



State
of
Colorado



Andrews - DNR, David <david.andrews@state.co.us>

SG WD06C-30 N30 495 API# 05045218550000

3 messages

Baltes, Andrew D. <Andrew.Baltes@encana.com>
To: "david.andrews@state.co.us" <david.andrews@state.co.us>

Thu, Apr 11, 2013 at 11:22 AM

David,

Please see the information below regarding the 06C-30 surface cement job:

SG WD06C-30 N30 495 (API# 05045218550000)

Hole Dimensions & Casing Description

Hole Size-	14-3/4"
Casing Size-	9-5/8" with 1.9" parasite tubing
Drilled Depth-	3,050'
Casing Landing Depth-	3,025'

Cementing Details

1,126 sacks of 10.0 ppg LiteFil was pumped (2.79 ft³/sack)

Lift Pressure- The lift pressure at the start of the job was 338 psi. The lift pressure gradually increased as the job progressed to 458 psi prior to bumping the plug. The plug was bumped at 1,077 psi. The frictional pressure loss was calculated at 85 psi, resulting in an expected lift pressure of 370 psi. Mud returns were seen at approximately 15 bbls prior to dropping the top plug and were lost once the pumps were slowed to drop the plug. 20 bbls into displacement full mud returns were regained until the plug was bumped. No cement was observed at surface. With the lift pressures recorded we came up with the top of cement within 100' of surface.

No stage tool was used for the cement job.

Proposal

With the calculations for top of cement, and the lift pressures seen throughout the job, we would like to propose the following plan for topping out:

- 1.) Run in the annuls with 80 grade, 1.9" tubing as far as possible into the annulus of the well
- 2.) Mix Class A, 18.5 ppg cement (1.0 ft³/sack)
- 3.) Pump the Class A cement down the 1.9" tubing and pull as the annulus is filled
- 4.) Pump and pull until cement is observed at surface

Please let me know if you would like to see any other information, or if you have any questions.

Thank You,

Andrew Baltes

Encana Oil & Gas (USA) Inc.

Drilling Engineer-North Piceance Team

W: 720-876-5329 C: 307-851-9350

andrew.baltes@encana.com

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<http://www.encana.com>

Andrews - DNR, David <david.andrews@state.co.us>
To: "Baltes, Andrew D." <Andrew.Baltes@encana.com>

Thu, Apr 11, 2013 at 2:41 PM

Andrew,

Thanks, and please reply with the actual top-out details when you are finished.

David D. Andrews, P.E., P.G.
Engineering Supervisor - Western Colorado

State of Colorado
Oil and Gas Conservation Commission
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Baltes, Andrew D. <Andrew.Baltes@encana.com>
To: "Andrews - DNR, David" <david.andrews@state.co.us>

Mon, Apr 22, 2013 at 3:10 PM

David,

On April 17th, 2013 the top-off on the 06C-30 began by running 1.9" tubing into the annulus until stopped by an obstruction at 210'. The crew pumped 16 yds. of Class A, 18.5 ppg cement while pulling tubing until cement was observed at surface. Due to cement fallback, the crew returned on the 18th and pumped an additional 12 yds. of Class A, 18.5 ppg cement. Cement is at surface on the 06C-30 after pumping a total of 28 yds. of cement.

If you have any question please let me know. Thanks David.

Andrew Baltes

Encana Oil & Gas (USA) Inc.

Drilling Engineer-North Piceance Team

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andrew.baltes@encana.com

From: Andrews - DNR, David [mailto:david.andrews@state.co.us]
Sent: Thursday, April 11, 2013 2:42 PM
To: Baltes, Andrew D.
Subject: Re: SG WD06C-30 N30 495 API# 05045218550000

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