



02054327

Andrews, David**SURFACE CASING TOP OUT**

From: Asuchak, Edward A. [Edward.Asuchak@encana.com]
Sent: Tuesday, April 20, 2010 7:08 PM
To: Andrews, David
Cc: Henning, Steven
Subject: RE: API 05 045 18877 00 - NP WF04B-27 K22 596- 1" Top job notification

David,
I'm still waiting on Schlumberger to get the corrected report to me; however, I can pass on the following information you've requested:

A string of 1" pipe was ran to 75' where it bottomed out with subsequent cementing operations taking place.

Sacks -	40 sks
Yield -	1.17 ft ³ /sk
Slurry Weight -	15.8 ppg
Total volume pumped -	21.0 BBls
Volume Circulated to Surface -	6.0 BBls

This Top Out job was conducted April 17, 2010 on API # 05 - 045 - 18877 - 00, NPWF 04B-27 K22 596.
Should you require further information or have further concerns related to this matter, do not hesitate to contact the under signed at 303-353-5374 or Steve Henning at 720-876-4329.

Regards,
Ed Asuchak
Drilling Supervisor
Encana
Patterson 303

From: Andrews, David [mailto:David.Andrews@state.co.us]
Sent: Monday, April 19, 2010 9:52 AM
To: Asuchak, Edward A.; Neatherlin, Bruce L.; Henning, Steven
Subject: RE: API 05 045 18877 00 - NP WF04B-27 K22 596- 1" Top job notification

Ed,

Please reply with the top out cement details (sacks, yield, slurry weight, and barrels circulated to surface).

Thanks,

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

State of Colorado
Oil and Gas Conservation Commission
707 Wapiti Court, Suite 204
Rifle, Colorado 81650
Office Phone: (970) 625-2497 Ext. 1
Cell Phone: (970) 456-5262
Fax: (970) 625-5682
E-mail: David.Andrews@state.co.us
Website: <http://www.colorado.gov/cogcc>

Andrews, David

From: Henning, Steven [steven.henning@Encana.com]
Sent: Tuesday, April 13, 2010 5:18 PM
To: Andrews, David
Cc: Merendino, Frank; Neatherlin, Bruce L.; Asuchak, Edward A.; Roberts, Floyd E.
Subject: RE: API 05-045-18877-00, Drilling Fluid Loss Detail and No Cement to Surface on Surface Cementing - NP WF 04B-27 K22 596

Follow Up Flag: Follow up
Flag Status: Completed

David, our treatment pressure shows a gradual increase which would lead us to believe that we obtained good lift throughout the job. We had partial returns near the end of the job and a full column of fluid throughout. I feel comfortable that we likely have cement near surface and a top out would suffice. We will run as much 1" pipe as we can down the backside and will report the depths achieved and bbls pumped. Thank you.

From: Andrews, David [mailto:David.Andrews@state.co.us]
Sent: Tuesday, April 13, 2010 5:01 PM
To: Henning, Steven
Subject: RE: API 05-045-18877-00, Drilling Fluid Loss Detail and No Cement to Surface on Surface Cementing - NP WF 04B-27 K22 596

Steve,

Thanks for the correction. With this revised information, my rough calculations indicate that the cement top should be pretty close to surface. I would be comfortable with a top out without running a CBL. However, if you would like an added level of comfort with the actual cement top, then I would be happy to review the CBL if you run one.

Most surface top jobs in Garfield County involve running at least one joint of 1" tubing down the back side and pumping until returns are observed at surface. Please reply with the following after the top out is complete:

- Sacks, yield, and slurry weight of top-out cement
- Barrels of cement circulated to surface

Thanks,

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

State of Colorado
Oil and Gas Conservation Commission
707 Wapiti Court, Suite 204
Rifle, Colorado 81650
Office Phone: (970) 625-2497 Ext. 1
Cell Phone: (970) 456-5262
Fax: (970) 625-5682
E-mail: David.Andrews@state.co.us
Website: <http://www.colorado.gov/cogcc>

From: Henning, Steven [mailto:steven.henning@Encana.com]
Sent: Tuesday, April 13, 2010 4:43 PM
To: Andrews, David

Subject: RE: API 05-045-18877-00, Drilling Fluid Loss Detail and No Cement to Surface on Surface Cementing - NP WF 04B-27 K22 596

I apologize for the error. I checked the plot itself and the lift pressure is closer to **440** psi and not 866 which was reported in a cell.

From: Henning, Steven

Sent: Tuesday, April 13, 2010 4:14 PM

To: 'Andrews, David'

Cc: Asuchak, Edward A.; Record, Steve; Neatherlin, Bruce L.; Merendino, Frank

Subject: RE: API 05-045-18877-00, Drilling Fluid Loss Detail and No Cement to Surface on Surface Cementing - NP WF 04B-27 K22 596

- Hole size: 12-1/4"
- Casing size: 9-5/8", 36#
- Casing setting depth: 1768'
- Flowing casing/lift pressure immediately prior to bumping the plug: 866 psi.
- Sacks, yield, and slurry weight of lead cement and tail cement: Lead - 320 sx, 12.5 ppg 2.11 cf/sk Class G; Tail: 139 sx, 14.0 ppg 1.54 cf/sk Class G.

I have a few questions just for clarification. 1) Do you want us to run a cbl or top-out now? 2) If want a cbl ran, do you want us to send you a copy?

From: Andrews, David [mailto:David.Andrews@state.co.us]

Sent: Tuesday, April 13, 2010 1:53 PM

To: Henning, Steven

Cc: Asuchak, Edward A.; Record, Steve; Neatherlin, Bruce L.; Merendino, Frank; Wall, David C.

Subject: RE: API 05-045-18877-00, Drilling Fluid Loss Detail and No Cement to Surface on Surface Cementing - NP WF 04B-27 K22 596

Steve,

Please reply with the following information for this well:

- Hole size
- Casing size
- Casing setting depth
- Flowing casing/lift pressure immediately prior to bumping the plug
- Sacks, yield, and slurry weight of lead cement and tail cement

After the top out job, provide the following information:

- Sacks, yield, and slurry weight of top-out cement
- Barrels of cement circulated to surface

To: Henning, Steven; Mike Longworth (mike.longworth@state.co.us); Neatherlin, Bruce L.; Shaun Kellerby (Shaun.Kellerby@state.co.us)
Cc: Merendino, Frank; Judy Jordan (jjordan@garfield-county.com)
Subject: API 05-045-18877-00, Drilling Fluid Loss Detail and No Cement to Surface on Surface Cementing - NP WF 04B-27 K22 596

To whom it may concern,

Be advised that Patterson 303 experienced losses while tripping in the hole 04/10/2010 and continued to 04/11/2010. These losses continued on through cementing operations. Further during cementing operations, there was no cement returned to surface.

Date and Time of Losses - 04/10/2010, 1900 hrs to 04/11/2010 1300 hrs.
Estimated Depth of losses - ~1650' to 1768' MD
Volume Lost - 875 BBLs (includes losses during cementing operations)
Mitigated with LCM at 20% and LCM pill on soak.
Losses continued.

Lost circulation during cementing operations. Cement pumping rate 1.0 BBLs/min in an attempt to heal loss zone. Unable to establish returns until 30 BBLs into displacement but lost full returns within 5 minutes of established returns.

Continued pumping at 1.0 BBL/min, ramped rates up from 1.0 to 2.5 then to 3.5 BBLs/min until 127 BBLs displacement away. Returns established at 127 BBLs and reduced pumping rates to 2.0 BBL/min throughout the remainder of operations. Limited returns remained until plug was bumped.
Excess cement volumes increased to 75% (Lead only) from planned pumping operations of 25%; as well as, CemNet additions of 2 #/BBL throughout Lead & Tail Slurries.
Annulus remained full after cementing operations but has since dropped below sight.

Strung 100' Plumb Bob down annulus to determine cmt depth....unable to determine cement depth.

Should you any concerns or require further information, do not hesitate to contact the undersigned at 303-353-5374.

Regards,
Ed Asuchak
Floyd Roberts
EnCana
Drilling Supervisor

This email communication and any files transmitted with it may contain confidential and or proprietary information and is provided for the use of the intended recipient only. Any review, retransmission or dissemination of this information by anyone other than the intended recipient is prohibited. If you receive this email in error, please contact the sender and delete this communication and any copies immediately. Thank you.

<http://www.encana.com>