

**STATE OF
COLORADO**

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

BBC - LVST Engineered Drawings

7 messages

Mary Pobuda <mpobuda@billbarrettcorp.com>

Mon, Jul 1, 2013 at 7:52 AM

To: "doug.andrews@state.co.us" <doug.andrews@state.co.us>

Hi Doug,

Attached are the LVST drawings, I think this is what you're looking for. Let me know if you need anything else or have questions.

Thanks again for your help.

Mary Pobuda

Permit Analyst

Bill Barrett Corporation1099 18th Street Ste 2300

Denver CO 80202

303-312-8511 direct | 720-402-7539 cell

303-291-0420 fax

mpobuda@billbarrettcorp.com**Bill Barrett Corporation**

2 attachments**40K ENGINEERED DRAWINGS.PDF**

3514K

**Portable Frac Tank Certification Letter- CO.PDF**

115K

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

Thu, Aug 8, 2013 at 2:30 PM

To: Mary Pobuda <mpobuda@billbarrettcorp.com>

Mary,

Sorry for the delay on this 2A but I've been away for most of July. In talks here about the info you have provided concerning the LVSTs there is concern about the tanks being constructed on fill material or on ground that may not be suitable to support them. Our concern is that past failures with the LSVT could be linked to settling of the ground beneath them causing them to fail. Does Bill Barrett have any plans or procedures in place to address this possibility. For example, something along the lines of geotechnical investigation of the soils in the area where the LSVTs will be constructed?

[Quoted text hidden]

—

R. Douglas Andrews

Oil & Gas Location Assessment Specialist
Colorado Oil & Gas Conservation Commission
1120 Lincoln St., Suite 801
Denver, CO 80203

doug.andrews@state.co.us
303-894-2100 Ext. 5180

Mary Pobuda <mpobuda@billbarrettcorp.com>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>
Cc: Venessa Langmacher <vlangmacher@billbarrettcorp.com>

Thu, Aug 8, 2013 at 2:36 PM

Hi Doug,

It has been awhile, what pad is this again?

From: Andrews - DNR, Doug [<mailto:doug.andrews@state.co.us>]
Sent: Thursday, August 08, 2013 2:30 PM
To: Mary Pobuda
Subject: Re: BBC - LVST Engineered Drawings

Mary,

Sorry for the delay on this 2A but I've been away for most of July. In talks here about the info you have provided concerning the LVSTs there is concern about the tanks being constructed on fill material or on ground that may not be suitable to support them. Our concern is that past failures with the LSVT could be linked to settling of the ground beneath them causing them to fail. Does Bill Barrett have any plans or procedures in place to address this possibility. For example, something along the lines of geotechnical investigation of the soils in the area where the LSVTs will be constructed?

On Mon, Jul 1, 2013 at 7:52 AM, Mary Pobuda <mpobuda@billbarrettcorp.com> wrote:

Hi Doug,

Attached are the LVST drawings, I think this is what you're looking for. Let me know if you need anything else or have questions.

Thanks again for your help.

Mary Pobuda

Permit Analyst

Bill Barrett Corporation

1099 18th Street Ste 2300

Denver CO 80202

303-312-8511 direct | 720-402-7539 cell

303-291-0420 fax

mpobuda@billbarrettcorp.com

—

R. Douglas Andrews

Oil & Gas Location Assessment Specialist

Colorado Oil & Gas Conservation Commission

1120 Lincoln St., Suite 801

Denver, CO 80203

doug.andrews@state.co.us

303-894-2100 Ext. 5180

Andrews - DNR, Doug <doug.andrews@state.co.us>
To: Mary Pobuda <mpobuda@billbarrettcorp.com>

Thu, Aug 8, 2013 at 2:43 PM

Sorry Mary. It's the Rosenberg NE 6-61-30 location.

[Quoted text hidden]

Mary Pobuda <mpobuda@billbarrettcorp.com>
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Thu, Aug 8, 2013 at 3:27 PM

No problem I thought it might be Rosenberg. I'm going to have a baby any day now so my brain is a little foggy, my apologies.

We make our best efforts to put the LVST on the cut portion of location. During initial pad construction, compactors are utilized along with wetting of soil while compacting. This is standard BBC procedure when equipment is placed on fill. Also all fittings and flow lines are schedule 80 (2400 psi WP) along with all connections being welded. Tanks will be placed on a bed of sand with a 36 mil synthetic liner that is attached to 3' corrugated containment.

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

Sent: Thursday, August 08, 2013 2:43 PM

[Quoted text hidden]

[Quoted text hidden]

Mary Pobuda <mpobuda@billbarrettcorp.com>

Thu, Aug 8, 2013 at 3:35 PM

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

Cc: Heidi Reger <hreger@billbarrettcorp.com>

Forgot to finish....

We also bring it dirt and create a solid, flat, and level area for the tank to sit on before the vender starts work on the tank. Then the vender digs a small trench and lays down a geo pad before starting to assemble the tank.

From: Mary Pobuda

Sent: Thursday, August 08, 2013 3:27 PM

To: 'Andrews - DNR, Doug'

Subject: RE: BBC - LVST Engineered Drawings

No problem I thought it might be Rosenberg. I'm going to have a baby any day now so my brain is a little foggy, my apologies.

We make our best efforts to put the LVST on the cut portion of location. During initial pad construction, compactors are utilized along with wetting of soil while compacting. This is standard BBC procedure when equipment is placed on fill. Also all fittings and flow lines are schedule 80 (2400 psi WP) along with all connections being welded. Tanks will be placed on a bed of sand with a 36 mil synthetic liner that is attached to 3' corrugated containment.

From: Andrews - DNR, Doug [<mailto:doug.andrews@state.co.us>]

Sent: Thursday, August 08, 2013 2:43 PM

[Quoted text hidden]

[Quoted text hidden]

Andrews - DNR, Doug <doug.andrews@state.co.us>
To: Greg Deranleau - DNR <greg.deranleau@state.co.us>

Thu, Aug 8, 2013 at 3:38 PM

Thought you'd want to read this. Its Bill Barretts answer to our concern with constructing their LVSTs on unstable soils.

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

From: **Mary Pobuda** <mpobuda@billbarrettcorp.com>

Date: Thu, Aug 8, 2013 at 3:35 PM

Subject: RE: BBC - LVST Engineered Drawings

[Quoted text hidden]

[Quoted text hidden]