

## Adam Johnson

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**From:** Bob Koehler - DNR <bob.koehler@state.co.us>  
**Sent:** Wednesday, March 14, 2018 10:17 AM  
**To:** Adam Johnson; Edith Difima - DNR  
**Cc:** Regulatory; Mark Degenhart; Lance Bentley  
**Subject:** RE: Injection Well Permit Review

I assume we used the water sample as the basis for and getting the Aquifer Exemption. Don't know why we didn't have a record, I may have buried it where no one could find it. If we really don't have a record for it we'll take this one and add it to the file.

Cheers,

**Robert P. (Bob) Koehler, PhD.**  
**UIC Lead – Geology Advisor**

*Phone: 303-894-2100 x5147*

*Email: [Bob.Koehler@state.co.us](mailto:Bob.Koehler@state.co.us)*



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**From:** Adam Johnson <[ajohnson@foundationenergy.com](mailto:ajohnson@foundationenergy.com)>  
**Sent:** Wednesday, March 14, 2018 8:38 AM  
**To:** Difima - DNR, Edith <[edith.difima@state.co.us](mailto:edith.difima@state.co.us)>  
**Cc:** Bob Koehler - DNR <[bob.koehler@state.co.us](mailto:bob.koehler@state.co.us)>; Regulatory <[regulatory@foundationenergy.com](mailto:regulatory@foundationenergy.com)>; Mark Degenhart <[MDegenhart@foundationenergy.com](mailto:MDegenhart@foundationenergy.com)>; Lance Bentley <[lbentley@foundationenergy.com](mailto:lbentley@foundationenergy.com)>  
**Subject:** RE: Injection Well Permit Review

Good morning,

Wickstrom 6-12 – form 33 subsequent – we are going to let the application be withdrawn. We are going to keep monitoring water flood performance by injecting water into the water leg, before we decide to convert the Wickstrom 6-12 to gas injector and inject gas into the gas cap.

Behring 23-7 – form 33 subsequent – we plan to MIT the well within the next couple of weeks and submit the form 33 subsequent to begin injection into the Behring 23-7.

I had a few questions regarding the COA's on the Behring 23-7 form 33/31:

1. We have water samples from the injection zone from 2014, can this analysis be used to satisfy the COA? See attached.
2. Who is the person of contact at the COGCC to discuss the step rate test procedure listed as a COA?

**Adam Johnson | Operations Engineer**

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**From:** Difima - DNR, Edith <[edith.difima@state.co.us](mailto:edith.difima@state.co.us)>  
**Sent:** Tuesday, March 13, 2018 12:41 PM  
**To:** Adam Johnson <[ajohnson@foundationenergy.com](mailto:ajohnson@foundationenergy.com)>  
**Cc:** Neil Hutton <[nhutton@foundationenergy.com](mailto:nhutton@foundationenergy.com)>; Bob Koehler - DNR <[bob.koehler@state.co.us](mailto:bob.koehler@state.co.us)>  
**Subject:** Fwd: Injection Well Permit Review

Dear Operator,  
This email is forwarded to you because we have not heard back from Mr. Sauer.

Thank you

----- Forwarded message -----

**From:** Difima - DNR, Edith <[edith.difima@state.co.us](mailto:edith.difima@state.co.us)>  
**Date:** Fri, Mar 9, 2018 at 3:29 PM  
**Subject:** Injection Well Permit Review  
**To:** [regulatory@foundationenergy.com](mailto:regulatory@foundationenergy.com)  
**Cc:** Bob Koehler - DNR <[bob.koehler@state.co.us](mailto:bob.koehler@state.co.us)>, [jsauer@foundationenergy.com](mailto:jsauer@foundationenergy.com)

Dear Operator,

You submitted a Form 33 Subsequent -Injection Well Permit Application for the Wickstrom #6-12 (05-123-32065) in Feb 06, 2017.

No MIT has been done on the well and we didn't receive any updates on this well.

If we do not hear back from you by March 16, 2018, your application will be withdrawn.

Also, the Behring #23-7 (05-123-21830) Subsequent Form 33 has not been submitted.

Please update us on the status of this well

Thanks,

Let us know if you have any questions

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**Edith Difima**

Integrity Engineer- COGCC

Department of Natural Resources



**COLORADO**  
Oil & Gas Conservation  
Commission  
Department of Natural Resources

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### WATER ANALYSIS

COMPANY: FOUNDATION ENERGY

LEASE: BEHRING 23-7

FAX:

DATE: 6/23/2014

E-MAIL:

SAMPLE NUMBER: **WS06231408**

#### DISSOLVED SOLIDS:

#### WELL DATA

##### CATIONS:

Sodium, Na (Calc) ppm: 1,348

Calcium, Ca, ppm: 818

Magnesium, Mg, ppm: 204

Depth: ft

Formation:

Water BPD:

##### ANIONS

##### OTHER PROPERTIES

Chlorides, Cl ppm: 3,000

Sulfates, SO<sub>4</sub>, ppm: 125

Bicarbonates, HCO<sub>3</sub> ppm: 1,769

Carbonates, CO<sub>3</sub> ppm:

pH: 6.5

Specific Gravity: 1.004 68 °F

Resisivity (Meter) ohm\*M: 1.3 68 °F

Total Hardness, ppm: 1022

Total Dissolved Solids (Calculated) ppm:

Derived from Specific Gravity, ppm: 5,400

Iron, Fe (Total) ppm: 250

Sulfide, as H<sub>2</sub>S ppm: 0

#### REMARKS AND RECOMMENDATIONS:

Analyst: