

Gage,

Thanks for the voice mail update. I understand that fishing was not successful and that Encana is in the process of plugging back for the sidetrack. I have one correction to my Friday email: documentation should be submitted via email or eForm (no hard copies), as discussed in the guidance document.

Bill,

The following RemindmE has been added to the well file: "Dave Andrews provided verbal approval for a request to sidetrack on 11/8/2013. See scanned email correspondence for details."

Thanks,

Dave

On Fri, Nov 8, 2013 at 4:22 PM, Andrews - DNR, David <david.andrews@state.co.us> wrote:
Gage,

Consider this your verbal approval to proceed with the sidetrack (if fishing is unsuccessful). Please note that our sidetrack guidance document was revised recently, although your email summary is still satisfactory. Please save a copy of the new guidance for your records and notify your regulatory personnel.

I understand that your objective formation and BHL remain unchanged. Encana should coordinate with Bill Yokley (COGCC Permitting, Denver) on additional documents to be submitted to our Denver office (hard copy or eForm electronic submittals, as discussed in the guidance document).

I look forward to your post-fishing update, and good luck fishing!

Thanks,

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

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On Fri, Nov 8, 2013 at 3:24 PM, Soehner, Gage A. <Gage.Soehner@encana.com> wrote:

i. Explain the situation that has resulted in the need to sidetrack

After encountering lost circulation at a depth of 4591' MD, the rig began to spot LCM pills to regain circulation. Upon reaming/washing back to bottom to spot a second pill at this depth, a pack-off was encountered and the BHA became stuck. Working the stuck BHA with the rig was unsuccessful, so the decision was to determine a free-point and back off at the fish to commence jarring operations. In the event the jars are unsuccessful, Encana would move towards sidetracking around the fish.

ii. Total measured depth reached in the wellbore being plugged back
4591' MD

iii. Casing set - size(s) and measured depth(s)
9-5/8" 36# J55 LTC at 1122' MD / 1097' TVD

iv. Description of fish in the hole (if any) - including top and bottom measured depths
Bottom Depth: 4570' MD
Top Depth: 4427' MD
Fish is 143' in length, consisting of an 8.75" bit, 30' of 6.5" OD drilling motor, 81' of 6.5" NMDCs, and 31' of 4.5" HWDP

v. Measured setting depths of proposed plugs, heights, and cement volumes
Bottom of Cement Plug @ 4400' MD
Top of Cement Plug @ 3650' MD
Plug is planned to be 750' in length, and will be a total volume of 90 bbls, including excess to account for hole wash & contamination when placing the plug.

vi. Type of cement to be used for all plugs, including slurry weight (ppg) and yield (cf/sk)
17.2# Class G at 0.98 ft³/sk - This is a densified G plug

vii. Measured depth of proposed sidetrack kick-off point
4000' MD

viii. Proposed objective formation(s) for sidetrack hole - new or same as the wellbore being abandoned
Original objective formation, the Williams Fork (WMFK)

ix. BHL target for sidetrack hole - new or same as the wellbore being abandoned (NOTE: a change in the
BHL must be reviewed and approved by COGCC Permitting prior to completing the sidetrack.
Drilling a
sidetrack to an unapproved BHL could result in an NOAV, plugging the well, or both).
Original BHL target, no change

As mentioned I am seeking verbal approval for this potential sidetrack. I will follow up with an email or call when the final decision is made over the weekend. Please let me know.

Thanks,

Gage Soehner
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