

From: Burger - DNR, Craig
To: [Joan Proulx](#); [Wayne Bankert](#); [Aaron Duncan](#); [Bob Hea](#); [Penny Garrison - DNR](#); [Sarah Freeman - DNR](#); [Shaun Kellerby - DNR](#); [Curtis Conklin - DNR](#)
Subject: Fwd: Nichols 0994-24-16E - API: 05-077-10400-00 Sidetrack Approval Request
Date: Monday, April 09, 2018 7:43:32 AM
Attachments: [Nichols 0994-24-16E - Proposed Plugback WBD.PDF](#)
[ST01 contingency plan - Nichols 0994-24-16E.PDF](#)
[QES - Nichols 0994-24-16E - ST01 D#1.xlsx](#)
[Nichols 0994-24-16E - Current WBD.PDF](#)
[Nichols 0994-24-16E - Plug Back and Sidetrack Procedure.docx](#)
[Statewide UNPLANNED Sidetrack Approval Reporting 10 7 2015.pdf](#)

Aaron,
Sorry I missed your call last night. Laramie has approval to sidetrack per the attached plan. Sidetrack approval reporting procedure is attached.
Thanks,

----- Forwarded message -----

From: Aaron Duncan <Aduncan@laramie-energy.com>
Date: Mon, Apr 9, 2018 at 7:03 AM
Subject: RE: Nichols 0994-24-16E - API: 05-077-10400-00 Sidetrack Approval Request
To: "Burger - DNR, Craig" <craig.burger@state.co.us>
Cc: Joan Proulx <jproulx@laramie-energy.com>, Wayne Bankert <wbankert@laramie-energy.com>, Bob Hea <bhea@laramie-energy.com>

Craig

Also attached is the Plugback/Sidetrack procedure.

Thank you,

Aaron Duncan | Drilling Manager



1401 17th St., STE 1400
Denver, CO 80202
aduncan@laramie-energy.com
Direct: 303.339.4913

Cell: 406.498.4526

From: Aaron Duncan
Sent: Monday, April 9, 2018 12:06 AM
To: 'Burger - DNR, Craig' <craig.burger@state.co.us>
Cc: Joan Proulx <jproulx@Laramie-Energy.com>; Wayne Bankert

<wbankert@Laramie-Energy.com>; Bob Hea <bhea@Laramie-Energy.com>
Subject: Nichols 0994-24-16E - API: 05-077-10400-00 Sidetrack Approval Request

Craig

I am requesting approval to plug back and sidetrack around a fish left in the hole. Details of the events are below.

Well: Nichols 0994-24-16E

Field: Brush Creek

Surface Casing: 8-5/8" 28# J-55 set @ 1550' MD / 1496' TVD

Surface Cement: Cemented to surface with 19bbls of good cement to surface

Original Well TD: 4667' MD / 4325' TVD

Planned Sidetrack Depth: 1800' MD / 1729' TVD

Prog G Sand: 2575' MD / 2426' TVD

Prog Williams Fork: 4515' MD / 4176' TVD

Prog TOG: 6006' MD / 5576' TVD

- Drilled to 4667' when string became stuck on 4/5/18 at 1800hrs.
- Large chunks of shale were circulated out of the hole. Free point confirmed stuck point of 2400'. String was backed off at 2325' (top of fish)
- Washed over fish top to drill out bridge and wash pipe became stuck at 2456'. Jarred out of the hole and 3 joints of wash pipe were left in the hole from 2362'-2456'.
- Jarred on fish for 2 more days at which point it was decided to leave the fish in the hole.

I am requesting approval to set one abandonment plug on top of the fish, and one kick off plug above that to sidetrack from. BHL of permitted well will not change.

Attached is the following:

- Current wellbore diagram
- Proposed plugback wellbore diagram
- Sidetrack directional plan

Feel free to call my cell with any questions or concerns. We will get the rest of the paperwork in the morning.

Thank you,

Aaron Duncan | Drilling Manager



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Craig Burger, P.E.

Northwest Area Engineer



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