

**From:** [Diana Burn - DNR](#)  
**To:** [Matt Mount](#); [Barbara Westerdale - DNR](#); [Penny Garrison - DNR](#); [mike.hickey@state.co.us](mailto:mike.hickey@state.co.us)  
**Cc:** [Callie Fiddes](#); [DeAnna Baird](#)  
**Subject:** RE: Dittmer KE 20-024HC - Unplanned Sidetrack - API# 05-123-43461  
**Date:** Wednesday, October 19, 2016 6:16:56 PM

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Please proceed as proposed.

Thanks,  
Diana

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**From:** Matt Mount [mailto:[mmount@gwogco.com](mailto:mmount@gwogco.com)]  
**Sent:** Wednesday, October 19, 2016 3:55 PM  
**To:** Diana Burn - DNR ([diana.burn@state.co.us](mailto:diana.burn@state.co.us))  
**Cc:** Callie Fiddes; DeAnna Baird  
**Subject:** Dittmer KE 20-024HC - Unplanned Sidetrack - API# 05-123-43461

Diana

As we discussed on the phone Great Western is proceeding with the unplanned sidetrack of the above referenced horizontal Codell well.

Please review the following information.

- i. An 8-1/2" hole was drilled to the planned TD of 18,045 / 7531' MD/TVD. An error in the seismic interpretation resulted in approximately 3000' of the lateral being located in the Carlisle shale instead of the Codell sand.
- ii. Great western will carry out an open hole sidetrack and re-drill the well so that it avoids the Carlisle shale.
- iii. Operations carried out to date:
  - a. 13-1/2" surface hole was drilled to 1969' MD/TVD
  - b. 9-5/8" surface casing was run and cemented at 1969' MD/TVD
  - c. 8-1/2" hole was drilled to TD of 18,045 / 7531' MD/TVD.
- iv. No fish will be left in the hole.
- v. No cement plugs will be set.
- vi. No cement plugs will be set.
- vii. Estimated sidetrack point will be 11,150' / 7596 MD/TVD.
- viii. The proposed objective formation will not be changed and will be the Codell.
- ix. To avoid intersecting the original hole, the sidetrack wellbore and the BHL for the sidetrack will be moved approximately 25' to the East as shown in the attachment. The mineral interest owners will not change from the original BHL.

Additional paperwork and electronic forms/reports related to this sidetrack will be submitted as required.

Please contact me with any questions or if additional information is required. Thank you



**Matt Mount**

Vice President Drilling

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