From: Morel, Brian P
Sent: Tue Mar 16 14:01:41 2010
To: Hafle, Mark E
Subject: RE: KOP Procedure
Importance: Normal
Attachments: image001.jpg

Want to talk about the spacer volume? If so give me a call. Guide wants to stay with 75 bbls, and we reduced cement to 260 bbls (WSL worried about pressures being that high on the shoe). I agree about the spacer and don't believe spacer serve us any more than being a transition between the fluids, and make the mud turbulent for this situation... We don't need to water wet the hole, because we don't care about it sealing or stick to the walls Just need a hard core to push off. I know some people think I am crazy...

From: Cunningham, Erick
Sent: Tuesday, March 16, 2010 8:49 AM
To: Hafle, Mark E; Morel, Brian P
Subject: RE: KOP Procedure

Mark,

Have not had a chance to look at this in much detail , but I agree that running more spacer here is necessary due to the hole size. 90 feet of coverage is not sufficient and I would agree in theory with the 500 ft target number sited by Jesse as a rule of thumb (even though I really dislike rules of thumb). With this hole size it would be difficult to achieve 500 ft. Would be nice if we could utilize a fluid displacement simulator such as HALS Displace 3D to evaluate how the fluid displacement plan actually looks when modeled.

Interesting compressive strength curves on the 2 systems. It looks like there may have been an issue with the test of the 17.2 ppg system, there is a break in the transit time curve, and it seems to have picked up at a lower transit time after the break?

Regards,
Erick

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From: Hafle, Mark E
Sent: Monday, March 15, 2010 8:52 PM
To: Cunningham, Erick; Morel, Brian P
Subject: Fw: KOP Procedure

Erick

Can you comment on or recommend spacer volumes?

Thanks
Mark

From: Jesse Gagliano <Jesse.Gagliano@Halliburton.com>
To: Morel, Brian P
Cc: Hafle, Mark E
Sent: Mon Mar 15 17:47:19 2010
Subject: RE: KOP Procedure
Attached is the 17.2 ppg slurry with CS. I've also attached the 16.4 ppg that I recommend running. The CS on the 16.4 has better development then the 17.2 ppg. Please review the results.

I also ran some number for the spacer you want to run ahead. The volume you want to run is 75 bbls. Best practices recommend that we run minimum of 1000 to 1500 feet of spacer ahead. In the past I have historically only run 500' of spacer ahead when setting plugs because the volumes can get very large. The 75 bbls ahead is only equal to 90 foot of coverage (based on 29 ½" hole). This footage ahead is not adequate to separate the mud and cement and to water wet the hole / casing. I recommend running the same amount of spacer that we ran on the last job (170 bbls). This will only be 204 feet of coverage based on the 29 ½" hole.

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From: Morel, Brian P [mailto:Brian.Morel@bp.com]
Sent: Monday, March 15, 2010 4:28 PM
To: Jesse Gagliano
Subject: RE: KOP Procedure

Lets pump this 17.2 ppg slurry, do you have compressive strengths on it.

Also, we won't wait on it after pumping. CBU then POOH

Can you please resend the balancing volumes with this new slurry.

Thanks

Brian

From: Jesse Gagliano [mailto:Jesse.Gagliano@Halliburton.com]
Sent: Monday, March 15, 2010 4:17 PM
To: Morel, Brian P
Subject: KOP Procedure
See Attached

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