

**From:** [Craig Burger - DNR](#)  
**To:** ["John Thomas"](#); ["Andrews - DNR, David \(david.andrews@state.co.us\)"](#); ["John Kroshus"](#); ["derek.petrie@iptenergyservices.com"](#); ["jeanell.ries@IPTEnergyServices.com"](#)  
**Cc:** ["john.lamb@steamboatenergy.com"](#); [Barbara Westerdale - DNR](#); [Sarah Freeman - DNR](#); ["shaun.kellerby@state.co.us"](#); [Emily Waldron - DNR](#)  
**Subject:** RE: Foster State #1 Side track  
**Date:** Tuesday, September 29, 2015 4:49:00 PM  
**Attachments:** [Statewide UNPLANNED Sidetrack Approval Reporting 9 16 2015.pdf](#)

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John,

Consider this your verbal approval to proceed with an unplanned sidetrack of Foster State #1 (081-07821). The new wellbore will be given a sidetrack number of 01. Please coordinate submission of the required forms and information shown on the attached guidance document with Sarah Freeman (COGCC Permit Tech - Denver office).

I understand that the objective formation and BHL remain as originally permitted. The Unplanned Sidetrack While Drilling Guidance is attached. Since you won't kick off the sidetrack until after the hunting shutdown, the 24 hour deadline for submitting the Form 2 may be flexible.

Craig Burger  
Northwest Area Engineer



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**From:** John Thomas [mailto:jthomas@rlbayless.com]  
**Sent:** Tuesday, September 29, 2015 3:36 PM  
**To:** Craig Burger - DNR; Andrews - DNR, David (david.andrews@state.co.us)  
**Cc:** john.lamb@steamboatenergy.com  
**Subject:** Foster State #1 Side track

Craig/Dave

Thank you for the quick responses yesterday. I will submit the attached Form 2 electronically this afternoon. We wish to set the sidetrack plug before the hunting shutdown (Oct 7<sup>th</sup>) with a workover rig and tubing. This will allow for sufficient time for the plug to harden and give us better chance at kick-off success. I have a workover rig available for this coming Friday 10/2/2015. I plan to pressure test intermediate and run our CBL prior to starting the plug back work.

- i. Explanation of the situation that has resulted in the need to sidetrack  
 The 6 ¼" hole drilled was drilled with air hammer to 4,780'. The hole deviated ~153 feet to the north of the desired geologic target window because of what is assumed to be complex geologic faulting in the area.
- ii. Total measured depth reached in the wellbore being plugged back

- 4,780 ft.
- iii. Casing set – size(s) and measured depth(s)  
Surface- 9 5/8" @ 602'  
Intermediate- 7" @3,798'
  - iv. Description of fish in the hole (if any) – including top and bottom measured depths  
NA
  - v. Description of proposed plugs: setting measured depths, heights, and cement volumes  
Set 50 sks (57.5 cuft) at 4,002 ft with top of cement at 3,777 ft. We will dress plug to desired kick off depth.
  - vi. Type of cement to be used for all plugs, including slurry weight (ppg) and yield (cf/sk)  
Premium G Cement, 15.8 ppg, 1.15 Cuft/sk
  - vii. Measured depth of proposed sidetrack kick-off point  
3,802'
  - viii. Proposed objective formation(s) for sidetrack hole – new or same as the wellbore being abandoned  
Niobrara-Same as wellbore being abandoned
  - ix. BHL target for sidetrack hole – new or same as the wellbore being abandoned (NOTE: a change in the BHL must be reviewed and approved by COGCC Permitting prior to completing the sidetrack. Drilling a sidetrack to an unapproved BHL could result in an NOAV, plugging the well, or both).  
Same as permitted BHL 2,622' FSL and 2,194' FEL (NW/4 SE/4) Sec 16 T4N R91W

JT

**John D Thomas**  
**Production and Asset Manager**

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