STATE OF COLORADO

COGCC Document No. 2055836

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

BHDU DV01D-11 A11 2100 API# 05103118870000

Baltes, Andrew D. <Andrew.Baltes@encana.com> Thu, Aug 22, 2013 at 10:19 AM
To: "Andrews - DNR, David" <david.andrews@state.co.us>
Cc: "Denzin, Nathan" <Nathan.Denzin@encana.com>

David,

Sorry for the delay on getting you this information. Please see below for top-out details on the DV01D-11.

On July 12th, 2013 the top-off on the DV01D-11 began by running 1.9" tubing into the annulus until stopped by an obstruction at 240ft. The crew pumped 8 yds. (80 sks)of Class A cement with full returns until cement was observed at surface. An additional 1 yard of cement was pumped to ensure good cement to surface. Cement is at surface on the DV01D-11 after pumping a total of 9 yds (90 sks). of Class A cement (Yield 2.70 ft3/sk, Density 18.90 ppg). Attached are images for your reference indicating cement was observed at surface.

Please let me know if you would like any further information or have any questions. Thanks David.

Andrew Baltes

Encana Oil & Gas (USA) Inc.

Drilling Engineer-North Piceance Team

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

andrew.baltes@encana.com

From: Andrews - DNR, David [mailto:david.andrews@state.co.us]
Sent: Wednesday, August 21, 2013 5:22 PM
To: Baltes, Andrew D.
Cc: Denzin, Nathan
Subject: Re: BHDU DV01D-11 A11 2100 API# 05103118870000

Andrew or Nate,

I am looking back through old emails. My phone log indicates that I granted Nate verbal approval to proceed on 7/11/2013. Please reply with your top-out details for this well.

Thanks,

David D. Andrews, P.E., P.G.

Engineering Supervisor - Western Colorado

State of Colorado

Oil and Gas Conservation Commission

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On Thu, Jul 11, 2013 at 12:22 PM, Baltes, Andrew D. <Andrew.Baltes@encana.com> wrote:

David,

Please find the attached isolation scanning log for the DV01D-11 A11 2100. See below for the initial cement details.

Hole Size – 14-3/4”

Casing Size – 9-5/8” with 1.9” parasite tubing

Casing Setting Depth – 2540 ft landing depth

No Stage Tool Was Used

Lift Pressure – Recorded lift pressure was 222 psi. For reference, expected lift pressure was only 197 psi. This 225 psi difference between reported and expected lift pressures can be attributed to the sensitivity of Schlumberger’s pressure analysis equipment.

Pressure To Bump Plug – 850 psi

716 sacks of LiteCrete (9.0 ppg and 2.93 ft3/sack) Lead

251 sacks of G (12.5 ppg and 2.11 ft3/sack) Tail

We Did Not See Cement Returns At Surface

With the lift pressures seen throughout the job we would like to propose the following plan for topping out:

1.) Run in the annulus with 80 grade, 1.9” tubing (tagged at 150’ on trial run)

2.) Mix Class A, 18.5 ppg cement (1.0 ft^3/sack)

3.) Pump the Class A cement down the 1.9" tubing until cement is observed at surface

If the proposal for topping out is deemed acceptable, I will update you with the actual top-out details.

Thank You,

Andrew Baltes

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3 attachments

IMG-20130712-00331.jpg
311K

IMG-20130712-00332.jpg
141K

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