



STATE OF  
COLORADO

Andrews - DNR, Doug <doug.andrews@state.co.us>

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## Dutch lake 12-14H

3 messages

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**Venessa Langmacher** <vlangmacher@billbarrettcorp.com>

Fri, Sep 20, 2013 at 9:27 AM

To: "Andrews - DNR, Doug (doug.andrews@state.co.us)" <doug.andrews@state.co.us>

Hey Doug,

The sundry has been resubmitted. Document #400483543. Please let me know if you need any additional information.

Thanks,

Venessa Langmacher

Senior Permit Analyst

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**Bill Barrett Corporation**

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**Andrews - DNR, Doug** <doug.andrews@state.co.us>

Fri, Sep 20, 2013 at 10:33 AM

To: Venessa Langmacher <vlangmacher@billbarrettcorp.com>

Venessa,

I need a few more things for this one.

1) A location Drawing that shows exactly where the LVSTs will be placed on the location. You have indicated they will be set on the West side of the pad, but we need to see exactly where such that no new disturbance will be needed as you state and that they meet the setback requirement (75 feet minimum) for the well and other facilities already on this location.

2) We will place several Conditions of Approval related to LVSTs. They are included below:

"Only freshwater from an adjudicated consumable supply permitted in the LVSTs. Use to contain flowback during hydraulic fracturing operations or E&P wastes is not allowed."

"LVSTs shall be constructed and operated in accordance with a design certified by a Colorado Licensed Professional Engineer."

"Liner material shall not be reused."

"All liner seams shall be welded at the liner manufacturers' facility conforming with engineered design."

"Site preparation oversight will be provided by a Colorado Professional Engineer."

"LVSTs will be brought into service incrementally, by loading to 25%, 50%, 75% and 100% capacity (subject to freeboard) and held at each level without leaks for 24-hours prior to increasing load."

"Signs shall be posted on each LVST to indicate that the contents are freshwater and that no E&P waste fluids are allowed. Location and additional signage shall conform to Rule 210."

"LVSTs will be operated with a minimum of 1 foot freeboard."

"Access to the tanks shall be limited to operational personnel."

"Operators or their designated representative shall conduct regular visual inspections of the exterior wall and general area for any integrity deficiencies. These inspections shall be recorded and maintained for a period of at least 5 years per Rule 205. Inspection records shall be provided to the COGCC upon request."

"Each operator shall develop a Contingency Plan for any LVST leak or catastrophic failure of the tank integrity and resulting loss of fluid. The plan should include a notification process to the COGCC and local Emergency authority (municipality, county or both) for any failure and resulting loss of fluid. Best Management Practices (BMPs) shall be employed to prevent injuries, property damage or environmental impacts, such as erosion of onsite sediment into nearby surface water."

[Quoted text hidden]

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*Doug Andrews*

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Colorado Oil & Gas Conservation Commission  
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Denver, CO 80203

[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)  
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**Venessa Langmacher** <[vlangmacher@billbarrettcorp.com](mailto:vlangmacher@billbarrettcorp.com)>  
To: "Andrews - DNR, Doug" <[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)>

Fri, Sep 20, 2013 at 11:05 AM

Attached please find the pad diagram of the location and the original disturbance. The red circles indicate where the tanks will be set. They will be placed at a minimum of 75' from the well and all other facilities on the location. Note that the reserve pit was never constructed; this well was drilled closed loop. Also attached is a diagram showing the facilities on the location.

BBC is in agreement with the COA's listed below.

**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]

**Sent:** Friday, September 20, 2013 10:33 AM

**To:** Venessa Langmacher

**Subject:** Re: Dutch lake 12-14H

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**2 attachments**



**Pages from 20120816 DUTCH LAKE #12-14H Revised Plat.pdf**  
410K



**Prod Facilities.pdf**  
246K