

From: [Bennett, Nathan](#)
To: [Richardson, Craig](#)
Subject: FW: RW 4N-5HZX - Sidetrack #2 Approval
Date: Monday, August 14, 2017 2:02:01 PM
Attachments: [RW 4N-5HZXX WBD.PDF](#)
[RW 4N-5HZ Kick Off Plugv1.pdf](#)

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From: Crowder, David
Sent: Friday, August 11, 2017 10:08 PM
To: Diana Burn - DNR <diana.burn@state.co.us>
Cc: Bennett, Nathan <Nathan.Bennett@anadarko.com>; Honas, Kris <Kris.Honas@anadarko.com>; Giles, Eric <Eric.Giles@anadarko.com>; Light, Cheryl <Cheryl.Light@anadarko.com>
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Good Evening, Diana –

Below is the information that we discussed over the telephone. Please contact me if you have any questions.

Well name and API

- RW 4N-5HZX
- 05-123-44612

Explanation of situation and why we need to sidetrack

- Formation: Nio B
- Lateral Category: Single Section Lateral
- Cuttings completely packed off around the 5-1/2" production casing approximately 700' from the prearranged set depth. Without the ability to circulate or pull the pipe free, the decision was made to cut casing at 6,850' MD and pull the unbound pipe to surface. Tomorrow, 8/12, we will proceed with spotting a high vis / high weight plug and a 17 ppg cement kick-off plug that extends from 5950 to 5150' MD. Please see the first attachment for a sketch of the plan.

Total Measured Depth Reached

- 13,851 MD
- 7,060 TVD

Casing Sizes set and MD

- 16" conductor casing set at 97 ft.
- 9.625" surface casing set at 1,860 MD

Type of cement (if necessary)

- 17 ppg kick off plug will extend from 5950' to 5150' MD (GRANITECEM system by Halliburton)
- Plug slurries and placement will be provided by Halliburton (proposal attached)

Measured Depth and TVD of open hole sidetrack point

- 5,350 ft. MD
- 5,159 ft. TVD

Proposed target formation of sidetrack hole if different than permitted

- Same target formation as permit plan

BHL of sidetrack hole

- 40' west of RW 4N-5HZX BHL

Wellbore diagram

- See attached

Thank you,

David Crowder

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