

STATE OF
COLORADO

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

COGCC Document No. 2055797

Possible unplanned sidetrack request - ALP Fee 24-6AA - API# 05-045-21802 - Rig Nabors M15

10 messages

Wang, Blade <Feng.Wang@encana.com>

Wed, Jun 19, 2013 at 2:27 PM

To: "david.andrews@state.co.us" <david.andrews@state.co.us>

Mr. Andrews,

As mentioned on the phone, we have a stuck pipe on ALP Fee 24-6AA right now. A sidetrack around the fish is required only if the fishing job failed. Please review the following information for the possible sidetrack.

- i. After reach 5969ft MD, drill string stuck while POOH on the bit trip at 5140ft. Free point was ran and drill string was backed off at 4858' at tool joint. The rig is currently execute fishing job. If the fishing job fail, we will require a sidetrack to bypass the fish and finish drilling the production hole to planned 8118ft MD.
- ii. Total measured depth in the wellbore being plugged back: 5969ft
- iii. 9-5/8" Surface Casing set at 1047'MD
- iv. Fish: 382ft drilling BHA for 8-3/4" Hole, including 8-3/4" PDC bit + 6-1/2" MM + MWD + 1jt 6-1/2" NMDC + 9jts 4-1/2" HWDP.
 - a. Top of fish at 4758' MD (back off HWDP at tool joint)
 - b. Bottom of fish at 5140' MD
 - c. Openhole below fish: 829ft (5140'MD to 5969'MD)
- v. Proposed cement kick-off plug
 - a. Top of Cement plug = 4258 ft
 - b. Height of Cement plug = 500ft
 - c. Cement Volume = 37.8 bbl.
- vi. Type of Cement to be used for the plug
 - a. Cement type: G
 - b. Density: 17.5 ppg
 - c. Yield 0.95 cf/sk
- vii. Planed kick-off point for sidetrack: 4350ft
- viii. Proposed objective formation for sidetrack hole will be the same as the original borehole that will be abandoned.
- ix. BHL target for the sidetrack hole will not be changed. We will drilling 30ft parallel to the original borehole. Once drill pass the fish, we will keep dropping to vertical and aiming the same target box as original planned.

Regards,

Wang, Feng (Blade)

Drilling Engineer

Encana Oil & Gas (USA) Inc.

South Rockies Business Unit

C: 469.215.0906

W: 720.876.3417

Take a closer look: www.encana.com

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<http://www.encana.com>

Andrews - DNR, David <david.andrews@state.co.us>
To: "Wang, Blade" <Feng.Wang@encana.com>

Wed, Jun 19, 2013 at 2:39 PM

Blade,

Conceptually, this plan is acceptable, but I will hold off on providing formal verbal approval until you provide an update on the fishing job (successful or not).

Thanks,

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

State of Colorado
Oil and Gas Conservation Commission
NEW ADDRESS, EFFECTIVE 1/3/2013:
796 Megan Avenue, Suite 201
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>

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Wang, Blade <Feng.Wang@encana.com>
To: "Andrews - DNR, David" <david.andrews@state.co.us>

Wed, Jun 19, 2013 at 2:41 PM

Will do!

Thanks,

Wang, Feng (Blade)

Drilling Engineer

Encana Oil & Gas (USA) Inc.

South Rockies Business Unit

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W: 720.876.3417

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From: Andrews - DNR, David [mailto:david.andrews@state.co.us]
Sent: Wednesday, June 19, 2013 2:40 PM
To: Wang, Blade
Subject: Re: Possible unplanned sidetrack request - ALP Fee 24-6AA - API# 05-045-21802 - Rig Nabors M15

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Wang, Blade <Feng.Wang@encana.com>
To: "Andrews - DNR, David" <david.andrews@state.co.us>

Thu, Jun 20, 2013 at 4:39 PM

David,

We eventually have the pipe free and pulling out of hole now. We are going to have a clean out run after the fish get pulled out. We will then finish drilling the well as originally planned. No sidetrack is need!

Regards,

Wang, Feng (Blade)

Drilling Engineer

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From: Andrews - DNR, David [mailto:david.andrews@state.co.us]
Sent: Wednesday, June 19, 2013 2:40 PM
To: Wang, Blade
Subject: Re: Possible unplanned sidetrack request - ALP Fee 24-6AA - API# 05-045-21802 - Rig Nabors M15

Blade,

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

Thu, Jun 20, 2013 at 5:00 PM

To: "Wang, Blade" <Feng.Wang@encana.com>

Blade,

Thanks for the update.

Dave

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Wang, Blade <Feng.Wang@encana.com>

Sat, Jun 22, 2013 at 2:58 PM

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

David,

We did not get the entire fish out. We recovered all the HWDP, and let MM and MWD in hole. We are going to try to fish it out one more time. If not success, we are planning to put a cement plug and sidetrack the well.

Regards,

Wang, Feng (Blade)

Drilling Engineer

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South Rockies Business Unit

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W: 720.876.3417

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From: Andrews - DNR, David [mailto:david.andrews@state.co.us]

Sent: Wednesday, June 19, 2013 2:40 PM

To: Wang, Blade

Subject: Re: Possible unplanned sidetrack request - ALP Fee 24-6AA - API# 05-045-21802 - Rig Nabors M15

Blade,

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

Sat, Jun 22, 2013 at 3:16 PM

To: "Wang, Blade" <Feng.Wang@encana.com>

Blade,

Good luck fishing the MM and MWD. If that attempt is not successful, then I will need an update on items iv, v, vi, and vii, which I assume will differ from your original June 19 email. I will be able to provide verbal approval upon receipt of the final details on the fish, cement, and depths after this fishing attempt.

Thanks,

Dave

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Wang, Blade <Feng.Wang@encana.com>

Sat, Jun 22, 2013 at 3:19 PM

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

will do!

blade

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Wang, Blade <Feng.Wang@encana.com>

Mon, Jun 24, 2013 at 12:10 AM

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

David,

Here is the update on the Nabors M15 unplanned sidetrack.

i. After reach 5969ft MD, drill string stuck while POOH on the bit trip at 5140ft. We managed to fish 9 joints of HWDP out of the hole and left the Bit+MM+MWD in the hole, we will require a sidetrack to bypass the fish and finish drilling the production hole to planned 8118ft MD.

ii. Total measured depth in the wellbore being plugged back: 5969ft

iii. 9-5/8" Surface Casing set at 1047'MD

iv. Fish: 67.5ft drilling BHA for 8-3/4" Hole, including 8-3/4" PDC bit + 6-1/2" MM + MWD + 1jt 6-1/2" short NMDC.

a. Top of fish at 5797' MD (damaged Gap Sub)

b. Bottom of fish at 5865' MD5969

c. Openhole below fish: 104ft (5865'MD to 'MD)

v. Proposed cement kick-off plug

a. Top of Cement plug = 5297 ft

b. Height of Cement plug = 500ft

c. Cement Volume = 37.8 bbl.

vi. Type of Cement to be used for the plug

a. Cement type: G

b. Density: 17.5 ppg

c. Yield 0.95 cf/sk

vii. Planed kick-off point for sidetrack: 5400ft

- viii. Proposed objective formation for sidetrack hole will be the same as the original borehole that will be abandoned.
- ix. BHL target for the sidetrack hole will not be changed. We will drilling 30ft parallel to the original borehole. Once drill pass the fish, we will keep dropping to vertical and aiming the same target box as original planned.

Regards,

Wang, Feng (Blade)

Drilling Engineer

Encana Oil & Gas (USA) Inc.

South Rockies Business Unit

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W: 720.876.3417

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From: Andrews - DNR, David [mailto:david.andrews@state.co.us]

Sent: Saturday, June 22, 2013 3:16 PM

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

Mon, Jun 24, 2013 at 8:43 AM

To: "Wang, Blade" <Feng.Wang@encana.com>

Cc: Kevin King - DNR <Kevin.King@state.co.us>, Jay Krabacher <jay.krabacher@state.co.us>, Jane Stanczyk - DNR <Jane.Stanczyk@state.co.us>, Don Sharp - DNR <don.sharp@state.co.us>, Shaun Kellerby - DNR <shaun.kellerby@state.co.us>, Mike Longworth - DNR <Mike.Longworth@state.co.us>

Blade: This email confirms my verbal approval to proceed during our telephone call last night. Encana must submit Form 2 and Form 4 within 24 hours, as described in Step 3 of the attached guidance. Your COGCC Permitting contact is Don Sharp if you have any questions related to the submittals.

Don: A RemindmE has been entered, and I will save a copy of this email approval as COGCC Document No. 2055797.

Thanks,

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

Engineering Supervisor - Western Colorado

State of Colorado

Oil and Gas Conservation Commission

NEW ADDRESS, EFFECTIVE 1/3/2013:

796 Megan Avenue, Suite 201

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>

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Statewide UNPLANNED Sidetrack Approval Reporting_09-20-2012.pdf

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