

**FORM  
INSP**Rev  
X/15**State of Colorado  
Oil and Gas Conservation Commission**1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109

Inspection Date:

03/13/2017

Submitted Date:

03/23/2017

Document Number:

671000531**FIELD INSPECTION FORM**
 Loc ID 335126 Inspector Name: LUJAN, CARLOS On-Site Inspection ☐ 2A Doc Num:                     
**Operator Information:**OGCC Operator Number: 10531Name of Operator: VANGUARD OPERATING LLCAddress: 5847 SAN FELIPE #3000City: HOUSTON State: TX Zip: 77057**Status Summary:**☐ THIS IS A FOLLOW UP INSPECTION☒ FOLLOW UP INSPECTION REQUIRED☐ NO FOLLOW UP INSPECTION REQUIRED**Findings:**6 Number of Comments1 Number of Corrective Actions☒ Corrective Action Response Requested**Contact Information:**

Contact Name	Phone	Email	Comment
Spencer, Stan		stan.spencer@state.co.us	EPS, NW Region
Lujan, Carlos		carlos.lujan@state.co.us	EPS, NW Region
Ghan, Scott		sghan@vnrlc.com	Sr. EH&S
Fischer, Alex		alex.fischer@state.co.us	Environmental Supervisor, NW

**General Comment:**

Environmental Inspection conducted on 03/13/2017 in response to a spill reported four days earlier (see Spill/release Point ID #449635). The day was warm and sunny and practically all snow had already melted. On site with Scott Ghan, Vanguard Environmental Manager. An unknown volume of produced water was spilled from a weld, near a load out valve, on a produced water tank located inside a lined secondary containment. According to Vanguard personnel there was snow melting within and outside of the secondary containment, making it difficult to determine if the liner was compromised. Vanguard suspects of two locations on the perimeter of the secondary containment where produced water may have spilled outside of the containment and flowed toward the west side of the pad. Water was removed with a Vac truck.

During our inspection, no water was observed. No hydrocarbon odor either. Environmental contractor LTE was on site taking soil samples as directed by the operator. COGCC and Vanguard discussed the path forward for investigation and remediation. Vanguard plan was to bring a crane and lift the tank that leaked to inspect and repair or replace. Meanwhile gravel from within the containment will be removed to inspect the liner and determine if it was compromised. Samples will be sent to the lab to determine the extent of the impact. Remediation efforts will be presented to the COGCC via supplemental e-form 19 (or Form 27, as appropriate) when the site investigation is completed.

**Location**Overall Good: ☒

Emergency Contact Number:

Comment:

Corrective Action:

Date: \_\_\_\_\_

Overall Good: ☒**Spills:**

Type	Area	Volume			

In Containment: No

Comment:

☐ Multiple Spills and Releases?**Venting:**

Yes/No			
Comment:			
Corrective Action:		Date:	

**Flaring:**

Type		
Comment:		
Corrective Action:		Date:

**Environmental****Spills/Releases:**

Type of Spill: PRODUCED WATER

Estimated Spill Volume: \_\_\_\_\_

Comment: Vanguard planned to remove the tank, remove the gravel within the secondary containment, inspect the liner, sample soil outside the containment to determine the extent of the spill and remediate according to the findings.

Corrective Action: Present via supplemental e-form 19 the results of the site investigation (extent of the impact, lab results and conditions of the liner). Depending on the extent of the impact and difficulties to remediate, either submit the results of the cleanup via supplemental e-form 19 or submit a Remediation Work Plan Form 27.

Date: 04/21/2017

Reportable: YES

GPS: Lat \_\_\_\_\_

Long \_\_\_\_\_

Proximity to Surface Water: \_\_\_\_\_

Depth to Ground Water: \_\_\_\_\_

**Water Well Complaint:**

Lat \_\_\_\_\_ Long \_\_\_\_\_

DWR Receipt Num: \_\_\_\_\_

Owner Name: \_\_\_\_\_

GPS : \_\_\_\_\_

**Field Parameters:**

Sample Location: \_\_\_\_\_

Comment: \_\_\_\_\_

**Attached Documents**You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
401241641	INSPECTION SUBMITTED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4106810">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4106810</a>
671000532	Spill - Near Load out Valve	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4106806">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4106806</a>
671000533	Probable Spill Outside Containment #1	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4106807">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4106807</a>
671000534	Probable Spill Outside Containment #2	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4106808">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4106808</a>
671000535	Tank Battery (625 bbl tanks)	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4106809">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4106809</a>