C
Sent: Saturday, March 06, 2010 5:15 PM
To: Hafle, Mark E; Cocales, Brett W
Subject: Re: Forward Plan for review

Looks good, thanks.

My only concerns are around the 'bridge'. If there is a real bridge, mw equivalent below it could be higher than 11.5. Should we raise it a bit more to clean out? Either way, I think we should be very careful about gas on btms up. Take it thru the choke at reduced rate?

From: Hafle, Mark E
To: Cocales, Brett W; Sims, David C; Bodek, Robert
Sent: Sat Mar 06 22:33:22 2010
Subject: Forward Plan for review



TREX-05969

BP-HZN-2179MDL00868737

1. TIH to 10,690' (highest point for cement before losses/squeeze) and begin washing and reaming with 11.3 ppg MW to the estimated TOC at 11,255'. Continue W&R to 11,595' (10' below the 16" shoe). At this point, there should be 20' of remaining cement in the rathole below the 16" shoe.
 - a. Record depth for actual firm cement top
 - b. Monitor hole for losses. Circulate as required to clear cuttings above BHA.
 - c. Perform an FIT to an EMW of 12.5 ppg (723 psi w/11.3 MW) w/o picking up test stand (i.e., through top drive w/Halliburton)
 - 2) Following a successful FIT, raise MW to 11.5 ppg and drill remaining cement and clean out at least 20' of rathole below cement. If depth at this point is > 11,638' (previous cleanout depth), CBU, POOH to shoe and perform official MMS shoe test to 12.5 ppg EMW (605 psi w/11.5 MW). [Note: MMS approval 3/6/2010, that 10' of new formation is not required due to the length of open hole below 16" shoe.] If bit did not go below 11,638', there is not a need to CBU prior to the FIT, just boost cuttings above BHA.
 - 3) W&R with 11.5 ppg MW as follows:
 - a. Use caution below 11,638' where WOB / tight hole / packoff issues were encountered while attempting to W&R rathole with 16-1/2" bit originally.
 - b. W&R until Kelly down thru assumed "bridge" in Openhole. CBU if there was a bridge in the well, otherwise continue next step.
 - c. Drop ball to open UR, pull up to 11,585' and UR / cleanout cement in rathole) Use caution, as potential large blocks of cement may pose problems.
 - d. W&R to TD with UR opened. Use caution, as rathole likely contains cement from previous cement jobs on 16" casing.
 - e. Be prepared for high gas levels as experienced previously while cleaning out rathole.
 - 4) Once rathole is cleaned out and hole has been circulated clean, and gas levels have dropped, shut down and check for flow.
 - 5) Raise MW to 11.8 ppg & begin drilling & UR to 13-5/8" liner setting point.
- a. Maintain the following MW weight up schedule (unless PP estimate is higher or LOT was lower than 12.5 EMW):
 - i. @12,500' = 11.8

- ii. @13,000' = 11.9
- iii. @13,500' = 12.0

b. CBU, if TD of section has been reached.

c. Spot 16.5 ppg in rathole, POOH to run 13-5/8" liner.

Regards,

Mark Hafle
Drilling Engineer
BP Deepwater GoM
281-366-4237 (o)
281-687-8216 (m)