

From: Diana Burn - DNR [<mailto:diana.burn@state.co.us>]

Sent: Thursday, July 7, 2016 8:45 AM

To: Ty Entenmann <ntenmann@extractionog.com>

Cc: Mike Hickey - DNR <mike.hickey@state.co.us>; Penny Garrison - DNR <penny.garrison@state.co.us>; Barbara Westerdale - DNR <barbara.westerdale@state.co.us>

Subject: RE: Breniman 5 Sidetrack #2

Please proceed as proposed, the APD should be received today.

Thanks,
Diana

From: Ty Entenmann [<mailto:ntenmann@extractionog.com>]

Sent: Thursday, July 07, 2016 7:44 AM

To: Diana Burn - DNR

Subject: Breniman 5 Sidetrack #2

Diana,

We are still having trouble on the Breniman #5, this time it is due to bentonite in the lateral. We drilled through a fault and saw a gamma spike, everything seemed to be fine drilled ahead, but as the bentonite hydrated it started to grab us and limiting our ability to rotate or pump. We got out of it and conditioned mud (tightened our water loss) and weighted up (10ppg). Tried to ream back through it and we are having zero luck making any headway.

With your permission we would like to open hole sidetrack (no cement) at 8,320', this will allow us to move our targets lower and avoid this bentonite at 9300'.

API Number - 0512340428

Total MD drilled to: 16,052'

Surface casing – 9 5/8" 36# set at 1596'.

Proposed fish: None

The plan would be to open hole sidetrack

Proposed sidetrack point – 8,320''

Objective formation of sidetrack: Niobrara

Proposed BHL: 858 FNL 460 FWL Sec 18, T6N, R67W (Same as original APD).



Ty Entenmann

Drilling Engineer

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