

From: [Diana Burn - DNR](#)
To: [Tim Brown](#)
Cc: [Troy Schindler](#); [Jeff Overman](#); [Matthew Schwartz](#); [Sheila Singer](#); [Matt Barber](#); [Rachel Milne](#); [Delores Montoya](#); [Melissa Luke](#); [DJDrilling Super](#); [Laurel Faber - DNR](#); [Penny Garrison - DNR](#)
Subject: RE: HighPoint Resources Unplanned Sidetrack: Critter Creek 15-6401B (05-123-47301)
Date: Monday, October 22, 2018 3:48:56 PM
Attachments: [image001.png](#)

Please proceed as proposed. Please send the document # to Laurel once it is in upload.

Thanks,
Diana

From: Tim Brown [mailto:tibrown@hpres.com]
Sent: Monday, October 22, 2018 3:37 PM
To: Diana Burn - DNR
Cc: Troy Schindler; Jeff Overman; Matthew Schwartz; Sheila Singer; Matt Barber; Rachel Milne; Delores Montoya; Melissa Luke; sabrina.trask@state.co.us; Barbara Westerdale - DNR; Penny Garrison - DNR; DJDrilling Super
Subject: HighPoint Resources Unplanned Sidetrack: Critter Creek 15-6401B (05-123-47301)

Ms. Burn,

Please see the summary below detailing our plans to sidetrack the **Critter Creek 15-6401B** (API 05-123-47301). Attached is a WBD detailing the before and after schematic. Please let us know if you need any additional information.

- While cementing the 7" intermediate casing string we incurred lost fluid returns. After pumping the required cement and spacer fluid, the well began to return fluid to surface. We attempted several times to shut in the well and allow sufficient time for cement to set. After 9 hours, cement set up and flow discontinued.
- After tripping in the hole with the lateral BHA assembly to drill out float equipment, we encountered a tight spot in the 7" cased hole at 7390' MD.
- We tripped out of the hole and ran a caliper log to depth. The caliper log confirmed collapsed 7" casing at 7386' MD.
- We ran a CBL to depth and identified the estimated TOC at 6564' MD. The Niobrara top is at 7248' MD.
- As a result, we made the decision to openhole sidetrack to avoid the section of collapsed casing.
- The total measured depth of the wellbore which we are abandoning is 7860' MD.
- The 9-5/8" surface casing string is set and cemented at 1549.5' MD
- The 7" intermediate casing string is set at 7845.8' MD. The estimated TOC is at 6564'.
- There is a CIBP set inside the 7" casing string at 6741' MD.
- The 7" casing string will be cut at 1900' MD and removed from the wellbore, leaving behind 8-3/4" open hole between the surface casing shoe at 1549.5' MD and the cut 7" casing string at 1900 MD'
- There will be a 400' cement plug pumped inside the 7" casing string from 1950' to 1900' MD. The plug will continue into the 8-3/4" open hole from 1900' MD to 1550' MD. The

estimated volume of cement (+ 20% excess) is 195 cubic ft.

- Cement slurry for plug: Class G, 17 ppg, 0.9912 cu ft./sack
- The Sidetrack KOP is estimated will be at 1550' MD.
- The objective formation for the sidetrack hole is the Niobrara formation, which is the same objective formation as the wellbore being abandoned.
- The PBHL of the sidetrack hole is the same as the wellbore being abandoned.

The "Application for Permit to Drill a Sidetrack Wellbore, Form 2" will be submitted end of next business day as per COGCC guidelines.

Thanks,



Tim Brown
Operations Engineer

Direct: (303) 312-8756
Mobile: (303) 548-9779
Email: tibrown@hpres.com
1099 18th Street, Suite 2300
Denver, CO 80202
www.hpres.com