



STATE OF  
COLORADO

EnviroScan - DNR, OGCC <dnr\_ogcc.enviroscan@state.co.us>

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## Fwd: Chev O36B: COGCC FIELD INSPECTION REPORT [Doc#674701063] - Status update

1 message

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**Fischer - DNR, Alex** <alex.fischer@state.co.us>  
To: OGCC EnviroScan - DNR <dnr\_ogcc.enviroscan@state.co.us>  
Cc: Carlos Lujan - DNR <carlos.lujan@state.co.us>

Fri, Mar 20, 2015 at 11:22 AM

Please upload email and the attached with the following information:

Unique identifier (REM/Spill/NOAV #, etc.): REM 8051 and Location 335658  
Document number (leave blank if one needs to be assigned):  
Date received: 3/20/15  
Is data entry needed (Y/N): N  
Notes: NA

Thanks!

—

**Alex Fischer, P.G.**

**Environmental Supervisor, Western Colorado**



P 303.894.2100 x5138 | F 303.894.2109

1120 Lincoln Street, Suite 801, Denver, CO 80203

| [alex.fischer@state.co.us](mailto:alex.fischer@state.co.us) [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

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

From: **Ghani, Debbie** <DGhani@linnenergy.com>  
Date: Fri, Mar 20, 2015 at 8:56 AM  
Subject: Chev O36B: COGCC FIELD INSPECTION REPORT [Doc#674701063] - Status update  
To: "alex.fischer@state.co.us" <alex.fischer@state.co.us>  
Cc: "Johnson, Derek" <DSjohnson@linnenergy.com>, "Hogelin, Thomas" <THogelin@linnenergy.com>, "Burns, Bryan" <BBurns@linnenergy.com>, "Lujan - DNR, Carlos" <carlos.lujan@state.co.us>

Alex: in response to your questions below, land farming and regular sampling will continue on the

referenced location until TPH levels achieve compliance. Attached please find an overview of the lab results since 2010 and an interim site stabilization plan, which shows more aggressive application of a nitrogen additive was established after the 11-1-14 sample showed a higher TPH level than the May 2014 sample. Although the pad is small, limiting soil surface area exposed to the sun, aggressive treatment will continue in 2015 to achieve 910-1 standards and allow for interim reclamation in 2016.

The 1.6 cubic yards of material from separators on adjacent pads that you reference was hauled to disposal in 2013 and all remaining land farm material is native to the O36B.

I will submit a Form 4 Sundry to document our status to date and include lab reports for the past three years.

Please let me know if you have any questions.



NASDAQ:LINE  
NASDAQ:LNCO

**Debbie Ghani**

*Regulatory Compliance Supervisor*

LINN Operating, Inc.

1999 Broadway, Suite 3700

Denver, CO 80202

T: 303.999.4016

F: 303.999.4116

C: 303.947.2726

[www.linnenergy.com](http://www.linnenergy.com)

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**From:** Burns, Bryan

**Sent:** Monday, March 16, 2015 10:26 AM

**To:** Fischer - DNR, Alex; Carlos Lujan - DNR; Ghani, Debbie

**Cc:** Johnson, Derek; Hogelin, Thomas

**Subject:** Chev O36B: COGCC FIELD INSPECTION REPORT [Doc#674701063]

Alex,

We will get you a formal update within the next few days. Multiple rounds of soil sampling have been conducted, would you like us to pass along those lab analyses?

No additional material from other well pads has been brought to or landfarmed on this location.

Thank you!

Bryan

**From:** Fischer - DNR, Alex [<mailto:alex.fischer@state.co.us>]  
**Sent:** Monday, March 16, 2015 10:14 AM  
**To:** Carlos Lujan - DNR; Ghani, Debbie; Burns, Bryan  
**Subject:** Fwd: COGCC FIELD INSPECTION REPORT [Doc#674701063]

Debbie and Bryan-

I was reviewing this INSPECTION and then the Site Investigation and Remediation Work Plan (REM 8051) regarding the landfarm and have some questions and concerns.

The Work Plan states:

Remediation Start Date: 9/30/3010

Anticipated Completion Date: 10/31/2013

Submit Date signed by Bryan Burns: 6/27/13

Approved by COGCC C. Lujan: 10/31/2013

The Work Plan stated that *samples will be collected periodically for Table 910-1 to evaluate the progress of remediation and to determine when treatment has been completed.* Has any sampling been completed?

Are materials being brought on to this location from other Locations besides the 1.6 cubic yards form separators from the Berry L-04, M-04, and D-20 pads?

There is a Sundry (Document Number 400465196) Submitted on 8/15/2013 providing a NOTICE OF INTENT and Approximate Start Date of 2/24/2012 for the following:

*Drill cuttings on Chevron O36B location contain total petroleum hydrocarbons (TPH), Conductivity, SAR, pH, and Arsenic*

*concentrations above COGCC Table 910-1 standards. Berry is land-treating cuttings on location to reduce TPH, Conductivity, SAR,*

*pH, and Arsenic concentrations below the 910-1 standards. Upon successful remediation indicated by soil sampling lab analyses,*

*cuttings will be buried on location as a precursor to final reclamation.*

The Sundry was then approved by COGCC on 10/2/2013.

Please provide a current status of this Facility including but not limited to the frequency of working the materials, addition of nutrients or additives, periodic sample collection, berm maintenance, etc. Based on the time line, this land farm should now be permitted per Rule 908 as a Centralized Exploration & Production Facility which would include appropriate financial assurance.

Thanks

Alex

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

From: **COGCC Field Inspection Report** <[dnr\\_eforms.helpdesk@state.co.us](mailto:dnr_eforms.helpdesk@state.co.us)>

Date: Sun, Mar 15, 2015 at 8:29 PM

Subject: COGCC FIELD INSPECTION REPORT [Doc#674701063]

To: [alex.fischer@state.co.us](mailto:alex.fischer@state.co.us), [stan.spencer@state.co.us](mailto:stan.spencer@state.co.us), [dghani@lennenergy.com](mailto:dghani@lennenergy.com), [carlos.lujan@state.co.us](mailto:carlos.lujan@state.co.us), [bwhite@lennenergy.com](mailto:bwhite@lennenergy.com), [bburns@lennenergy.com](mailto:bburns@lennenergy.com), [dsjohnson@lennenergy.com](mailto:dsjohnson@lennenergy.com)

Cc: [mike.longworth@state.co.us](mailto:mike.longworth@state.co.us)

DEPARTMENT OF NATURAL RESOURCES

## John W. Hickenlooper, Governor

<image001.jpg>

1120 Lincoln St. Suite 801

Denver, CO 80203

Phone: (303) 894-2100

FAX: (303) 894-2109

[www.cogcc.state.co.us](http://www.cogcc.state.co.us)

## **COGCC Field Inspection Report**

ATTACHED REPORT HAS BEEN SUBMITTED TO COGCC DATABASE BASED ON FIELD INSPECTION RESULTS.

**PLEASE REVIEW ENTIRE REPORT. COMMENTS, ACTION REQUIRED AND ALLEGED VIOLATIONS ITEMS ARE HIGHLIGHTED IN RED.**

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**Alex Fischer, P.G.**

**Environmental Supervisor, Western Colorado**

<image002.jpg>

P 303.894.2100 x5138 | F 303.894.2109

1120 Lincoln Street, Suite 801, Denver, CO 80203

| [alex.fischer@state.co.us](mailto:alex.fischer@state.co.us) [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

<O36B\_spreadsheet with lab results.pdf>

<O36B 596 Landfarming and Interim Site Stabilization Plan.pdf>

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**Alex Fischer, P.G.**

**Environmental Supervisor, Western Colorado**



P 303.894.2100 x5138 | F 303.894.2109

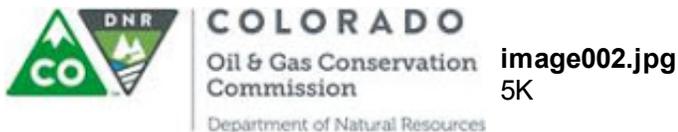
1120 Lincoln Street, Suite 801, Denver, CO 80203

| [alex.fischer@state.co.us](mailto:alex.fischer@state.co.us) [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

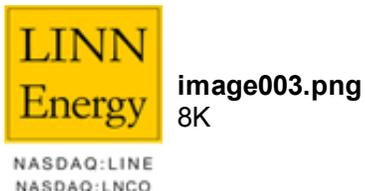
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**5 attachments**

**image001.jpg**  
1K



**image002.jpg**  
5K



**image003.png**  
8K

 **O36B\_spreadsheet with lab results.pdf**  
78K

 **O36B 596 Landfarming and Interim Site Stabilization Plan.pdf**  
27K