

From: Diana Burn - DNR
To: [Seth Gordon](#)
Cc: [Duane Gonzalez](#); [Holly Duncan](#); [Denver Regulatory](#); [Steve Jenkins - DNR](#); [Penny Garrison - DNR](#)
Subject: EXTERNAL: RE: Emergency Sidetrack Noble Energy Centennial State G34-618 API# 05-123-44610
Date: Monday, March 12, 2018 3:00:38 PM
Attachments: [Statewide UNPLANNED Sidetrack Approval Reporting 10-7-2015.pdf](#)

Please proceed as proposed. A wellbore diagram should be supplied with the APD.

Thanks,
Diana

From: Seth Gordon [mailto:Seth.Gordon@nblenergy.com]
Sent: Monday, March 12, 2018 1:51 PM
To: Diana Burn
Cc: Duane Gonzalez; Holly Duncan; Denver Regulatory
Subject: Emergency Sidetrack Noble Energy Centennial State G34-618 API# 05-123-44610

Good afternoon Diana,

Noble is currently drilling the Centennial State G34-618. Our mud logging interpretation has us possibly faulting into the Sharon Springs formation ~1000 feet into the lateral. Due to the risk of hole stability, Noble would like to pull up hole, perform an openhole sidetrack, drop 30-45' TVD below current lateral, and continue drilling to permitted BHL. Following a previous openhole sidetrack request email, please see the following details:

- 1) Explanation: While drilling at ~8000'MD, well entered a large graben (75-100'). The mud logger on site believes he is seeing Sharon Springs in the cuttings. We have continued drilling and are at about 10,210' MD, but the decision has been made internally to pull up hole and sidetrack the well in order to mitigate the risk of running casing and cementing past the Sharon Springs
- 2) Total depth of wellbore being sidetracked: 10,210'
- 3) Casing set: Conductor - 16", A-52A, 42 #/ft set at 110'; Surface - 9 5/8", J-55, 36 #/ft set at 1950'
- 4) Fish in hole: N/A
- 5) Description of proposed plugs: N/A; this will be an open hole kick-off using a rotary steerable BHA
- 6) Type of cement: N/A
- 7) Measured depth of proposed sidetrack KOP: ~7175-7275' (still within the Niobrara)
- 8) Proposed objective formation for sidetrack: Niobrara B (unchanged from permit)
- 9) BHL target for sidetrack: Same as permitted wellbore

Please let me know if we are good to move forward with our openhole sidetrack or if you need any other information. Thank you!

Seth Gordon
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