

**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:

01/03/2018

Submitted Date:

01/04/2018

Document Number:

682600430

FIELD INSPECTION FORM

Loc ID _____ Inspector Name: Kosola, Jason 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: 10084
Name of Operator: PIONEER NATURAL RESOURCES USA INC
Address: 5205 N O'CONNOR BLVD STE 200
City: IRVING State: TX Zip: 75039

Findings:

- 9 Number of Comments
- 1 Number of Corrective Actions
- Corrective Action Response Requested

Contact Information:

Contact Name	Phone	Email	Comment
Axelson, John		john.axelson@state.co.us	
Distribution, Pioneer	972-444-9001	COGCC.Inspections@pxd.com	All Inspections
Morey, Monique		monique.morey@state.co.us	Senior Field Engineer WQCD, Field Services Section
Thiebaud, Michelle		michelle.thiebaud@state.co.us	WQCD Field Services
Deranleau, Greg		greg.deranleau@state.co.us	

Inspected Facilities:

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
453631	SPILL OR RELEASE	AC	01/04/2018		-	Wet Canyon	AC

General Comment:

This is an environmental inspection in response to a spill of approximately 500 barrels of coal bed methane produced water and 120 gallons of lube oil at the WESTON #24-23 A WD disposal well that was discovered on 1/2/2018. The operator reported "tanks at the disposal well overflowed thus overflowing the overflow pit. The spill did enter live water just below the site in an un-named tributary of Wet Canyon, continuing into Wet Canyon running toward the Purgatorie river".

Inspected Facilities

Facility ID: 453631 Type: SPILL OR API Number: - Status: AC Insp. Status: AC

Environmental

Spills/Releases:

Type of Spill: PRODUCED WATER

Estimated Spill Volume: 500

Comment: ALLEGED VIOLATION - Operator spilled of 500 bbl produced water and 120 gallons of lube oil into Waters of the State.

Corrective Action: Control and contain spills/releases and clean up per Rule 906.a. Properly treat or dispose of oily waste in accordance with Rule 907.e. Operator shall submit Form 19 spill reports as required per rule. Operator shall submit Form 27 Remediation outlining long term sampling/monitoring and remediation plan. CA date is for Form 27 submittal.

Date: 01/19/2018

Reportable: YES

GPS: Lat 37.150800

Long -104.859450

Proximity to Surface Water: 800

Depth to Ground Water:

Water Well Complaint:

DWR Receipt Num: _____ Owner Name: _____ GPS : _____ Lat _____ Long _____

Field Parameters:

Sample Location: Other

Comment: Wet Canyon and Purgatorie River

Sample Sample Type: SURFACE WATER

Time: 01/03/2017 08:40 (MM/dd/yyyy hh:mm) GPS: Lat 37.131893 Long -104.847150

BTEX: YES TPH: YES Anion: _____ Captions: _____ General Chemistry: _____

Dissolved Methane: _____ Composition: _____ Stable Isotopes: _____ 8260: YES

8270: _____ RCRA Metals: _____ 910-Metals: _____ PAH: _____

Other: _____

Comment: Surface water sample obtained from clearing in ice with visible oil sheen. Three 40ml voa filled.

Sample Sample Type: SURFACE WATER

Time: 01/03/2017 09:00 (MM/dd/yyyy hh:mm) GPS: Lat 37.146454 Long -104.860342

BTEX: YES TPH: YES Anion: _____ Captions: _____ General Chemistry: _____

Dissolved Methane: _____ Composition: _____ Stable Isotopes: _____ 8260: YES

8270: _____ RCRA Metals: _____ 910-Metals: _____ PAH: _____

Other: _____

Comment: Surface water sample obtained from clearing in ice with visible oil sheen. Three 40ml voa filled.

Sample Sample Type: SURFACE WATER

Time: 01/03/2017 08:25 (MM/dd/yyyy hh:mm) GPS: Lat 37.132340 Long -104.847190

BTEX: YES TPH: YES Anion: NO Captions: NO General Chemistry: NO

Dissolved Methane: NO Composition: NO Stable Isotopes: NO 8260: YES

8270: NO RCRA Metals: NO 910-Metals: NO PAH: NO

Other: _____

Comment: Surface water sample obtained from clearing in ice with visible oil sheen. Three 40ml voa filled.

Lab:

Lab Name

ESC Laboratories

COGCC Comments

Comment	User	Date
<p>Remediation of this spill will occur under an approved Form 27 Remediation to be submitted by 1/19/2018.</p> <p>Inspection from 8:30-11am on 1/3/2018 confirmed operator report that spill flowed from an emergency pit on the WESTON #24-23 A WD disposal well, down a dry drainage flowing southwest continuing into flowing water in Wet Canyon and continued toward the Purgatorie River.</p> <p>Oil sheen was observed at the base of Wet Canyon. Surface water samples were obtained from Wet Canyon approximately 150 feet north of the Purgatorie River and another sample was obtained from an oil sheen on the Purgatorie River just below where Wet Canyon flows into the river. Another surface water sample was obtained from Wet Canyon near the source of the spill. Samples will be analyzed for TPH-GRO, TPH-DRO and BTEX. Inspection of the Purgatorie River from Wet Canyon downstream to the Primero Elementary School did not find any observable oil sheen on the Purgatorie River (see attached photos).</p> <p>Operator has stopped spill at the source and deployed containment booms throughout the impacted dry drainage and Wet Canyon. Spill response crew was on site at the time of inspection and was in the process of removing oily material from impacted areas and obtaining water samples from the impacted areas. A vacuum trailer was actively removing impacted water just north of the bridge at the base of Wet Canyon (see attached photos).</p> <p>Operator was instructed to create a compliance sampling point on the Purgatorie River below Wet Canyon and conduct sampling on a weekly basis at this point to define any impacts to the Purgatorie River. Samples should be analyzed, at a minimum, for TPH-DRO, TPH-GRO, 8260 VOCs and 8270 SVOCs. Additional analytes may be required to comply with CDPHE surface water quality standards.</p>	kosolaj	01/04/2018

Attached Documents

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

Document Num	Description	URL
682600431	Inspection photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=4340678