

## Jan Kajiwarra

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**From:** Diana Burn - DNR <diana.burn@state.co.us>  
**Sent:** Monday, November 23, 2015 8:09 AM  
**To:** Kara English  
**Cc:** Permitting; Penny Garrison - DNR; Barbara Westerdale - DNR; Diana Burn - DNR  
**Subject:** EXTERNAL: RE: Moser H34-778 Sidetrack 123-40732

Please proceed as proposed. Please always include the API# to assure we are documenting the correct well.

Thanks,  
Diana

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**From:** Kara English [mailto:[Kara.English@nblenergy.com](mailto:Kara.English@nblenergy.com)]  
**Sent:** Friday, November 20, 2015 7:04 PM  
**To:** [diana.burn@state.co.us](mailto:diana.burn@state.co.us)  
**Cc:** Permitting  
**Subject:** Moser H34-778 Sidetrack

Hi Diana, Here is the information we spoke about.

- a. We would like to side track this well next week. We drilled this well to a TD of 16,465' MD/7,005' TVD in the lower C Marl. Due to torque and drag issues we elected to run a cemented liner. The liner was run to bottom and our cement job was pumped. Due to a failure in the liner hanger running tool, we cemented up our liner when the running tool washout out to our 7" and our liner wiper plug failed to launch. We set the liner hanger and liner hanger packer. We got a good jug test on the hanger packer and a good test on the tubing head, so the system is secure. We are currently RR on this well, and drilling the final well on this pad. Once finished we would like to skid back over and sidetrack the 778.
- b. 16,465' MD/ 7,005' TVD
- c. Surface Casing: 9-5/8" set @ 837'. Intermediate Casing: 7" set @ 7,404'. Production Liner: 4.5" set @ 16,487', TOL @ 7,207'.
- d. No fish in the hole.
- e. Liner is cemented up, and TOL tested good. Proposing no additional cement or plugs. Would test the entire system prior to setting whip stock and sidetracking out of 7".
- f. No additional cement.
- g. Kick off at 7,190' MD/7,005' TVD
- h. Drill sidetrack lateral in the C Chalk.
- i. Keep BHL the same.

I think that should be it. Let me know if you see anything I missed. Thank you!

**Kara English**  
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