

From: [Burn - DNR, Diana](#)
To: [Tim Brown](#); [Dirk Sutphin](#); [Laurel Faber - DNR](#); [Garrison, Penny](#)
Cc: [Steve Godfrey](#); [Matthew Schwartz](#); [Troy Schindler](#); [Sheila Singer](#); [Matt Barber](#); [Melissa Luke](#); [Delores Montoya](#); [Rachel Milne](#); [DJDrilling Super](#)
Subject: Re: HighPoint Resources Unplanned Sidetrack: Critter Creek 15-6401B (05-123-47301)
Date: Tuesday, October 30, 2018 10:00:25 AM
Attachments: [image001.png](#)
[image001.png](#)

Please proceed as proposed. Please send Document # for new APD to Laurel Faber once it is uploaded.

Thanks,
Diana

On Tue, Oct 30, 2018 at 9:11 AM Tim Brown <tibrown@hpres.com> wrote:

Ms. Burn,

Please see the summary below detailing our plans to sidetrack the lateral section of the **Critter Creek 15-6401B** (API 05-123-47301). Please let us know if you need any additional information.

- While drilling the lateral section at from 10,700' – 12,250' we encountered several tight spots that resulted in unusually high torque and drag in the drill string. We attempted to clean the hole by increasing mud-weight to 9.8 ppg and pumping intermittent high viscosity sweeps. Each attempt to ream downhole resulted in significant spikes in torque and differential pressure. Fluid and cuttings returns indicate frac sand and other unconsolidated materials may be the leading cause of the tight hole and packed off zones. After several failed attempts to clean the hole and drill ahead, we are requesting approval to sidetrack away from the affected lateral section.
- The tight spots in the lateral were noted at 10,400' MD, 11,260' MD, and 12,300' MD
- The total MD of the hole to be abandoned is 13,257'
- The 9-5/8" surface casing string is set and cemented at 1549.5' MD
- The 7" intermediate casing string is set and cemented at 7830' MD
- The Sidetrack KOP is estimated at 9581' MD
 - The objective formation for the lateral sidetrack hole is the Niobrara formation, which is the same objective formation as the lateral section being abandoned.
 - The PBHL of the sidetrack hole is the same as the wellbore being abandoned.
 - There is no fish in the hole and there are no proposed cement plugs.

Thanks,

Tim Brown

Operations Engineer



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