

Andrews, David



From: Andrews, David
Sent: Wednesday, July 18, 2012 10:37 AM
To: 'Keith.Smelker@shell.com'; A.Baldrige@shell.com
Cc: Anthony.Eymard@shell.com; Neidel, Kris
Subject: RE: Deal Gulch 1-16 - 05-081-07721 - Losses while cementing

Keith,

Please proceed per your plan below. I agree that cement should be close to surface based on calculation, even if there was an air void because of lost circulation above the top of lead. However, if sloughing resulted in packing off the annulus at depth, then the lift pressure may have been abnormally high. We'll see when you have the CBL results.

Thanks,

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From: Keith.Smelker@shell.com [mailto:Keith.Smelker@shell.com]
Sent: Wednesday, July 18, 2012 9:59 AM
To: Andrews, David; A.Baldrige@shell.com
Cc: Anthony.Eymard@shell.com
Subject: Deal Gulch 1-16 - 05-081-07721 - Losses while cementing

David,
Shell attempted to cement the surface section on the above well at the permitted depth of 1500'. We had had partial returns while drilling this section. We were unable to get cement to surface. We pumped as follows:

Hole Size: 13.5"
Casing Size: 10.75"
Depth: 1500'
Rathole to 1509'

Lead Cement: 14.5 ppg, Class G + LCM
Yield: 1.45
Volume: 601 Scks, 154 bbls

Tail Cement: 15.8, Class G + LCM
Yield: 1.15
Volume: 380 scks, 80.7 bbls
Pump Pressure Prior to Bump: 650 psi
Pressure after bump: 1150 psi held 5 minutes and bled off and floats held.

Comments: While pumping displacement had returns from 98bbls to 110 bbls, then lost returns again. Did not see cement to surface. Based upon the lift pressure of 650 psi, cement top should be very close to surface assuming a gauge hole.

Go-Forward Plan: Run SLB CBL. Pump Top Job if top is close to surface. Increase intermediate cement volume to cement intermediate casing to surface.

Please reply with initial approval to move forward with this plan. CBL is planned for 5:30 this evening.

Regards,
Keith Smelker