

STATE OF  
COLORADO

EnviroScan - DNR, OGCC &lt;dnr\_ogcc.enviroscan@state.co.us&gt;

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**Fwd: Berry Petroleum House Log Gulch Facility ID: 436375**

1 message

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**Fischer - DNR, Alex** <alex.fischer@state.co.us>  
To: OGCC EnviroScan - DNR <ogcc.enviroscan@state.co.us>

Mon, Nov 24, 2014 at 9:42 AM

Please upload email and attachments to: Pit Facility ID: 423846.

Thanks  
Alex

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

From: **Burns, Bryan** <[BBurns@linnenergy.com](mailto:BBurns@linnenergy.com)>

Date: Wed, Nov 19, 2014 at 3:24 PM

Subject: RE: Berry Petroleum House Log Gulch Facility ID: 436375

To: "Fischer - DNR, Alex" <[alex.fischer@state.co.us](mailto:alex.fischer@state.co.us)>, "Johnson, Derek" <[DSjohnson@linnenergy.com](mailto:DSjohnson@linnenergy.com)>, "Ghani, Debbie" <[DGhani@linnenergy.com](mailto:DGhani@linnenergy.com)>Cc: Steve Jenkins - DNR <[steve.jenkins@state.co.us](mailto:steve.jenkins@state.co.us)>, Dave Kubeczko - DNR <[dave.kubeczko@state.co.us](mailto:dave.kubeczko@state.co.us)>, John Noto - DNR <[john.noto@state.co.us](mailto:john.noto@state.co.us)>

Alex,

Thank you very much for the response. We have collected the items you requested to wrap up the House Log Gulch Water Storage Tank Farm Form 28 review and LINN's request for a temporary extension on the Latham I-02 water impoundment.

House Log Gulch Water Storage Facility Form 28:

1. We are happy to provide a \$1.5M surety bond for financial assurance if this is the amount your third party reviewers recommend we use. If possible, we'd like to have confirmation of this amount before we proceed, as the bond requires signature from a LINN officer in Houston and can be time consuming given those folks' schedules. Unless we hear otherwise, we will prepare a \$1.5M bond and send to you shortly.
2. Attached, please find the Form 2A for the House Log Gulch facility. Location ID: 436375, Document Number: 400563225

Latham I-02, Pit Facility ID 423846:

1. The first of three tanks will be in operation by December 2015, with the remaining two tanks scheduled to

be complete by 2017. Closure of all related pits will coincide with initial operations of the first tank (Aug.-Dec. 2015)

2. The Latham I-02 pit is out of service (no new water being added to the pit), however the multiple liners are still in place pending an extension decision by COGCC. The liners are in excellent shape and the leak detection system remains operational.

3. Description of the use & purpose of the facility:

a. The Linn Operating, Inc. I-02 Water Impoundment Facility (I-02) is used to handle produced water gathered from LINN's natural gas well sites, northwest of Parachute, Colorado in Garfield County. The wells that will be contributing fluids to this facility are considered as one waste stream. Produced water will be transported primarily via truck and pipeline. Prior to transport of water to the I-02, residual oil or condensate will be allowed to separate by gravity from the produced water and then is removed via a series of gravity separator tanks on the well pads. After residual oil/condensate removal at the well pads, the water is then transported to the facility.

b. The I-02's primary purpose is to centralize produced water operations on a single location. The produced water that will be stored in I-02 originates from Linn's O-36A, O-36B, L-04, M-04, H-07A, K-17, D-20, E-18, J-13, O-13, E-13, and EL-12 pads. Storage of the water in I-02 will maximize the amount of water kept on the plateau for reuse in drilling, completions, and production activities (until the House Log Tank farm enters the first phase of operation in 2015).

4. To supplement the previously provided Form 4 sundry, attached please find the requested:

- a. pit history
- b. as built drawing
- c. maintenance/monitoring/SOP document
- d. emergency response plan

5. No NOVs or NOAVs have been received for this facility.

6. Realistically, pit closure will begin in late summer of next year.

Thank you all for your consideration of these two projects. As LINN moves to long-term water storage projects like the House Log Facility, we would appreciate the ability to store water in the I-02 pit until the new tank capacity is brought online.

Please contact me with any questions!

Best,



**Bryan Burns** | Environment, Health, and Safety | Direct: 303-999-4245 | Cell: 303-726-8040

**Our Values: Embrace & Drive Change - Pursue Growth - Take Action - Respect Others - Be Passionate - Connect**

**From:** Fischer - DNR, Alex [mailto:[alex.fischer@state.co.us](mailto:alex.fischer@state.co.us)]

**Sent:** Tuesday, October 28, 2014 10:03 AM

**To:** Burns, Bryan

**Cc:** Steve Jenkins - DNR; Dave Kubeczko - DNR; John Noto - DNR

**Subject:** Berry Petroleum House Log Gulch Facility ID: 436375

Bryan,

I am wrapping up the House Log Gulch Fm 28 review with minimal comments and review of the Latham I-02, Facility ID 423846.

**For the the Fm 28 Review the following is needed:**

- Berry estimates \$1.5M for financial assurance. Although the COGCC has a third party contractor reviewing the Form 28 and financial assurance, prior to issuing the Form 28, at least \$1.5 M shall be provided to the COGCC. After the third party review, the financial assurance may be adjusted to reflect estimated costs for decommission, remediation, and reclamation of the House Log Gulch Facility. Please contact Martha Ramos ([303-894-2100](tel:303-894-2100) Ext. 5123) regarding this process.
- I could not find a Form 2A for the House Log Gulch Oil and Gas Location. Please provide the Location ID and Document Number for the Form 2A.

**For the Latham I-02, Pit facility ID 423846 the following is needed:**

- How long will it take to construct the House Log Gulch Facility?
- COGCC was under the understanding that the Latham I-02, Facility 423846 was in the process of closure. Please advise.
- The Sundry Form 4 provided a historic time line of the Location (Pad History) including a cursory history of the Pit Facility. Please provide specifics of the Pit Facility including: as-built construction of the Pit Facility, maintenance of the Pit Facility performed, use of the Pit Facility, address any inspections and/or notices of alleged violations (NOAVs) and how these inspections and/or NOAVs were addressed.
- What is a realistic time frame for continued use of the Pit Facility?

Thanks

Alex

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Alex Fischer, P.G.

Environmental Supervisor, Western Colorado



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#### 5 attachments

 **LINN Energy House Log Gulch Form 2A Doc 400563225.pdf**  
200K

 **I02 697 Pit History.docx**  
20K

 **i-02-697 Temp Water Storage as-built.pdf**  
6415K



**WATER IMPOUNDMENT MONITORING GARDEN GULCH SOP procedures (SOP).docx**

19K



**Emergency Response Plan- Latham I-02- 10-02-14 Revision.docx**

115K