

From: [Diana Burn - DNR](#)
To: [Steve Godfrey](#); [Dirk Sutphin - DNR](#); [Penny Garrison - DNR](#); [Laurel Faber - DNR](#)
Cc: [Matthew Schwartz](#); [Tim Brown](#); [Troy Schindler](#); [Sheila Singer](#); [Matt Barber](#); [Melissa Luke](#); [DJDrilling Super](#); [Delores Montoya](#); [Rachel Milne](#)
Subject: RE: HighPoint Resources Unplanned Sidetrack: Critter Creek 16-5906B (05-123-47310)
Date: Monday, November 12, 2018 1:40:05 PM

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

Thanks,
Diana

From: Steve Godfrey [mailto:sgodfrey@hpres.com]
Sent: Monday, November 12, 2018 10:13 AM
To: diana.burn@state.co.us
Cc: Matthew Schwartz; Tim Brown; Troy Schindler; Sheila Singer; Matt Barber; Melissa Luke; DJDrilling Super; Delores Montoya; Rachel Milne
Subject: HighPoint Resources Unplanned Sidetrack: Critter Creek 16-5906B (05-123-47310)

Ms. Burn;

Please see the summary below detailing our plans to sidetrack the lateral section of the **Critter Creek 16-5906B** (API 05-123-47310). Please let us know if you need any additional information.

- While drilling the intermediate hole section from 7411' – 7524' we encountered a tight spot that resulted in pipe sticking at that point. We were able to work free and circulate clean. We then continued to drill to 7516'. We then noticed the directional survey yielded results that were inconsistent. Following tripping out of the hole to inspect the downhole directional tools it was discovered that the motor had partially unscrewed at the connection above it resulting in a misalignment of the tool face. Due to this, the wellbore has deviated off the well plan.
 - The wellbore is now 49' low to plan and would require exceedingly high doglegs to land it as planned.
 - Current well TD is 7516'
 - There is no fish in the hole
- The last survey taken notes: 7516'MD/7305'TVD placing us 49' low to plan requiring build rates in excess of 18*
- The 9-5/8" surface casing string is set and cemented at 1557' MD
- The Sidetrack KOP is estimated at 6650' MD
 - The objective formation for the intermediate landing point is the Niobrara formation as the current proposed objective
 - Proposed is a 500' balanced cement plug in the 8-3/4" intermediate from 7150' to 6650'

consisting of 41bbls (232sx), .99 yield, 17ppg cement.

- Sidetrack initiation will be at 6650' MD
- BHL of sidetrack of intermediate hole section will be as currently planned

Sincerely,
Steve Godfrey – Drilling Consultant
High Point Resources