

## Dave Kubeczko - DNR

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**From:** Dave Kubeczko - DNR  
**Sent:** Wednesday, December 24, 2014 8:26 AM  
**To:** dave.kubeczko@state.co.us  
**Subject:** FW: Final Approval - Berry-Linn - House Log Gulch Tank Farm - Form 2A #400563225

**Categories:** Operator Correspondence

**Scan No 2107227      CORRESPONDENCE      2A#400563225**

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**From:** Dave Kubeczko - DNR [mailto:[dave.kubeczko@state.co.us](mailto:dave.kubeczko@state.co.us)]  
**Sent:** Monday, December 22, 2014 8:56 AM  
**To:** David Andrews - DNR  
**Cc:** John Noto - DNR; Alex Fischer - DNR  
**Subject:** RE: Final Approval - Berry-Linn - House Log Gulch Tank Farm - Form 2A #400563225

Dave,

I have addressed yours and Alex's issues as shown below in red. I have placed the Form 2A#400563225 back into "IN PROCESS".

If you have any questions, please do not hesitate to call me at (970) 309-2514 (cell), or email. Thanks.

Dave

David A. Kubeczko, PG  
Oil and Gas Location Assessment Specialist  
Western Colorado



Colorado Oil & Gas Conservation Commission  
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 *Please consider the environment before printing this e-mail*

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**From:** Fischer - DNR, Alex [mailto:[alex.fischer@state.co.us](mailto:alex.fischer@state.co.us)]  
**Sent:** Wednesday, November 26, 2014 7:53 AM  
**To:** Andrews - DNR, David  
**Cc:** Dave Kubeczko - DNR; John Noto - DNR  
**Subject:** Re: Final Approval - Berry-Linn - House Log Gulch Tank Farm - Form 2A #400563225

On Wed, Nov 26, 2014 at 7:04 AM, Fischer - DNR, Alex <[alex.fischer@state.co.us](mailto:alex.fischer@state.co.us)> wrote:  
Dave-

It appears that you are doing Final Approval of the 2A and that Dave passed the 2A on 11/25/14.

This is an existing location of Berry's (LINN) storage and laydown yard, so at this time there is not a location ID assigned. I created E&P Facility ID 436375 which is not a Location. No wells are going to be drilled from this location. If drilling program indicates well information then that should be nulled out and any references about wells should be corrected on the 2A. **Information provided on the "Facilities" tab consists of equipment for the Form 28 tank facility, not wells. Information provided on the "Construction, Drilling, and Waste" tab particularly the "Drilling Program" section can't be undone by permit staff once they have been marked by the operator. This would have to be done by OIT and is probably not necessary.**

The operator should be in compliant with Rule 215 on the 2A. **PDOP of 2.8 was provided by Linn on 12-04-14.**

The operator provided a reclamation plan in the Fm 28. The 2A submittal should be consistent with the Fm 28 submittal. **Form 2As do not require reclamation plans, so the reclamation plan from the Form 28 does not need to be attached to the Form 2A.**

The operator commented under BMP/COA "PLEASE SEE PAPERWORK ON THE FORM 28 (E&P WASTE MANAGEMENT PERMIT)". The Fm 2A and Fm 28 are two (2) stand alone permits and are two (2) separate documents. It is my opinion that the operator should prove the required information on the 2A and not merely reference the Fm 28. **Stormwater/Erosion Control BMPs were provided by Linn on 12-04-14, and added to the "Operator BMP/COA" tab.**

Under Related Forms, the operator should include the related Form 28. **Since the Form 28 is not an eForm, it cannot be added to the "Related Forms" tab. The following comment has been edited on the "Submit" tab: Related Form is a Form 28 for an E&P Facility with a Document and Facility ID number of 436375.**

We are waiting on the the 2A approval and Financial Assurance. Upon approval of the 2A and receipt of the Financial assurance, the Form 28 will be approved.

## COGIS - CENTRALIZED EP WASTE MGMT FAC Information

Related  Insp  GIS

### House Log Gulch Tank Farm - #436375 Information Status: XX

Facility ID:	<b>436375</b>	Facility Name/No:	<b>House Log Gulch Tank F</b>
Facility Status:	<b>XX</b>	Status Date:	<b>3/10/2014</b>
Operator Name:	<b>BERRY PETROLEUM COMPANY LLC</b>	Operator Number:	<b>10091</b>
County:	<b>GARFIELD - #045</b>	Location:	<b>SESE 32 5S 96W</b>
		Lat/Long:	<b>39.565619/-108.186702</b> se
Comment:	<b>Form 28 Received on 2/20/14. In review stage. Not approved. AFischer 3/10/14</b>		

Thanks

Alex

On Tue, Nov 25, 2014 at 6:03 PM, Andrews - DNR, David <[david.andrews@state.co.us](mailto:david.andrews@state.co.us)> wrote:  
Alex,

You have an Alert on the GIS, "Issue: 2A & Form 28"  
Do you still have any concerns? Do you need to remove the Alert?

Dave K,

I see that we marked the form as a New Location, from the permitting comment:

Permit	Return to draft. Asked operator to mark as a new location and remove the location ID #436375 after speaking with OGLA.	6/23/2014 11:13:55 AM
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It looks like an existing location on the aerial photo, so that comment seems out of place. Could you please elaborate with a new Comment? **This site is the current laydown yard, which is not an oil and gas location, so it does need to be permitted as a new location. Comment has been removed.**

*This location assessment is included as part of a permit application.* is checked Yes, but there are no associated wells or Form 2s planned for the location. Should you uncheck that box? **Box has been unmarked. Previously, this box has and has not been checked for other Form 28 locations since the Form 2A is actually part of another permit (Form 28) application.** Should the drilling program data fields be nulled out too? **They can't be undone by permit staff once they have been marked by the operator. This would have to be done by OIT and is probably not necessary.**

Operator's typo: **Has been corrected.**

Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

Facility pipelines will **ra**be from 6" to 12" steel, flex steel for produced sizes will be determined during the construction of the facility and detai

*Estimated date that interim reclamation will begin: 06/01/2039* Is that for real? **Yes, Form 28 locations remain operating for 20 to 30 years.** The operator commented, "...there won't be any interim reclamation." **Yes, Form 28 locations remain the same size until they are closed, thus there is no interim reclamation. Reclamation/stabilization is done on cut and fill slopes.**

The operator commented, "...PDOP reading didn't take place but I had to fill the tab to submit." That is not compliant with Rule 215. **PDOP of 2.8 provided by Linn on 12-04-14.**

Thanks,

Dave  
A

David D. Andrews, P.E., P.G.  
Engineering Supervisor - Western Region



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-----Original Message-----

From: Bang, Heidi [mailto:[HBang@linnenergy.com](mailto:HBang@linnenergy.com)]  
Sent: Thursday, December 04, 2014 2:45 PM  
To: 'Dave Kubeczko ([dave.kubeczko@state.co.us](mailto:dave.kubeczko@state.co.us))'  
Cc: Johnson, Derek  
Subject: Document 400563225- House Log Gulch Tank Farm Location 2A permit

Dave,

Sorry for the delay on the House Log Tank Farm. Please see answers below and BMP document attached.

1. GPS Reading for the Tank Farm - PDOP 2.8
2. List of BMP's- Attached
3. Size of disturbed area during Linn construction in acres is 3.48.
4. Size of location after interim reclamation (Linn and Marathon) in acres is 8.54.

The reason for leaving the acres is because the location is already disturbed. The 12.02 acres on the plat is the total of Marathon's and LINN's acres. This might be why there was some confusion? Please let me know if you need anything else.

Heidi Bang | LINN Energy | Admin Assistant 2 | Direct: 303-999-4262 | Fax: 303-999-4362  
Our Values: Embrace & Drive Change - Pursue Growth - Take Action - Respect Others - Be Passionate - Connect

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## List of BMPs

### 5.6 Best Management Practices

A number of different BMPs may be used on the various future well pad sites. They are listed and described below.

#### Continuous Berms, Ditches, and Diversions

These types of controls use ditches, berms of soil, or both (diversions) to convey surface runoff from disturbed areas to a stabilized outlet or to divert surface runoff

away from disturbed areas. A stabilized outlet can be any kind of sediment trapping device or simply a well-vegetated and stabilized area.

Continuous berms, ditches and diversions are useful for erosion and sediment control around the perimeter of construction sites. The berms either detain and pond sediment laden storm water, or direct it to a stabilized outlet.

#### Sediment Basins or Traps

Sediment basins or traps are used to either detain storm water by slowing the flow of water and/or storing water behind an embankment. These pond-like structures reduce the velocity of storm water flow and allow sediments and suspended solids to settle out of the storm water. Water remains in the sediment basin until evaporation occurs, water seeps into the subsurface, or the water reaches the level of a stabilized outflow and is discharged. Since sediment basins are temporary, they must be maintained until the disturbance area is permanently stabilized.

#### Check Dams

Check dams are small temporary dams constructed of rock, sandbags, or wattles across a diversion or roadside ditch. Check dams are used to slow the velocity of runoff, reduce erosion, and capture sediment.

#### Riprap

Riprap is a permanent, erosion-resistant layer of rock, it is intended to stabilize areas subject to erosion, such as fill slopes, and protect against scour of the soil caused by concentrated, high velocity flows.

#### Straw Bale Dikes

Straw bale dikes intercept and detain small amounts of sediment transported by sheet and rill type runoff. The dikes trap sediment by ponding water and allowing sediment to settle out. Straw bale dikes also slow runoff velocities acting to reduce sheet, rill and cully erosion. Straw bale dikes may also be used when installed to reduce erosion and sedimentations around the disturbance area perimeter. All straw bales will consist of certified weed-free materials. Given the presence of grazing cattle within Berry's lease areas, the use of straw bales is less favorable than the structural BMPs described above.

#### Wattles

A wattle (also called a fiber roll) consists of a tight tubular roll of straw, flax, or other similar materials. Wattles can be used along slopes, as check dams in ditches, or at outlets of sediment basins/traps to reduce erosion, reduce runoff velocity, and capture sediment.

#### Silt Fence

Silt fence is a temporary polypropylene sediment barrier placed on the slope contour to trap sediment by ponding water behind it and allowing sediment to settle out. Silt fence can effectively trap sheet and rill erosion within small drainage areas and on slopes with gradients up to 2:1. Silt fence is the most cost effective when used for sediment and erosion control around the perimeter of a disturbance area. Given the presence of cattle in much of Berry's leasehold and the need to frequent maintenance of silt fence, this BMP is also considered to be less favorable, relative to the structural BMPs listed above.