

Justin Garrett

From: Burn - DNR, Diana <diana.burn@state.co.us>
Sent: Wednesday, February 24, 2016 9:22 AM
To: Barbara Westerdale; Katrina Andrus - DNR; Dirk Sutphin
Cc: Justin Garrett; Permitting; Josh Lewis
Subject: EXTERNAL: Re: Sidetrack - Wells Ranch BB01-624

Please proceed as proposed.

Thanks,
Diana

On Feb 24, 2016 9:11 AM, "Justin Eastwood" <justin.eastwood@nblenergy.com> wrote:

Diana,

As discussed over the phone, please see the following information regarding the upcoming sidetrack on the Wells Ranch BB01-624, API #05-123-41991.

- 1) Explanation of situation: There was a downhole tool failure resulting in approximately 90' of BHA remaining at the bottom of the well. We have conducted two fishing runs without success are planning to proceed with the sidetrack. At the time of failure we had just completed the curve and drilled about 200' into the lateral.
- 2) Total measured depth of wellbore being sidetracked: 7132'
- 3) Casing set: Conductor – 16", A252A, 42#/ft set at 104'; Surface – 9.625", J-55, 36#/ft set at 1970'
- 4) Description of fish in hole: The driveshaft of the motor snapped leaving the bit, rotary steerable assembly, MWD and the bottom half of the motor downhole. The bottom of the fish is at TD of 7132' MD with the top at 7043' MD.
- 5) Description of proposed plugs: N/A; We will conduct an openhole kick-off

- 6) Type of cement to be used: N/A
- 7) Measured depth of proposed sidetrack KOP: 6,950'
- 8) Proposed objective formations for sidetrack hole: Niobrara C (Unchanged from previous permit)
- 9) BHL target for sidetrack hole: Same as previous wellbore

Please let me know if you have any questions or need any additional information. You can reach using the contact info below or contact Josh Lewis at 303-228-4077.

Thank you,

Justin Eastwood

Drilling Engineer

DJ Basin

1625 Broadway, Suite 2200, Denver, CO 80202

Direct: 303.228.4187 | Cell: 210.788.2747

justin.eastwood@nblenergy.com | www.nobleenergyinc.com

