

**From:** [Diane McCoy - DNR](#)  
**To:** [Lee, Michael](#)  
**Cc:** [Diana Burn - DNR](#); [Light, Cheryl](#); [Frantz, Sabrina](#); [Connell, Brody \[Spartan Companies\]](#); [Jones, Jacob](#); [Honas, Kris](#); [Kruckenberg, Travis \[NTG\]](#); [Madsen, Alan \[J. Wallem & Assoc\]](#); [Anadarko - Cartel 88](#); [Smith, Ryan](#); [Stiasny, Matt](#)  
**Subject:** Re: KOENIG 1-19 RE-ENTRY- 0512310054  
**Date:** Monday, July 02, 2018 9:33:39 AM  
**Attachments:** [image003.jpg](#)

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Please proceed as proposed. The plugs outlined provide the required aquifer isolation.

Thanks,

Diane McCoy  
Engineer



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On Mon, Jul 2, 2018 at 9:16 AM, Lee, Michael <[Michael.Lee@anadarko.com](mailto:Michael.Lee@anadarko.com)> wrote:

Diane,

Thank you for your time this morning. Below you will find a recap of events and also our plan forward on the KOENIG 1-19 Re-Entry.

Recap of operations:

- Drilled out cement plug from 514' to 1100'
- At around 1100', we saw gas at surface indicating to us that we were through the existing cement plug that was planned to be from 500'-1000'.
- At 1137', we experienced some abnormal drilling parameters and began to see clays and shale in our returns. After drilling another joint down, the decision was made to drill ahead to 2000' to see if there was something in the wellbore that we needed to just get through before returning to original open hole .
- At 2000', there were no indications via returns in our fluid nor drilling parameters that suggested we are in the original open hole.
  - The sidetrack point was believed to be at 1137'.

- We then preceded to obtain a gyro of our current hole which will be submitted with the Form 6A.

- There are no specific doglegs that would suggest a sidetrack from the gyro data

Plan forward:

- TOOH
- TIH w/ cementing assembly to 2000' and pump cmt plug #1 (450sk of GASBLOK)
- TOOH to 900' circulate clean, WOC
- Tag cmt plug #1 at or above 1000'
- At 1000', pump cmt plug #2 (340sk of GASBLOK)
- TOOH to 100' circulate clean, WOC, tag cmt at or above 462'
- TIH and set 8-5/8" CIBP at 80'
- RDMO

Plug #1		Plug #2	
Hole Size (in)	7.875	Hole Size (in)	7.875
BOC	2000	Casing Shoe (ft)	562
TOC	1000	Casing ID (in)	8.097
Yield	1.15	BOC (ft)	1000
Excess (%)	50%	TOC (ft)	100
Volume w/ Excess (bbls)	90.4	Yield (cf/sk)	1.15
Volume w/ Excess (sks)	441.2	Excess (%)	50%
Blend	GASBLOK	Volume w/ Excess (bbls)	69.0
		Volume w/ Excess (sks)	336.9
		Blend	GASBLOK

We are seeking approval to proceed with the outlined planned above. We want to insure that there will be no future impact to development opportunities if we move forward with the above plan. Do we have your permission to proceed and acknowledgement that there will not be development impact due to the adequate isolation of the aquifers?

Thanks,

**MIKE LEE**

**Drilling Engineer**

**970-302-4601**

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