

**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:

10/31/2017

Submitted Date:

11/02/2017

Document Number:

690100191

FIELD INSPECTION FORM

Loc ID 302455 Inspector Name: Maclaren, Joe On-Site Inspection 2A Doc Num: _____

Status Summary:

- THIS IS A FOLLOW UP INSPECTION
- FOLLOW UP INSPECTION REQUIRED
- NO FOLLOW UP INSPECTION REQUIRED

Operator Information:

OGCC Operator Number: 10604
Name of Operator: COMPLETE ENERGY SERVICES INC
Address: 4727 GAILLARDIA PKWY STE 250
City: OKLAHOMA CITY State: OK Zip: 73142

Findings:

- 3 Number of Comments
- 0 Number of Corrective Actions
- Corrective Action Response Requested

Contact Information:

Contact Name	Phone	Email	Comment
Hazard, Ellice		ellice.hazard@state.co.us	
Koehler, Bob		bob.koehler@state.co.us	
Gintautas, Peter		peter.gintautas@state.co.us	
Schlagenhauf, Mark		mark.schlagenhauf@state.co.us	
Henderson, Jason		Jason.Henderson@Complete Energy.com	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
159270	UIC DISPOSAL	AC	04/27/2009		-	HPD PLATTEVILLE 1	EG

General Comment:

Engineering Integrity Inspection performed on October 31st, 2017 in response to initial form 19 spill report Doc #401443220 received by COGCC on 10/27/2017 that outlines: The spill occurred from a ruptured pipe inside containment at the facility. We estimate 865 BBLs of fluid was spilled. 800 BBLs stayed inside containment and was recovered and 65 BBLs splashed outside of containment and 5 BBLs were recovered. The spill was stopped by isolation valves. Details of observations made during this field inspection are available in the flowline section of this report. Photos uploaded can be accessed at end of report.

Inspected Facilities			
Facility ID: <u>159270</u>	Type: <u>UIC</u>	API Number: <u>-</u>	Status: <u>AC</u> Insp. Status: <u>EG</u>
Flowline			
#1	Type: <u>Process Piping</u>	of Lines	
<u>Flowline Description</u>			
Flowline Type: <u>Process Piping</u>	Size: <u>6"</u>	Material: <u>Poly</u>	
Variance:	Age:	Contents: <u>Produced Water</u>	
<u>Integrity Summary</u>			
Failures: <u>Other</u>	Spills: <u>Yes</u>	Repairs Made: <u>Yes</u>	
Coatings:	H2S:	Cathodic Protection:	
<u>Pressure Testing</u>			
Witnessed:	Test Result:	Charted:	
<u>COGCC Rules(check all that apply)</u>			
<input type="checkbox"/> 1101. Installation and Reclamation <input checked="" type="checkbox"/> 1102. Operations, Maintenance, and Repair <input type="checkbox"/> 1103. Abandonment			
<u>Comment:</u>	COGCC Inspector met with field supervisor Travis Selmer on location. The pipe failure occurred at the tank battery. A check valve failed between the injection pump and wellhead that released excessive pressure to the low pressure (suction) side of the facility. The over pressured condition resulted in the rupture of a 6" schedule 80 PVC pipe in an area close to the north containment wall of the facility. The pipe has been repaired and the check valve is scheduled to be replaced. Soils sampling and remediation efforts are currently in progress.		
<u>Corrective Action:</u>			<u>Date:</u>

COGCC Comments		
Comment	User	Date
<p>Additional information was received by COGCC staff via email on 11/1/2017 from Complete Energy Director of Water & Disposal Jason E. Henderson and includes the following:</p> <p>We completed the root cause this morning so I will be submit the supplemental Form 19 in the next day. I will clarify the equipment as you requested below. This pipe failure occurred at the tank battery. The tanks are interconnected by schedule 80 pipe and flow by gravity out to the suction side of our downhole pump. The pipe failed just before it exits the secondary containment. After conducting the Root Cause Analysis, it was determined that we had a check valve fail at the pump and when the pump shut down a release pressure went through the suction side of pump sending pressure through the low pressure line.</p> <p>We will now implement a check valve replacement program to change out check valves after 1 year of service as a preventive measure to keep this from occurring again. We are also adding an additional support leg under the portion of pipe that failed as the pipe is suspended. The fluid weight per foot of pipe will be reduce by adding another leg.</p> <p>I will put this information in the supplemental form 19, but wanted to update you up on this incident. We have cleaned everything up and LTE has samples into the lab for verification of clean soil. LTE will be submitting a Form 27 on our behalf with this information.</p>	maclarej	11/02/2017

Attached Documents

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

Document Num	Description	URL
690100202	Signage at facility entrance	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4292320

690100203	Area of pipe failure/ repair completed	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4292321
690100204	View of north containment wall/ area of release	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4292322
690100205	Overview of facility looking North	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4292323