

## Light, Cheryl

---

**From:** Diana Burn - DNR <diana.burn@state.co.us>  
**Sent:** Tuesday, September 19, 2017 5:42 PM  
**To:** Salamander, Daniel  
**Cc:** Bennett, Nathan; Honas, Kris; Light, Cheryl; Barbara Westerdale - DNR; Penny Garrison - DNR; Stephen Wolfe - DNR  
**Subject:** RE: Marrs State 30N-10HZ - Sidetrack Approval

**CAUTION:** This message originated from a source external to Anadarko. Do not click on any links or open attachments unless you recognize or have verified the sender and trust the content. Report suspicious email to [ITSecurity@anadarko.com](mailto:ITSecurity@anadarko.com).

Please proceed as proposed.

Thanks,  
Diana

---

**From:** Salamander, Daniel [mailto:[Daniel.Salamander@anadarko.com](mailto:Daniel.Salamander@anadarko.com)]  
**Sent:** Tuesday, September 19, 2017 5:10 PM  
**To:** Diana Burn - DNR  
**Cc:** Bennett, Nathan; Honas, Kris; Light, Cheryl  
**Subject:** Marrs State 30N-10HZ - Sidetrack Approval

Good Afternoon, Diana –

Please see below, and contact me if you have any questions.

### Well name and API

- Marrs State 30N-10HZ
- 05-123-44783

### Explanation of situation and why we need to sidetrack

- Formation: Nio C
- Lateral Category: 1.5 Section Lateral
- We could not get adequate build rates to land the curve in our target formation. We will set a cement kick off plug back to ~600 ft above our original kick off point and then re-drill the curve.

### Total Measured Depth Reached

- 7,518' MD
- 7,360' TVD

### Casing Sizes set and MD

- 16" conductor casing set at 112 ft.
- 9.625" surface casing set at 1,860 ft. MD

### Type of cement (if necessary)

- 17 ppg kick off plug will extend from 6218' to 7018' MD (GRANITECEM system by Halliburton)
  - 360 sacks
- 15.8 ppg isolation plug will extend from 7018' to 7518' MD (PLUGCEM system by Halliburton)
  - 150 sacks

- Plug slurries and placement will be provided by Halliburton

**Measured Depth and TVD of open hole sidetrack point**

- 6,756 ft. MD
- 6,652 ft. TVD

**Proposed target formation of sidetrack hole if different than permitted**

- Same well plan as permit

**BHL of sidetrack hole**

- Same well plan as permit

**Wellbore diagram**

- See attached

Thanks,

Daniel Salamander  
Drilling Engineer  
Anadarko Petroleum Corporation  
O: 720.929.3065  
C: 719.313.1801

[Click here for Anadarko's Electronic Mail Disclaimer](#)